

IENCES® G-Biosciences, St Louis, MO, USA | 1-800-628-7730 | 1-314-991-6034 | technical@GBiosciences.com

A Geno Technology, Inc. (USA) brand name

Safety Data Sheet

Cat. # BAQ072

Nitrite/ Nitrate Determination Assay

Size: 100 tests (96 well format)





Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

SECTION 1: Identification of the su	ubstance/mixture and of the company/undertaking
1.1. Product identifier	
Product form	: Mixture
Product name	: NND Standard
Product code	: 505N
Product group	: Trade product
1.2. Relevant identified uses of the sul	bstance or mixture and uses advised against
1.2.1. Relevant identified uses	
No additional information available	
1.2.2. Uses advised against	
No additional information available	
1.3. Details of the supplier of the safet Geno Technology, Inc./ G-Biosciences	y data sheet
9800 Page Avenue	
63132-1429 Saint Louis - United States	
T 800-628-7730 - F 314-991-1504	
technical@GBiosciences.com - www.GBioscie	<u>nices.com</u>
1.4. Emergency telephone number Emergency number	: Chemtrec 1-800-424-9300 (USA/Canada), +1-703-527-3887 (Intl)
Emergency number	. Chemiles 1-000-424-3000 (007/Canada), 11-703-327-3007 (init)
SECTION 2: Hazards identification 2.1. Classification of the substance or	
2.1. Classification of the substance of	mixture
Classification according to Regulation (EC) No. 1272/2008 [CLP]
Not classified	
Adverse physicochemical, human health a	nd environmental effects
	ent any particular risk, provided it is handled in accordance with good occupational hygiene and safety
practice.	
2.2. Label elements	
Labelling according to Regulation (EC) No.	1272/2008 [CLP]
No labelling applicable	
2.3. Other hazards	
No additional information available	
SECTION 3: Composition/informat	ion on ingredients
3.1. Substances	
Not applicable	
3.2. Mixtures	
This mixture does not contain any substances	to be mentioned according to the criteria of section 3.2 of REACH annex II
,	5
SECTION 4: First aid measures	
4.1. Description of first aid measures	
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing.
First-aid measures after skin contact	: Wash skin with plenty of water.
First-aid measures after eye contact	: Rinse eyes with water as a precaution.
First-aid measures after ingestion	: Call a poison center or a doctor if you feel unwell.
4.2. Most important symptoms and eff	
No additional information available	ects, both acute and delayed
	ects, both acute and delayed
	cal attention and special treatment needed
4.3. Indication of any immediate media Treat symptomatically.	
Treat symptomatically.	cal attention and special treatment needed
Treat symptomatically. SECTION 5: Firefighting measures	cal attention and special treatment needed
Treat symptomatically.	cal attention and special treatment needed

5.2. Special hazards arising from the substance or mixture Hazardous decomposition products in case of fire : Toxic fumes may be released.

5.3. Advice for firefighters	
Protection during firefighting	: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.
SECTION 6: Accidental release mo	easures
	equipment and emergency procedures
6.1.1. For non-emergency personnel Emergency procedures	: Ventilate spillage area.
6.1.2. For emergency responders Protective equipment	: Do not attempt to take action without suitable protective equipment. For further informatio refer to section 8: "Exposure controls/personal protection".
6.2. Environmental precautions Avoid release to the environment.	
6.3. Methods and material for contain	ment and cleaning up
Methods for cleaning up	: Take up liquid spill into absorbent material.
Other information	: Dispose of materials or solid residues at an authorized site.
6.4. Reference to other sections	
For further information refer to section 13.	
SECTION 7: Handling and storage	
7.1. Precautions for safe handling	
Precautions for safe handling	: Ensure good ventilation of the work station. Wear personal protective equipment.
Hygiene measures	: Do not eat, drink or smoke when using this product. Always wash hands after handling th product.
7.2. Conditions for safe storage, inclu Storage conditions	ding any incompatibilities : Store in a well-ventilated place. Keep cool.
7.3. Specific end use(s)	
No additional information available	
SECTION 8: Exposure controls/pe	rsonal protection
8.1. Control parameters	
No additional information available	
8.2. Exposure controls	
Appropriate engineering controls:	
Appropriate engineering controls: Ensure good ventilation of the work station.	
Appropriate engineering controls: Ensure good ventilation of the work station. Hand protection:	
Appropriate engineering controls: Ensure good ventilation of the work station. Hand protection: Protective gloves	
Appropriate engineering controls: Ensure good ventilation of the work station. Hand protection: Protective gloves Eye protection:	
Appropriate engineering controls: Ensure good ventilation of the work station. Hand protection: Protective gloves Eye protection: Safety glasses	
Appropriate engineering controls: Ensure good ventilation of the work station. Hand protection: Protective gloves Eye protection: Safety glasses Skin and body protection:	
Appropriate engineering controls: Ensure good ventilation of the work station. Hand protection: Protective gloves Eye protection: Safety glasses Skin and body protection: Wear suitable protective clothing	
Appropriate engineering controls: Ensure good ventilation of the work station. Hand protection: Protective gloves Eye protection: Safety glasses Skin and body protection:	ble respiratory equipment
Appropriate engineering controls: Ensure good ventilation of the work station. Hand protection: Protective gloves Eye protection: Safety glasses Skin and body protection: Wear suitable protective clothing Respiratory protection: In case of insufficient ventilation, wear suitable	le respiratory equipment
Appropriate engineering controls: Ensure good ventilation of the work station. Hand protection: Protective gloves Eye protection: Safety glasses Skin and body protection: Wear suitable protective clothing Respiratory protection:	ole respiratory equipment

9.1. Information on basic physical and chemical properties			
Physical state	: Liquid		
Colour	: No data available		
Odour	: No data available		
Odour threshold	: No data available		
рН	: No data available		
Relative evaporation rate (butylacetate=1)	: No data available		
Melting point	: Not applicable		
Freezing point	: No data available		
Boiling point	: No data available		

Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Flash point	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available
9.2 Other information	

9.2. Other information No additional information available

SECTION 10: Stability and reactivity
10.1. Reactivity
The product is non-reactive under normal conditions of use, storage and transport.
10.2. Chemical stability
Stable under normal conditions.
10.3. Possibility of hazardous reactions
No dangerous reactions known under normal conditions of use.
10.4. Conditions to avoid
None under recommended storage and handling conditions (see section 7).
10.5. Incompatible materials
No additional information available
10.6. Hazardous decomposition products
Hazardous decomposition products.

SECTION 11: Toxicological informa	ion	
11.1. Information on toxicological effec	S	
Acute toxicity (oral)	: Not classified	
Acute toxicity (dermal)	: Not classified	
Acute toxicity (inhalation)	: Not classified	
Skin corrosion/irritation	: Not classified	
Serious eye damage/irritation	: Not classified	
Respiratory or skin sensitisation	: Not classified	
Germ cell mutagenicity	: Not classified	
Carcinogenicity	: Not classified	
Reproductive toxicity	: Not classified	
STOT-single exposure	: Not classified	
STOT-repeated exposure	: Not classified	
Aspiration hazard	: Not classified	
SECTION 12: Ecological informatio		

SECTION 12. ECOlogical information	
12.1. Toxicity	
Ecology - general	: The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.
Acute aquatic toxicity	: Not classified
Chronic aquatic toxicity	: Not classified
12.2. Persistence and degradability No additional information available 12.3. Bioaccumulative potential No additional information available 12.4. Machility in available	
12.4. Mobility in soil	
No additional information available	
12.5. Results of PBT and vPvB assessment	
No additional information available	

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12.6. Other adverse effects No additional information available

SECTION 13: Disposal considerations	
13.1. Waste treatment methods	
Waste treatment methods	: Waste treatment methods.
SECTION 14: Transport information	
In accordance with ADR / RID / IMDG / IATA / ADN	
14.1. UN number	
UN-No. (ADR)	: Not applicable
UN-No. (IMDG)	: Not applicable
UN-No. (IATA)	: Not applicable
UN-No. (ADN)	: Not applicable
UN-No. (RID)	: Not applicable
14.2. UN proper shipping name Proper Shipping Name (ADR)	· Net applicable
Proper Shipping Name (IMDG)	: Not applicable : Not applicable
Proper Shipping Name (IATA)	: Not applicable
Proper Shipping Name (ADN)	: Not applicable
Proper Shipping Name (RID)	: Not applicable
14.3. Transport hazard class(es)	
ADR	
Transport hazard class(es) (ADR)	: Not applicable
	. Not applicable
	Mad and Read I.
Transport hazard class(es) (IMDG)	: Not applicable
ΙΑΤΑ	
Transport hazard class(es) (IATA)	: Not applicable
ADN	
Transport hazard class(es) (ADN)	: Not applicable
RID	
Transport hazard class(es) (RID)	: Not applicable
14.4. Packing group	
Packing group (ADR)	: Not applicable
Packing group (IMDG)	: Not applicable
Packing group (IATA)	: Not applicable
Packing group (ADN)	: Not applicable
Packing group (RID)	: Not applicable
14.5. Environmental hazards	- No
Dangerous for the environment	: No
Marine pollutant Other information	: No : No supplementary information available
14.6. Special precautions for user	
Overland transport	
Not applicable	
Transport by sea	
Not applicable	
Air transport	
Not applicable	
Inland waterway transport	
Not applicable	
Rail transport	
Not applicable	
14.7. Transport in bulk according to Annex I	I of Marpol and the IBC Code

Not applicable

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

Contains no substance subject to REGULATION (EU) No 649/2012 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 4 July 2012 concerning the export and import of hazardous chemicals.

Substance(s) are not subject to Regulation (EC) No 850/2004 of the European Parliament and of the Council of 29 April 2004 on persistent organic pollutants and amending Directive 79/117/EEC.

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Safety Data Sheet applicable for regions

: GB - United Kingdom

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.



NND Reagent A

Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Product form	ntifier	_		
Substance name				
ubstance name : NND Reagent A				
EC-No.				
CAS-No.		: 2646-71-1		
Product code		: 507N		
Type of product		: Pure substance		
Formula		: C21H30N7O17P3.4Na		
Synonyms		: adenosine 5'-(trihydrogen diphosphate), 2'-(dihydrogen phosphate), 5'->5'-ester with 1,4- dihydro-1-beta-D-ribofuranosyl-3-pyridinecarboxamide, tetrasodium salt / beta-nicotinamid adenine dinucleotide phosphate, tetrasodium salt / dihydronicotinamide adenine dinucleotide phosphate, tetrasodium salt / NADPH (=nicotinamide adenine dinucleotide phosphate), tetrasodium salt		
Product group		: Trade product		
BIG No		: 44749		
.2. Relevant ide	entified uses of the substan	ce or mixture and uses	advised against	
I.2.1. Relevant ide				
Jse of the substand	ce/mixture	: Medicine		
I.2.2. Uses advise	•			
	e supplier of the safety dat	a sheet		
9800 Page Avenue 63132-1429 Saint L F 800-628-7730 - F	ouis - United States 314-991-1504			
echnical@GBiosci	ences.com - www.GBiosciences.	<u>com</u>		
I.4. Emergency Emergency number	telephone number	Chemtrec 1-800-424-9300 (USA/Canada), +1-703-527-3887	(Intl)
Country	Organisation/Company	Address	Emergency number	Comment
United Kingdom	National Poisons Information Service (Belfast Centre) Royal Victoria Hospital	Grosvenor Road BT12 6BA Belfast	0344 892 0111	
United Kingdom	National Poisons Information Service (Birmingham Centre) City Hospital	Dudley Road B18 7QH Birmingham	0344 892 0111	
United Kingdom	National Poisons Information Service (Cardiff Centre) Gwenwyn Ward, Llandough Hospital	Penarth CF64 2XX Cardiff	0344 892 0111	
United Kingdom	National Poisons Information Service Edinburgh Royal Infirmary of Edinburgh	Little France Crescent EH16 4SA Edinburgh	0344 892 0111	
United Kingdom	Guy's & St Thomas' Poisons Unit Medical Toxicology Unit, Guy's & St Thomas' Hospital Trust	Avonley Road SE14 5ER London	+44 20 7188 7188	

Classification according to Regulation (EC) No. 1272/2008 [CLP] Serious eye damage/eye irritation, Category 2

Full text of H statements : see section 16

H319

NND Reagent A Safety Data Sheet

1007/2006 (DEACLI) with it dment Regulation (FU) 2015/830

according to Regulation (EC) No. 1907/2006 (RE/	ACH) with its amendment Regulation (EU) 2015/830
Adverse physicochemical, human health	ı and environmental effects
Causes serious eye irritation.	
2.2. Label elements	
Labelling according to Regulation (EC) N	lo. 1272/2008 [CLP]
Hazard pictograms (CLP)	GHS07
CLP Signal word	: Warning
Hazard statements (CLP)	: H319 - Causes serious eye irritation.
Precautionary statements (CLP)	 P264 - Wash hands thoroughly after handling. P280 - Wear eye protection, face protection. P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337+P313 - If eye irritation persists: Get medical advice/attention.
2.3. Other hazards	

ittner na aru No additional information available

SECTION 3: Composition/infor 3.1. Substances	mation on ingredients		
Substance type	: Mono-constituent		
Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
NND Reagent A	(CAS-No.) 2646-71-1 (EC-No.) 220-163-3	100	Eye Irrit. 2, H319

Full text of H-statements: see section 16

3.2. Mixtures Not applicable

SECTION 4: First aid measures	
4.1. Description of first aid measures	
First-aid measures general	: Check the vital functions. Unconscious: maintain adequate airway and respiration. Respiratory arrest: artificial respiration or oxygen. Cardiac arrest: perform resuscitation. Victim conscious with laboured breathing: half-seated. Victim in shock: on his back with legs slightly raised. Vomiting: prevent asphyxia/aspiration pneumonia. Prevent cooling by covering the victim (no warming up). Keep watching the victim. Give psychological aid. Keep the victim calm, avoid physical strain. Depending on the victim's condition: doctor/hospital.
First-aid measures after inhalation	: Remove the victim into fresh air. Respiratory problems: consult a doctor/medical service.
First-aid measures after skin contact	: Wash immediately with lots of water. Soap may be used. Take victim to a doctor if irritation persists.
First-aid measures after eye contact	: Rinse immediately with plenty of water. Remove contact lenses, if present and easy to do. Continue rinsing. Take victim to an ophthalmologist if irritation persists.
First-aid measures after ingestion	: Rinse mouth with water. Call Poison Information Centre (www.big.be/antigif.htm). Consult a doctor/medical service if you feel unwell. Ingestion of large quantities: immediately to hospital.
4.2. Most important symptoms and effects,	both acute and delayed
Symptoms/effects after skin contact	: ON CONTINUOUS EXPOSURE/CONTACT: Tingling/irritation of the skin.
Symptoms/effects after eye contact	: Irritation of the eye tissue.
Symptoms/effects after ingestion	: AFTER INGESTION OF HIGH QUANTITIES: Irritation of the gastric/intestinal mucosa.
4.3. Indication of any immediate medical at Treat symptomatically.	tention and special treatment needed
SECTION 5. Eirofighting massures	
SECTION 5: Firefighting measures	
5.1. Extinguishing media Suitable extinguishing media	: Quick-acting ABC powder extinguisher. Class A foam extinguisher. Water (quick-acting
Culture extinguishing mode	. Quick-deling Abo powder chingdisher. Water (quick-deling

	extinguisher, reel). Water. Class A foam.
Unsuitable extinguishing media	: Quick-acting BC powder extinguisher. Quick-acting CO2 extinguisher.
5.2. Special hazards arising from the substant	nce or mixture

5.2. 8 Hazardous decomposition products in case of fire

: On burning: release of toxic and corrosive gases/vapours (phosphorus oxides, nitrous vapours, carbon monoxide - carbon dioxide).

5.3. Advice for firefighters Precautionary measures fire	: Exposure to fire/heat: keep upwind. Exposure to fire/heat: consider evacuation. Exposure to fire/heat: have neighbourhood close doors and windows.	
Firefighting instructions	: Dilute toxic gases with water spray.	
Protection during firefighting	: Heat/fire exposure: compressed air/oxygen apparatus.	
SECTION 6: Accidental release measures		

6.1. Personal precautions, protective equipment and emergency procedures		
6.1.1. For non-emergency personnel		
Protective equipment	: Gloves. Protective clothing. Dust cloud production: compressed air/oxygen apparatus.	
Emergency procedures	ency procedures : Mark the danger area. Prevent dust cloud formation, e.g. by wetting. No naked flames. Wash contaminated clothes.	
Measures in case of dust release	es in case of dust release : In case of dust production: keep upwind. Dust production: have neighbourhood close of and windows.	
6.1.2. For emergency responders		
Protective equipment	: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".	
6.2. Environmental precautions		
Avoid release to the environment.		
6.3. Methods and material for containment and cleaning up		
For containment	: Contain released product, pump into suitable containers. Plug the leak, cut off the supply. Knock down/dilute dust cloud with water spray.	
Methods for cleaning up	: Stop dust cloud by humidifying. Scoop solid spill into closing containers. Clean contaminated surfaces with an excess of water. Wash clothing and equipment after handling.	
Other information	: Dispose of materials or solid residues at an authorized site.	
6.4. Reference to other sections		
For further information refer to section 13.		

SECTION 7: Handling and storage		
7.1. Precautions for safe handling		
Precautions for safe handling	: Avoid raising dust. Keep away from naked flames/heat. Carry operations in the open/under local exhaust/ventilation or with respiratory protection. Comply with the legal requirements. Clean contaminated clothing. Keep container tightly closed.	
Hygiene measures	: Observe normal hygiene standards.	
2. Conditions for safe storage, including any incompatibilities		
Storage conditions	: Store in a well-ventilated place. Keep cool.	
Storage temperature	: < -20 °C	
Heat and ignition sources	: KEEP SUBSTANCE AWAY FROM: heat sources.	
Information on mixed storage	: KEEP SUBSTANCE AWAY FROM: oxidizing agents. (strong) acids. (strong) bases.	
Storage area	: Store in a dark area. To be kept quick-frozen. Meet the legal requirements.	
Special rules on packaging	: SPECIAL REQUIREMENTS: closing. correctly labelled. meet the legal requirements. Secure fragile packagings in solid containers.	

7.3. Specific end use(s) No additional information available

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Respiratory protection:

Dust production: dust mask with filter type P1

Environmental exposure controls:

Avoid release to the environment.

SECTION 9: Physical and chemical properties	
9.1. Information on basic physical and chemical properties	
Physical state	: Solid
Appearance	: Solid. Powder.
Molecular mass	: 833.36 g/mol
Colour	: Off-white to light yellow.
Odour	: Odourless.
Odour threshold	: No data available
рН	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: No data available
Freezing point	: Not applicable
Boiling point	: No data available
Flash point	: Not applicable
Auto-ignition temperature	: Not applicable
Decomposition temperature	: No data available
Flammability (solid, gas)	: Non flammable.
Vapour pressure	: No data available
Relative vapour density at 20 °C	: Not applicable
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: Not applicable
9.2. Other information	
VOC content	:0%

SECTION 10: Stability and reactivity		
10.1. Reactivity		
The product is non-reactive under normal conditions of use, storage and transport.		
10.2. Chemical stability		
Stable under normal conditions.		
10.3. Possibility of hazardous reactions		
No dangerous reactions known under normal conditions of use.		
10.4. Conditions to avoid		
None under recommended storage and handling conditions (see section 7).		
10.5. Incompatible materials		
No additional information available 10.6. Hazardous decomposition products		
		Hazardous decomposition products.

SECTION 11: Toxicological information	
11.1. Information on toxicological effects	
Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified
Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Causes serious eye irritation.
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified

Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified
Potential adverse human health effects and symptoms	: Causes serious eye irritation.

SECTION 12: Ecological information		
12.1. Toxicity		
Ecology - general :	Not classified as dangerous for the environment according to the criteria of Regulation (EC) No 1272/2008.	
Ecology - air :	Not classified as dangerous for the ozone layer (Regulation (EC) No 1005/2009).	
Ecology - water :	Mild water pollutant (surface water). No data available on ecotoxicity.	
Acute aquatic toxicity :	Not classified	
Chronic aquatic toxicity :	Not classified	
12.2. Persistence and degradability		
NND Reagent A (2646-71-1)		
Persistence and degradability	Biodegradability in water: no data available.	
12.3. Bioaccumulative potential		
NND Reagent A (2646-71-1)		
Bioaccumulative potential	No bioaccumulation data available.	
12.4. Mobility in soil		
No additional information available		
12.5. Results of PBT and vPvB assessment		
No additional information available		
12.6. Other adverse effects		
No additional information available		

SECTION 13: Disposal considerations	
13.1. Waste treatment methods	
Waste treatment methods	: Waste treatment methods.
Product/Packaging disposal recommendations	: Remove to an authorized waste treatment plant. Remove waste in accordance with local and/or national regulations. Hazardous waste shall not be mixed together with other waste. Different types of hazardous waste shall not be mixed together if this may entail a risk of pollution or create problems for the further management of the waste. Hazardous waste shall be managed responsibly. All entities that store, transport or handle hazardous waste shall take the necessary measures to prevent risks of pollution or damage to people or animals.
Additional information	: Hazardous waste according to Directive 2008/98/EC, as amended by Regulation (EU) No 1357/2014 and Regulation (EU) No 2017/997.
European List of Waste (LoW) code	: 15 01 10* - packaging containing residues of or contaminated by dangerous substances 16 03 05* - organic wastes containing dangerous substances

SECTION 14: Transport information In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number		
UN-No. (ADR)	: Not applicable	
UN-No. (IMDG)	: Not applicable	
UN-No. (IATA)	: Not applicable	
UN-No. (ADN)	: Not applicable	
UN-No. (RID)	: Not applicable	
14.2. UN proper shipping name		
Proper Shipping Name (ADR)	: Not applicable	
Proper Shipping Name (IMDG)	: Not applicable	
Proper Shipping Name (IATA)	: Not applicable	
Proper Shipping Name (ADN)	: Not applicable	
Proper Shipping Name (RID)	: Not applicable	
14.3. Transport hazard class(es)		
ADR		
Transport hazard class(es) (ADR)	: Not applicable	

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IMDG	
Transport hazard class(es) (IMDG)	: Not applicable
ΙΑΤΑ	
Transport hazard class(es) (IATA)	: Not applicable
ADN	
Transport hazard class(es) (ADN)	: Not applicable
RID	
Transport hazard class(es) (RID)	: Not applicable
14.4. Packing group	
Packing group (ADR)	: Not applicable
Packing group (IMDG)	: Not applicable
Packing group (IATA)	: Not applicable
Packing group (ADN)	: Not applicable
Packing group (RID)	: Not applicable
14.5. Environmental hazards	
Dangerous for the environment	: No
Marine pollutant	: No
Other information	: No supplementary information available
14.6. Special precautions for user	
Overland transport	
Not applicable	
Transport by sea	
Not applicable	
Air transport	
Not applicable	
Inland waterway transport	
Not applicable	
Rail transport	
Not applicable	
14.7 Transport in bulk according to Approx	II of Marpol and the IBC Code
14.7. Transport in burk according to Annex	

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

NND Reagent A is not on the REACH Candidate List

NND Reagent A is not on the REACH Annex XIV List

NND Reagent A is not subject to REGULATION (EU) No 649/2012 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 4 July 2012 concerning the export and import of hazardous chemicals.

NND Reagent A is not subject to Regulation (EC) No 850/2004 of the European Parliament and of the Council of 29 April 2004 on persistent organic pollutants and amending Directive 79/117/EEC

15.1.2. National regulations

Not listed on the United States TSCA (Toxic Substances Control Act) inventory Not listed on the Canadian DSL (Domestic Substances List)/NDSL (Non-Domestic Substances List)

:0%

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Full text of H- and EUH-statements:		
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2	
H319	Causes serious eye irritation.	
Safety Data Sheet applicable for regions : GB - United Kingdom		

NND Reagent A

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SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.



NND Reagent B

Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

SECTION 1: Identification of the su	ubstance/mixture and of the company/undertaking
1.1. Product identifier	
Product form	: Mixture
Product name	: NND Reagent B
Product code	: 508N
Product group	: Trade product
1.2. Relevant identified uses of the sul	ostance or mixture and uses advised against
1.2.1. Relevant identified uses	· · · · · · · · · · · · · · · · · · ·
No additional information available	
1.2.2. Uses advised against	
No additional information available	
1.3. Details of the supplier of the safet	y data sheet
Geno Technology, Inc./ G-Biosciences	
9800 Page Avenue 63132-1429 Saint Louis - United States	
T 800-628-7730 - F 314-991-1504	
technical@GBiosciences.com - www.GBiosciences.com	ences.com
1.4. Emergency telephone number	
Emergency number	: Chemtrec 1-800-424-9300 (USA/Canada), +1-703-527-3887 (Intl)
SECTION 2: Hazards identification	
2.1. Classification of the substance or	mixture
Classification according to Regulation (EC	No. 1272/2008 [CLP]
Not classified	
Adverse abveisschemisst, bymen bestählt	
Adverse physicochemical, human health a	ant environmental enects ant any particular risk, provided it is handled in accordance with good occupational hygiene and safety
practice.	and any particular risk, provided it is handled in accordance with good occupational hygiene and salety
2.2. Label elements	
Labelling according to Regulation (EC) No.	1272/2008 [CLP]
No labelling applicable	
2.3. Other hazards No additional information available	
SECTION 3: Composition/informat	ion on ingredients
3.1. Substances	
Not applicable	
3.2. Mixtures	
This mixture does not contain any substances	to be mentioned according to the criteria of section 3.2 of REACH annex II
SECTION 4: First aid measures	
4.1. Description of first aid measures	Demonstration of the forest state of the second state to the state of the
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing.
First-aid measures after skin contact	: Wash skin with plenty of water.
First-aid measures after eye contact	: Rinse eyes with water as a precaution.
First-aid measures after ingestion	: Call a poison center or a doctor if you feel unwell.
4.2. Most important symptoms and eff No additional information available	ects, both acute and delayed
4.3. Indication of any immediate medic	al attention and special treatment needed
Treat symptomatically.	
SECTION 5: Firefighting measures	
5.1. Extinguishing media	Weter enroy Dry neuder Foort Oother disside
Suitable extinguishing media	: Water spray. Dry powder. Foam. Carbon dioxide.

5.2. Special hazards arising from the substance or mixture Hazardous decomposition products in case of fire : Toxic fumes may be released.

NND Reagent B

5.3. Advice for firefighters	
Protection during firefighting	: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.
SECTION 6: Accidental release me 6.1. Personal precautions, protective e	
6.1.1. For non-emergency personnel Emergency procedures	: Ventilate spillage area.
6.1.2. For emergency responders Protective equipment	: Do not attempt to take action without suitable protective equipment. For further informatio refer to section 8: "Exposure controls/personal protection".
6.2. Environmental precautions Avoid release to the environment.	
6.3. Methods and material for containn	cont and cleaning up
Methods for cleaning up	: Take up liquid spill into absorbent material.
Other information	: Dispose of materials or solid residues at an authorized site.
6.4. Reference to other sections For further information refer to section 13.	
SECTION 7: Handling and storage	
7.1. Precautions for safe handling Precautions for safe handling	: Ensure good ventilation of the work station. Wear personal protective equipment.
Hygiene measures	: Do not eat, drink or smoke when using this product. Always wash hands after handling the product.
7.2. Conditions for safe storage, incluc Storage conditions	ing any incompatibilities : Store in a well-ventilated place. Keep cool.
7.3. Specific end use(s) No additional information available	
SECTION 8: Exposure controls/per	rsonal protection
8.1. Control parameters	
No additional information available	
8.2. Exposure controls	
Appropriate engineering controls: Ensure good ventilation of the work station.	
Hand protection:	
Protective gloves	
Eye protection:	
Safety glasses	
Skin and body protection:	
Wear suitable protective clothing	
Respiratory protection:	
In case of insufficient ventilation, wear suitabl	e respiratory equipment
Environmental exposure controls:	
Avoid release to the environment.	

9.1. Information on basic physical and chemical properties			
Physical state	: Liquid		
Colour	: No data available		
Odour	: No data available		
Odour threshold	: No data available		
рН	: No data available		
Relative evaporation rate (butylacetate=1)	: No data available		
Melting point	: Not applicable		
Freezing point	: No data available		
Boiling point	: No data available		

Flash point	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available
9.2 Other information	

9.2. Other information No additional information available

SECTION 10: Stability and reactivity
10.1. Reactivity
The product is non-reactive under normal conditions of use, storage and transport.
10.2. Chemical stability
Stable under normal conditions.
10.3. Possibility of hazardous reactions
No dangerous reactions known under normal conditions of use.
10.4. Conditions to avoid
None under recommended storage and handling conditions (see section 7).
10.5. Incompatible materials
No additional information available
10.6. Hazardous decomposition products
Hazardous decomposition products.

SECTION 11: Toxicological information	
11.1. Information on toxicological effects	
Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified
Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Not classified
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified

SECTION 12: Ecological information	
12.1. Toxicity	
Ecology - general	: The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.
Acute aquatic toxicity	: Not classified
Chronic aquatic toxicity	: Not classified
12.2. Persistence and degradability	
No additional information available	
12.3. Bioaccumulative potential	
No additional information available	
12.4. Mobility in soil	
No additional information available	
12.5. Results of PBT and vPvB assessment	
No additional information available	

12.6. Other adverse effects No additional information available

SECTION 13: Disposal considerations	
13.1. Waste treatment methods	
Waste treatment methods	: Waste treatment methods.
SECTION 14: Transport information	
In accordance with ADR / RID / IMDG / IATA / ADN	
14.1. UN number	
UN-No. (ADR)	: Not applicable
UN-No. (IMDG)	: Not applicable
UN-No. (IATA)	: Not applicable
UN-No. (ADN)	: Not applicable
UN-No. (RID)	: Not applicable
14.2. UN proper shipping name Proper Shipping Name (ADR)	: Not applicable
Proper Shipping Name (IMDG)	: Not applicable
Proper Shipping Name (IATA)	: Not applicable
Proper Shipping Name (ADN)	: Not applicable
Proper Shipping Name (RID)	: Not applicable
14.3. Transport hazard class(es)	
ADR	
Transport hazard class(es) (ADR)	: Not applicable
	Net eveloped.
Transport hazard class(es) (IMDG)	: Not applicable
ΙΑΤΑ	
Transport hazard class(es) (IATA)	: Not applicable
ADN	
Transport hazard class(es) (ADN)	: Not applicable
RID	
Transport hazard class(es) (RID)	: Not applicable
14.4. Packing group	
Packing group (ADR)	: Not applicable
Packing group (IMDG)	: Not applicable
Packing group (IATA)	: Not applicable
Packing group (ADN)	: Not applicable
Packing group (RID)	: Not applicable
14.5. Environmental hazards	: No
Dangerous for the environment Marine pollutant	: No
Other information	: No : No supplementary information available
14.6. Special precautions for user	
Overland transport	
Not applicable	
Transport by sea	
Not applicable	
Air transport	
Not applicable	
Inland waterway transport	
Not applicable	
Rail transport	
Not applicable	
14.7. Transport in bulk according to Annex I	I of Marpol and the IBC Code

Not applicable

NND Reagent B

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

Contains no substance subject to REGULATION (EU) No 649/2012 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 4 July 2012 concerning the export and import of hazardous chemicals.

Substance(s) are not subject to Regulation (EC) No 850/2004 of the European Parliament and of the Council of 29 April 2004 on persistent organic pollutants and amending Directive 79/117/EEC.

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Safety Data Sheet applicable for regions

: GB - United Kingdom

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.



Substance name : NND Reagent C C:No. : 204-024-4 Color : 113-24-6 Product code : 500N Type of product : Pure substance formula : C3H3NaO3 Synonyms : 20x0-propanoic acid, sodium salt / acetyfformic acid, sodium salt / propanoic acid, 2-oxo- roduct regit / pyrucic acid sodium pyruvate / sodium-pyruvate Product group : Trade product 310 No : 27759 1.2. Relevant identified uses or mixture and uses advised against No additional information available : 27759 1.2. Use advised against : No additional information available : 1.2. Use advised against : No additional information available : 3132-120 Sant Louis - United States : Serverice : Stational information available	SECTION 1. Identification of the substan	co/mixturo and of the company	/undortakin	a	
Product from : Slubiance Subsition en name : Slubiance Subsition en name : Slubiance Subsition en name : 204-024-4 CA-No. : 113-24-6 Product cade : 509N Type of product : Pure subsitione Signing in the subsitione : C343NaO.3 Synonyms : 2.0x0-propanole acid, acodum salt / actifyttomic acid. sedium salt / propanole acid, 2-oxo. Solution salt / provide acid : 2.0x0-propanole acid, acodum salt / solution salt / solution salt / solution provide / soduum-provide / soduum-p		ce/mixture and of the company	/unuertakin	<u>g</u>	
EC-No. : 204-024-4 CAS-No. : 113-24-6 'Product code : 509N Type of product : Pure substance - Formula : C3H3NeO3 Synonyms : 2-0xo-propancic acid, sodium salt / sodium pyruvate / sodium-pyruvate Product group : Trade product 316 No : 27759 1.2. Relevant identified uses of the substance or mixture and uses advised against 1.2. Relevant identified uses of the substance or mixture and uses advised against 1.2. Relevant identified uses of the substance or mixture and uses advised against 1.2. Relevant identified uses of the substance or mixture and uses advised against 1.2. Relevant identified uses of the substance or mixture and uses advised against 1.2. Uses advised against No additional information available 1.2. Uses advised against No additional information available 1.3. Details of the supplier of the safety data sheet Semo Technology, Inc/ C-Biosciences 8000 Pag Avenue 31321-1242 Saint Louis - United States 1800-628-7730 - F 314-891-1504 Encerneroux Vielephone number Emergency telephone number Emergency telephone number Emergency telephone number 2.1. Classification of the substance or mixture Classification according to Regulation (EC) No. 1272/2008 [CLP] Vot classified Adverse physicochemical, human health and environmental effects 15 our knowledge, this product does not present any particular risk, provided it is handled in accordance with good occupational hysiene and safet zateche. 2.2. Label elements 2.3. Other hazards Vo additional information on ingredients 3.4. Substance or 3.5. Composition/information on ingredients 3.6. Substance or 3.6. Classification according to Regulation (EC) No. 1272/2008 [CLP] Vot classified 3.6. Substances 3.6. Substances 3.6. Mone-constituent Name Product Identifier 3.6. Mone-constituent Name Product Identifier 3.6. Non Classified 3.6. Non Classified (CLP) 3.6. Non Classified (CLP) 3.7. Substances 3.6. Mone-constituent 3.6. Non Classified (CLP) 3.7. Non Reagent C 3.7. Mone 3.7. Classification according to 3.7. Classi	Product form	: Substance			
CAS-No. : 113-24-6 Product code : 600N Synonyms : C343Na0.03 Synonyms : C343Na0.03 Synonyms : C343Na0.03 Synonyms : S2-0xx-proponic acid, sodium salt / acitylformic acid, sodium pyruvate / sodium-pyruvate Product group : Trade product Sin No : 27759 12. Relevant identified uses vs additional information available 1.1. Relevant identified uses vs additional information available 1.2. Details of the supplier of the safety data sheet	Substance name				
Product code : 509N Type of product :: Dure substance Formula :: C3H3NaO3 Synonyms :: 2: 2xxxx-propanole acid, sodium salt / sectylformic acid, sodium-pyruvate / sodium-pyruvate Product group :: Trade product 30 No :: 27759 12.1. Relevant identified uses of the substance or mixture and uses advised against Va additional information available 1.2.2. Uses advised against Va additional information available 1.3. Details of the supplier of the safety data sheet Sono Technology, Inc/ C-Biosciences 8000 Page Avenue 3132-1429 Saint Louis - United States 8000 Page Avenue Saint Louis - United States	EC-No.	: 204-024-4			
Type of product : Pure substance Formula : : : : : : : : : : : : : : : : : : :	CAS-No.	: 113-24-6			
Synomy is : C3H3NaO3 Synomy is :: 2-xxx-propancic acid, sodium salt / acetylformic acid, sodium salt / sodium pyruvate / sodium-pyruvate / sodium-pyruv	Product code	: 509N			
Synonyms : 2-oxo-propanoic acid, sodium salt / sodium salt	Type of product	: Pure substance			
sodium sait / sodium sait / sodium sait / sodium pyruviate / sodium-pyruviate Product group : Trade product 30 No : 27759 1.2. Relevant identified uses of the substance or mixture and uses advised against 1.2.1. Relevant identified uses No additional information available 1.2.1. Lake advised against No additional information available 1.3. Details of the supplier of the safety data sheet 300 Page Avenue 3132-1423 Safet Louis - United States 800 Page Avenue 314. Emergency telephone number Emergency number : Chemtrec 1-800-424-9300 (USA/Canada), +1-703-527-3887 (Intt) SECTION 2: Hazards Identification 2.1. Classification according to Regulation (EC) No. 1272/2008 (CLP) Not classified Adverse physicochemical, human health and environmental effects 75 our knowledge, this product does not present any particular risk, provided it is handled in accordance with good occupational hygiene and safet 51 Substance 81. Substance 81. Substance 81. Substances 81. Subst	Formula	: C3H3NaO3			
Bill No : 27759 1.2. Relevant identified uses of the substance or mixture and uses advised against 1.2.1. Relevant identified uses of the substance or mixture and uses advised against Va additional information available 1.2. Uses advised against Va additional information available 1.3. Details of the supplier of the safety data sheet Geno Technology, Inc./ G-Biosciences B00 Page Avenue 3132-1429 Saint Louis - United States Faon-252 r730 - F 314-991-1504 schincal@GBiosciences.com - www.GBiosciences.com 1.4. Emergency tolephone number Emergency number : Chemitrec 1-800-424-9300 (USA/Canada), +1-703-527-3887 (Intil) SECTION 2: Hazards identification 2.1. Classification according to Regulation (EC) No. 1272/2008 [CLP] Vot classified Adverse physicochemical, human health and environmental effects To our knowledge, this product does not present any particular risk, provided it is handled in accordance with good occupational hygiene and safet variable 2.2. Other hazards Vo talassified SECTION 3: Composition/information on ingredients 2.3. Other hazards Vo additional information available SECTION 3: Composition/information on ingredients <td>Synonyms</td> <td colspan="4">: 2-oxo-propanoic acid, sodium salt / acetylformic acid, sodium salt / propanoic acid, 2-oxo-,</td>	Synonyms	: 2-oxo-propanoic acid, sodium salt / acetylformic acid, sodium salt / propanoic acid, 2-oxo-,			
1.2. Relevant identified uses of the substance or mixture and uses advised against 1.2.1. Relevant identified uses Vo additional information available 1.2.1. Uses advised against Vo additional information available 1.3. Details of the supplier of the safety data sheet Seon Technology, Inc/ CB-Biosciences 3800 Page Avenue 3312-1429 Saint Louis - United States F00-628-7730 - F 31.4 091-1504 echnical@CBiosciences.com 1.4. Emergency telephone number Emergency telephone number Energency telephone number Energency telephone number Classification of the substance or mixture Classification according to Regulation (EC) No. 1272/2008 [CLP] Not classified Adverse physicochemical, human health and environmental effects To our knowledge, this product does not present any particular risk, provided it is handled in accordance with good occupational hygiene and safet practice. 2.2. Label elements Labeling according to Regulation (EC) No. 1272/2008 [CLP] Vo labeling applicable 2.3. Other nazards Vo labeling applicable 2.3. Other nazards Vo labeling applicable 2.3. Other nazards	Product group	: Trade product			
1.2.1. Relevant identified uses No additional information available 1.2.2. Uses advised against No additional information available 1.3. Details of the supplier of the safety data sheet Geno Technology, Inc./ G-Biosciences 800 Page Avenue 3132-1429 Saint Louis - United States F800-828_720.5 F 314-991-1504 echnical@GBiosciences.com - www.GBiosciences.com 1.4. Emergency telephone number Emergency number : Chemtrec 1-800-424-9300 (USA/Canada), +1-703-527-3887 (Intl) SECTION 2: Hazards identification 2.1. Classification of the substance or mixture Classified Adverse physicochemical, human health and environmental effects Fo our knowledge, this product does not present any particular risk, provided it is handled in accordance with good occupational hygiene and safet racice. 2.2. Label elements Labelling according to Regulation (EC) No. 1272/2008 [CLP] Vo labelling applicable 2.3. Other hazards No additional information available SECTION 3: Composition/information on ingredients 31. Substance type Substance type Substance type Mane Name P	BIG No	: 27759			
No additional information available 1.2.2. Uses advised against So additional information available 1.3. Details of the supplice of the safety data sheet Beno Teachnology, Inc./ 0-Biosciences 1800 Page Avenue 13121/120 Saint Louis - United States 1800-628-7730 - F 314-991-1504 Central GBIosciences.com - www.GBIosciences.com 1.4. Emergency telephone number Emergency telephone number Emergency telephone number Emergency telephone number Statistication of the substance or mixture Classification of the substance or mixture Classified Adverse physicochemical, human health and environmental effects To our knowledge, this product does not present any particular risk, provided it is handled in accordance with good occupational hygiene and safet ractice. 2.1. Label elements abelling according to Regulation (EC) No. 1272/2008 [CLP] Note labelling applicable 2.3. Other hazards Name Product identifier Name Product identifier % Classification according to Regulation [C) No. 1272/2008 [CLP] Nub Reagent C (CAS-No.) 113-24-6 100	I.2. Relevant identified uses of the substance	or mixture and uses advised agai	inst		
33132-1429 Saint Louis - United States 7800-628-7730 - F 314-991-1504 echnical@GBiosciences.com - www.GBiosciences.com 1.4. Emergency telephone number Emergency number : Chemtrec 1-800-424-9300 (USA/Canada), +1-703-527-3887 (Inti) SECTION 2: Hazards identification 2.1. Classification of the substance or mixture Classification according to Regulation (EC) No. 1272/2008 [CLP] Not classified Adverse physicochemical, human health and environmental effects To our knowledge, this product does not present any particular risk, provided it is handled in accordance with good occupational hygiene and safet practice. 2.2. Label elements Labelling according to Regulation (EC) No. 1272/2008 [CLP] No labelling applicable 2.3. Other hazards No additional information available SECTION 3: Composition/information on ingredients 3.1. Substances Substance type : Mono-constituent Name Product identifier % Classification according to Regulation (EC) No. 113-24-6 100 Not classified	No additional information available 1.2.2. Uses advised against No additional information available 1.3. Details of the supplier of the safety data s Geno Technology, Inc./ G-Biosciences	sheet			
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NND Reagent C (CAS-No.) 113-24-6 100 Not classified	Name	Product identifier	%	Regulation (EC) No.	
	NND Reagent C		100		

3.2. Mixtures Not applicable

SECTION 4: First aid measures	
4.1. Description of first aid measures	
First-aid measures general	: Check the vital functions. Unconscious: maintain adequate airway and respiration. Respiratory arrest: artificial respiration or oxygen. Cardiac arrest: perform resuscitation. Victim conscious with laboured breathing: half-seated. Victim in shock: on his back with legs slightly raised. Vomiting: prevent asphyxia/aspiration pneumonia. Prevent cooling by covering the victim (no warming up). Keep watching the victim. Give psychological aid. Keep the victim calm, avoid physical strain. Depending on the victim's condition: doctor/hospital.
First-aid measures after inhalation	: Remove the victim into fresh air.
First-aid measures after skin contact	: Wash immediately with lots of water (15 minutes)/shower. Soap may be used.
First-aid measures after eye contact	: Rinse immediately with plenty of water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Take victim to an ophthalmologist if irritation persists.
First-aid measures after ingestion	: Rinse mouth with water. Immediately after ingestion: give lots of water to drink. Ingestion o large quantities: immediately to hospital. Call Poison Information Centre (www.big.be/antigif.htm).

: AFTER INGESTION OF HIGH QUANTITIES: Abdominal pain. Symptoms/effects 4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures	
5.1. Extinguishing media	
Suitable extinguishing media	: Quick-acting ABC powder extinguisher. Class A foam extinguisher. Water (quick-acting extinguisher, reel). Water. Class A foam.
Unsuitable extinguishing media	: Quick-acting BC powder extinguisher. Quick-acting CO2 extinguisher.
5.2. Special hazards arising from the substance or mixture	
Fire hazard	: DIRECT FIRE HAZARD: Non-flammable. In finely divided state: increased fire hazard. INDIRECT FIRE HAZARD: Heating increases the fire hazard.
Explosion hazard	: DIRECT EXPLOSION HAZARD: Fine dust is explosive with air. INDIRECT EXPLOSION HAZARD: Dust cloud can be ignited by a spark.
Hazardous decomposition products in case of fire	: Upon combustion: CO and CO2 are formed.
5.3. Advice for firefighters	
Precautionary measures fire	: Exposure to fire/heat: keep upwind. Exposure to fire/heat: have neighbourhood close doors and windows.
Protection during firefighting	: Heat/fire exposure: compressed air/oxygen apparatus.

SECTION 6: Accidental release measures	
6.1. Personal precautions, protective eq	uipment and emergency procedures
6.1.1. For non-emergency personnel	
Protective equipment	: Gloves. Protective clothing. Dust cloud production: compressed air/oxygen apparatus.
Emergency procedures	: Mark the danger area. Prevent dust cloud formation, e.g. by wetting. No naked flames. Wash contaminated clothes.
Measures in case of dust release	: In case of dust production: keep upwind. Dust production: have neighbourhood close doors and windows. In case of dust production: stop engines and no smoking. In case of dust production: no naked flames or sparks. Dust: spark-/explosionproof appliances/lighting equipment.
6.1.2. For emergency responders	
Protective equipment	: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".
6.2. Environmental precautions	
Avoid release to the environment.	
6.3. Methods and material for containme	ent and cleaning up
For containment	: Contain released product, pump into suitable containers. Plug the leak, cut off the supply. Knock down/dilute dust cloud with water spray. Provide equipment/receptacles with earthing. Powdered form: no compressed air for pumping over spills.
Methods for cleaning up	Stop dust cloud by humidifying. Scoop solid spill into closing containers. Powdered: do not use compressed air for pumping over spills. Clean contaminated surfaces with an excess of water. Wash clothing and equipment after handling.
Other information	: Dispose of materials or solid residues at an authorized site.
6.4. Reference to other sections	
For further information refer to section 13.	

SECTION 7: Handling and storage	
7.1. Precautions for safe handling	
Precautions for safe handling	: Avoid raising dust. Keep away from naked flames/heat. Take precautions against electrostatic charges. In finely divided state: use spark-/explosionproof appliances. Finely divided: keep away from ignition sources/sparks. Carry operations in the open/under local exhaust/ventilation or with respiratory protection. Comply with the legal requirements. Clean contaminated clothing. Powdered form: no compressed air for pumping over. Keep container tightly closed.
Hygiene measures	: Reduce/avoid exposure and/or contact.
7.2. Conditions for safe storage, including a	any incompatibilities
Storage conditions	: Store in a well-ventilated place. Keep cool.
Storage temperature	: 2 - 8 °C
Heat and ignition sources	: KEEP SUBSTANCE AWAY FROM: heat sources. ignition sources.
Information on mixed storage	: KEEP SUBSTANCE AWAY FROM: oxidizing agents.
Storage area	: Store in a cool area. Store in a dry area. Keep container in a well-ventilated place. Provide for a cooling system. Provide the tank with earthing. Meet the legal requirements.
Special rules on packaging	: SPECIAL REQUIREMENTS: closing. correctly labelled. meet the legal requirements. Secure fragile packagings in solid containers.
Packaging materials	: SUITABLE MATERIAL: plastics.
7.3. Specific end use(s)	
N La se de l'été au se l'indée mar se été au server (La la La	

No additional information available

SECTION 8: Exposure controls/personal protection
8.1. Control parameters
No additional information available
8.2. Exposure controls
Appropriate engineering controls:
Ensure good ventilation of the work station.
Hand protection:
Gloves
Eye protection:
Safety glasses. In case of dust production: protective goggles
Skin and body protection:
Protective clothing
Respiratory protection:
Dust formation: dust mask
Environmental exposure controls:

Environmental exposure controls:

Avoid release to the environment.

SECTION 9: Physical and chemical properties	
9.1. Information on basic physical and chemical properties	
Physical state	: Solid
Appearance	: Solid. Powder.
Molecular mass	: 110.04 g/mol
Colour	: White.
Odour	: Odourless.
Odour threshold	: No data available
рН	: 7 (10 %)
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: > 300 °C
Freezing point	: Not applicable
Boiling point	: No data available
Flash point	: Not applicable
Auto-ignition temperature	: Not applicable
Decomposition temperature	: No data available
Flammability (solid, gas)	: Non flammable.
Vapour pressure	: No data available

Relative vapour density at 20 °C	: Not applicable
Relative density	: No data available
Solubility	: Soluble in water.
	Water: complete
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: Not applicable
9.2. Other information	
Other properties	: Neutral reaction.

10.1. Reactivity
i of the total of the second se
The product is non-reactive under normal conditions of use, storage and transport.
10.2. Chemical stability
Stable under normal conditions.
10.3. Possibility of hazardous reactions
No dangerous reactions known under normal conditions of use.
10.4. Conditions to avoid
None under recommended storage and handling conditions (see section 7).
10.5. Incompatible materials
No additional information available
10.6. Hazardous decomposition products
Hazardous decomposition products.

SECTION 11: Toxicological information	
11.1. Information on toxicological effects	
Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified
Skin corrosion/irritation	: Not classified
	pH: 7 (10 %)
Serious eye damage/irritation	: Not classified
	pH: 7 (10 %)
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified

SECTION 12: Ecological information	
12.1. Toxicity	
Ecology - general :	Not classified as dangerous for the environment according to the criteria of Regulation (EC) No 1272/2008.
Ecology - water :	Mild water pollutant (surface water).
Acute aquatic toxicity :	Not classified
Chronic aquatic toxicity :	Not classified
12.2. Persistence and degradability	
NND Reagent C (113-24-6)	
Persistence and degradability	Biodegradability in soil: no data available.
12.3. Bioaccumulative potential	
NND Reagent C (113-24-6)	
Bioaccumulative potential	No bioaccumulation data available.
12.4. Mobility in soil	
No additional information available	

No additional information available	
No additional mormation available	

12.6. Other adverse effects No additional information available

SECTION 13: Disposal considerations	
13.1. Waste treatment methods	
Waste treatment methods	: Waste treatment methods.
Product/Packaging disposal recommendations	: Recycle/reuse. Remove to an authorized incinerator equipped with an afterburner and a flue gas scrubber with energy recovery.
Additional information	: Can be considered as non hazardous waste according to Directive 2008/98/EC, as amended by Regulation (EU) No 1357/2014 and Regulation (EU) No 2017/997.
European List of Waste (LoW) code	: 16 03 06 - organic wastes other than those mentioned in 16 03 05

SECTION 14: Transport information	
In accordance with ADR / RID / IMDG / IATA / ADN	
14.1. UN number	
UN-No. (ADR)	: Not applicable
UN-No. (IMDG)	: Not applicable
UN-No. (IATA)	: Not applicable
UN-No. (ADN)	: Not applicable
UN-No. (RID)	: Not applicable
14.2. UN proper shipping name	Mist and Parkla
Proper Shipping Name (ADR)	: Not applicable
Proper Shipping Name (IMDG)	: Not applicable
Proper Shipping Name (IATA)	: Not applicable
Proper Shipping Name (ADN)	: Not applicable
Proper Shipping Name (RID)	: Not applicable
14.3. Transport hazard class(es)	
ADR	
Transport hazard class(es) (ADR)	: Not applicable
IMDG	
Transport hazard class(es) (IMDG)	: Not applicable
ΙΑΤΑ	
Transport hazard class(es) (IATA)	: Not applicable
ADN	
Transport hazard class(es) (ADN)	: Not applicable
RID	
Transport hazard class(es) (RID)	: Not applicable
14.4. Packing group	
Packing group (ADR)	: Not applicable
Packing group (IMDG)	: Not applicable
Packing group (IATA)	: Not applicable
Packing group (ADN)	: Not applicable
Packing group (RID)	: Not applicable
14.5. Environmental hazards	
Dangerous for the environment	: No
Marine pollutant	: No
Other information	: No supplementary information available
14.6. Special precautions for user	
Overland transport	
Not applicable	
Transport by sea	
Not applicable	
Air transport	
Not applicable	
Inland waterway transport	
Not applicable	

NND Reagent C

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Rail transport

Not applicable

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code Not applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

NND Reagent C is not on the REACH Candidate List

NND Reagent C is not on the REACH Annex XIV List

NND Reagent C is not subject to REGULATION (EU) No 649/2012 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 4 July 2012 concerning the export and import of hazardous chemicals.

NND Reagent C is not subject to Regulation (EC) No 850/2004 of the European Parliament and of the Council of 29 April 2004 on persistent organic pollutants and amending Directive 79/117/EEC

15.1.2. National regulations

Listed on the United States TSCA (Toxic Substances Control Act) inventory Listed on the Canadian DSL (Domestic Substances List)

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Safety Data Sheet applicable for regions

: GB - United Kingdom

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.



NND Reagent D

Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

SECTION 1: Identification of the su	ubstance/mixture and of the company/undertaking
1.1. Product identifier	
Product form	: Mixture
Product name	: NND Reagent D
Product code	: 510N
Product group	: Trade product
1.2. Relevant identified uses of the sul	ostance or mixture and uses advised against
1.2.1. Relevant identified uses	
No additional information available	
1.2.2. Uses advised against	
No additional information available	
1.3. Details of the supplier of the safet	y data sheet
Geno Technology, Inc./ G-Biosciences	,
9800 Page Avenue	
63132-1429 Saint Louis - United States T 800-628-7730 - F 314-991-1504	
technical@GBiosciences.com - www.GBioscie	ences.com
1.4. Emergency telephone number	
Emergency number	: Chemtrec 1-800-424-9300 (USA/Canada), +1-703-527-3887 (Intl)
SECTION 2: Hazards identification	
2.1. Classification of the substance or	mixture
Classification according to Regulation (EC	No. 1272/2008 [CLP]
Not classified	
To our knowledge, this product does not prese practice. 2.2. Label elements	ent any particular risk, provided it is handled in accordance with good occupational hygiene and safety
Labelling according to Regulation (EC) No.	1272/2008 [CLP]
No labelling applicable	
2.3. Other hazards No additional information available	
SECTION 3: Composition/informat	ion on ingredients
3.1. Substances	
Not applicable	
3.2. Mixtures	
This mixture does not contain any substances	to be mentioned according to the criteria of section 2.2 of PEACH approx II
This mixture does not contain any substances	to be mentioned according to the criteria of section 3.2 of REACH annex II
SECTION 4: First aid measures	
4.1. Description of first aid measures	Demove nerven to freeh eiz and land an enviertable fan har athing
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing.
First-aid measures after skin contact	: Wash skin with plenty of water.
First-aid measures after eye contact	: Rinse eyes with water as a precaution.
First-aid measures after ingestion	: Call a poison center or a doctor if you feel unwell.
4.2. Most important symptoms and effective of the symptometry of the s	ects, both acute and delayed
4.3. Indication of any immediate medic	al attention and special treatment needed
Treat symptomatically.	
SECTION 5: Firefighting measures	
5.1. Extinguishing media	Weter enrou Dry neuder Foom Carbon disside
Suitable extinguishing media	: Water spray. Dry powder. Foam. Carbon dioxide.

5.2. Special hazards arising from the substance or mixture Hazardous decomposition products in case of fire : Toxic fumes may be released.

NND Reagent D

5.3. Advice for firefighters	CH) with its amendment Regulation (EU) 2015/830
Protection during firefighting	: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.
SECTION 6: Accidental release m	
6.1. Personal precautions, protective	equipment and emergency procedures
6.1.1. For non-emergency personnel Emergency procedures	: Ventilate spillage area.
6.1.2. For emergency responders Protective equipment	: Do not attempt to take action without suitable protective equipment. For further informatio refer to section 8: "Exposure controls/personal protection".
6.2. Environmental precautions Avoid release to the environment.	
6.3. Methods and material for contair	iment and cleaning up
Methods for cleaning up	: Take up liquid spill into absorbent material.
Other information	: Dispose of materials or solid residues at an authorized site.
6.4. Reference to other sections For further information refer to section 13.	
SECTION 7: Handling and storage	ç
7.1. Precautions for safe handling Precautions for safe handling	: Ensure good ventilation of the work station. Wear personal protective equipment.
Hygiene measures	: Do not eat, drink or smoke when using this product. Always wash hands after handling th product.
7.2. Conditions for safe storage, inclusion Storage conditions	uding any incompatibilities : Store in a well-ventilated place. Keep cool.
7.3. Specific end use(s) No additional information available	
SECTION 8: Exposure controls/p	ersonal protection
8.1. Control parameters No additional information available	
8.2. Exposure controls	
Appropriate engineering controls:	
Ensure good ventilation of the work station.	
Hand protection:	
Protective gloves	
Eye protection:	
Safety glasses	
, ,	
Skin and body protection:	
Skin and body protection:	
Skin and body protection: Wear suitable protective clothing	ble respiratory equipment
Skin and body protection: Wear suitable protective clothing Respiratory protection:	ble respiratory equipment

9.1. Information on basic physical and c	hemical properties
Physical state	: Liquid
Colour	: No data available
Odour	: No data available
Odour threshold	: No data available
рН	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: Not applicable
Freezing point	: No data available
Boiling point	: No data available

Flash point	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available
9.2 Other information	

9.2. Other information No additional information available

SECTION 10: Stability and reactivity
10.1. Reactivity
The product is non-reactive under normal conditions of use, storage and transport.
10.2. Chemical stability
Stable under normal conditions.
10.3. Possibility of hazardous reactions
No dangerous reactions known under normal conditions of use.
10.4. Conditions to avoid
None under recommended storage and handling conditions (see section 7).
10.5. Incompatible materials
No additional information available
10.6. Hazardous decomposition products
Hazardous decomposition products.

SECTION 11: Toxicological information	1
11.1. Information on toxicological effects	
Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified
Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Not classified
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified

SECTION 12: Ecological information	
12.1. Toxicity	
Ecology - general	: The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.
Acute aquatic toxicity	: Not classified
Chronic aquatic toxicity	: Not classified
12.2. Persistence and degradability	
No additional information available	
12.3. Bioaccumulative potential	
No additional information available	
12.4. Mobility in soil	
No additional information available	
12.5. Results of PBT and vPvB assessment	
No additional information available	

12.6. Other adverse effects No additional information available

SECTION 13: Disposal considerations 13.1. Waste treatment methods	
Waste treatment methods	: Waste treatment methods.
SECTION 14: Transport information	
In accordance with ADR / RID / IMDG / IATA / ADN 14.1. UN number	
UN-No. (ADR)	: Not applicable
UN-No. (IMDG)	: Not applicable
UN-No. (IATA)	: Not applicable
UN-No. (ADN)	: Not applicable
UN-No. (RID)	: Not applicable
14.2. UN proper shipping name	
Proper Shipping Name (ADR)	: Not applicable
Proper Shipping Name (IMDG)	: Not applicable
Proper Shipping Name (IATA)	: Not applicable
Proper Shipping Name (ADN)	: Not applicable
Proper Shipping Name (RID)	: Not applicable
14.3. Transport hazard class(es)	
ADR	
Transport hazard class(es) (ADR)	: Not applicable
IMDG	
Transport hazard class(es) (IMDG)	: Not applicable
IATA	
Transport hazard class(es) (IATA)	: Not applicable
ADN	
Transport hazard class(es) (ADN)	: Not applicable
RID	
Transport hazard class(es) (RID)	: Not applicable
14.4. Packing group	
Packing group (ADR)	: Not applicable
Packing group (IMDG)	: Not applicable
Packing group (IATA)	: Not applicable
Packing group (ADN)	: Not applicable
Packing group (RID)	: Not applicable
14.5. Environmental hazards	
Dangerous for the environment	: No
Marine pollutant	: No
Other information	: No supplementary information available
14.6. Special precautions for user	
Overland transport	
Not applicable	
Transport by sea	
Not applicable	
Air transport	
Not applicable	
Inland waterway transport	
Not applicable	
Rail transport	
Not applicable	
14.7. Transport in bulk according to Annex I	I of Marpol and the IBC Code

Not applicable

NND Reagent D

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

Contains no substance subject to REGULATION (EU) No 649/2012 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 4 July 2012 concerning the export and import of hazardous chemicals.

Substance(s) are not subject to Regulation (EC) No 850/2004 of the European Parliament and of the Council of 29 April 2004 on persistent organic pollutants and amending Directive 79/117/EEC.

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Safety Data Sheet applicable for regions

: GB - United Kingdom

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.



I.1. Product identifier Product form	: Mixture		
Product name	: NND Reagent E		
Product code	: 511N		
Product group	: Trade product		
.2. Relevant identified uses of	the substance or mixture and uses advise	ed against	
.2.1. Relevant identified uses			
lo additional information available			
.2.2. Uses advised against			
.3. Details of the supplier of the Supplier of the Seno Technology, Inc./ G-Bioscience			
800 Page Avenue 3132-1429 Saint Louis - United Stat 800-628-7730 - F 314-991-1504 echnical@GBiosciences.com - www	es		
.4. Emergency telephone num			
Emergency number	: Chemtrec 1-800-424-9300 (USA/Ca	inada), +1-703-527- 3	3887 (Intl)
	ance or mixture		
.1. Classification of the subst			
2.1. Classification of the substant Classification according to Regula Not classified Adverse physicochemical, human To our knowledge, this product does	tion (EC) No. 1272/2008 [CLP]	d in accordance with	n good occupational hygiene and sa
A.1. Classification of the substant Classification according to Regula lot classified Adverse physicochemical, human fo our knowledge, this product does ractice.	tion (EC) No. 1272/2008 [CLP] health and environmental effects	d in accordance with	n good occupational hygiene and sa
exactice. 2.2. Label elements abelling according to Regulation	tion (EC) No. 1272/2008 [CLP] health and environmental effects not present any particular risk, provided it is handle	d in accordance with	n good occupational hygiene and sa
Classification of the substant Classification according to Regular Not classified Adverse physicochemical, human To our knowledge, this product does aractice. C.2. Label elements abelling according to Regulation No labelling applicable	tion (EC) No. 1272/2008 [CLP] health and environmental effects not present any particular risk, provided it is handle	d in accordance with	n good occupational hygiene and sa
2.1. Classification of the substant Classification according to Regula Not classified Adverse physicochemical, human To our knowledge, this product does bractice. 2.2. Label elements	tion (EC) No. 1272/2008 [CLP] health and environmental effects not present any particular risk, provided it is handle	d in accordance with	n good occupational hygiene and sa
Adverse physicochemical, human o our knowledge, this product does ractice. Adverse elements abelling according to Regulation lo labelling applicable Adverse additional information available	tion (EC) No. 1272/2008 [CLP] health and environmental effects not present any particular risk, provided it is handle (EC) No. 1272/2008 [CLP]	d in accordance with	n good occupational hygiene and sa
Adverse physicochemical, human io our knowledge, this product does ractice. Abel elements Abelling according to Regulation to labelling applicable A.3. Other hazards Io additional information available BECTION 3: Composition/in	tion (EC) No. 1272/2008 [CLP] health and environmental effects not present any particular risk, provided it is handle (EC) No. 1272/2008 [CLP]	d in accordance with	n good occupational hygiene and sa
A.1. Classification of the substant Classification according to Regular lot classified Adverse physicochemical, human fo our knowledge, this product does ractice. A.2. Label elements abelling according to Regulation lo labelling applicable A.3. Other hazards lo additional information available SECTION 3: Composition/in A.1. Substances	tion (EC) No. 1272/2008 [CLP] health and environmental effects not present any particular risk, provided it is handle (EC) No. 1272/2008 [CLP]	d in accordance with	n good occupational hygiene and sa
Classification of the substant Classification according to Regular Not classified Adverse physicochemical, human To our knowledge, this product does aractice. C.2. Label elements Labelling according to Regulation No labelling applicable C.3. Other hazards	tion (EC) No. 1272/2008 [CLP] health and environmental effects not present any particular risk, provided it is handle (EC) No. 1272/2008 [CLP]	d in accordance with	n good occupational hygiene and sa
A.1. Classification of the substant Classification according to Regular lot classified Adverse physicochemical, human o our knowledge, this product does ractice. A.2. Label elements abelling according to Regulation lo labelling applicable .3. Other hazards lo additional information available SECTION 3: Composition/in A.1. Substances lot applicable .2. Mixtures	tion (EC) No. 1272/2008 [CLP] health and environmental effects not present any particular risk, provided it is handle (EC) No. 1272/2008 [CLP]	d in accordance with	Classification according t Regulation (EC) No.
.1. Classification of the substant classification according to Regular lot classified deverse physicochemical, human o our knowledge, this product does ractice. .2. Label elements abelling according to Regulation to labelling applicable .3. Other hazards lo additional information available ECTION 3: Composition/in .1. Substances lot applicable .2. Mixtures Name	tion (EC) No. 1272/2008 [CLP] health and environmental effects not present any particular risk, provided it is handle (EC) No. 1272/2008 [CLP] formation on ingredients		Classification according t
.1. Classification of the substration according to Regular of classified and clas	tion (EC) No. 1272/2008 [CLP] health and environmental effects not present any particular risk, provided it is handle (EC) No. 1272/2008 [CLP] formation on ingredients Product identifier (CAS-No.) 7664-38-2 (EC-No.) 231-633-2	%	Classification according t Regulation (EC) No. 1272/2008 [CLP]
A.1. Classification of the substant Classification according to Regular lot classified Adverse physicochemical, human o our knowledge, this product does ractice. A.2. Label elements abelling according to Regulation lo labelling applicable A.3. Other hazards lo additional information available SECTION 3: Composition/in A.1. Substances lot applicable	tion (EC) No. 1272/2008 [CLP] health and environmental effects not present any particular risk, provided it is handle (EC) No. 1272/2008 [CLP] formation on ingredients Product identifier (CAS-No.) 7664-38-2 (EC-No.) 231-633-2	% 2.5 - 10	Classification according t Regulation (EC) No. 1272/2008 [CLP]

SECTION 4: First and measures	
4.1. Description of first aid measures	
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing.
First-aid measures after skin contact	: Wash skin with plenty of water.
First-aid measures after eye contact	: Rinse eyes with water as a precaution.
First-aid measures after ingestion	: Call a poison center or a doctor if you feel unwell.

4.2. Most important symptoms and effects, both acute and delayed		
No additional information available		
4.3. Indication of any immediate medical attention and special treatment needed		

Treat symptomatically.

OFOTION C. A

SECTION 5: Firefighting measures 5.1. Extinguishing media	
Suitable extinguishing media	: Water spray. Dry powder. Foam. Carbon dioxide.
5.2. Special hazards arising from the substa	nce or mixture
Hazardous decomposition products in case of fire	: Toxic fumes may be released.
5.3. Advice for firefighters	
Protection during firefighting	: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

6.1. Personal precautions, protective equip	
6.1.1. For non-emergency personnel Emergency procedures	: Ventilate spillage area.
6.1.2. For emergency responders	
Protective equipment	: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".
6.2. Environmental precautions	
Avoid release to the environment.	
6.3. Methods and material for containment a	and cleaning up
Methods for cleaning up	: Take up liquid spill into absorbent material.
Other information	: Dispose of materials or solid residues at an authorized site.
6.4. Reference to other sections	
For further information refer to section 13.	

SECTION 7: Handling and storage	ge
7.1. Precautions for safe handling	
Precautions for safe handling	: Ensure good ventilation of the work station. Wear personal protective equipment.
Hygiene measures	: Do not eat, drink or smoke when using this product. Always wash hands after handling the product.
7.2. Conditions for safe storage, inc	luding any incompatibilities
Storage conditions	: Store in a well-ventilated place. Keep cool.
7.3. Specific end use(s)	

No additional information available

SECTION 8: Exposure controls/personal protection
8.1. Control parameters
No additional information available
8.2. Exposure controls
Appropriate engineering controls:
Ensure good ventilation of the work station.
Hand protection:
Protective gloves
Eye protection:
Safety glasses
Skin and body protection:
Wear suitable protective clothing
Respiratory protection:
In case of insufficient ventilation, wear suitable respiratory equipment
Environmental exposure controls:

Avoid release to the environment.

(······································
SECTION 9: Physical and chemical	properties
9.1. Information on basic physical and c	hemical properties
Physical state	: Liquid
Colour	: No data available
Odour	: No data available
Odour threshold	: No data available
рН	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: Not applicable
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available
9.2. Other information	
No additional information available	

No additional information available

SECTION 10: Stability and reactivity
10.1. Reactivity
The product is non-reactive under normal conditions of use, storage and transport.
10.2. Chemical stability
Stable under normal conditions.
10.3. Possibility of hazardous reactions
No dangerous reactions known under normal conditions of use.
10.4. Conditions to avoid
None under recommended storage and handling conditions (see section 7).
10.5. Incompatible materials
No additional information available
10.6. Hazardous decomposition products
Hazardous decomposition products.

SECTION 11: Toxicological information 11.1. Information on toxicological effects Acute toxicity (oral)

This information on toxicological encote	
Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified
Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Not classified
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified

SECTION 12: Ecological information	
12.1. Toxicity	
Ecology - general	: The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.
Acute aquatic toxicity	: Not classified
Chronic aquatic toxicity	: Not classified
phosphoric acid, conc=85% (7664-38-2)	
LC50 fish 1	138 mg/l (Pisces, Pure substance)
12.2. Persistence and degradability	
phosphoric acid, conc=85% (7664-38-2)	
Persistence and degradability	Biodegradability: not applicable.
Chemical oxygen demand (COD)	Not applicable
ThOD	Not applicable
BOD (% of ThOD)	Not applicable
12.3. Bioaccumulative potential	
phosphoric acid, conc=85% (7664-38-2)	
Bioaccumulative potential	Does not contain bioaccumulative component(s).
I2.4. Mobility in soil	
phosphoric acid, conc=85% (7664-38-2)	
Ecology - soil	No (test)data on mobility of the components available.
12.5. Results of PBT and vPvB assessment	
No additional information available 12.6. Other adverse effects	
No additional information available	
SECTION 12: Disposed considerations	
SECTION 13: Disposal considerations 13.1. Waste treatment methods	
Waste treatment methods	: Waste treatment methods.
SECTION 14: Transport information	
14.1. UN number	
UN-No. (ADR)	: Not applicable
UN-No. (IMDG)	: Not applicable
UN-No. (IATA)	: Not applicable
UN-No. (ADN)	: Not applicable
UN-No. (RID)	: Not applicable

UN-No. (RID)	: Not applicable	
14.2. UN proper shipping name		
Proper Shipping Name (ADR)	: Not applicable	
Proper Shipping Name (IMDG)	: Not applicable	
Proper Shipping Name (IATA)	: Not applicable	
Proper Shipping Name (ADN)	: Not applicable	
Proper Shipping Name (RID)	: Not applicable	
14.3. Transport hazard class(es)		
ADR		
Transport hazard class(es) (ADR)	: Not applicable	
IMDG		
Transport hazard class(es) (IMDG)	: Not applicable	
ΙΑΤΑ		
Transport hazard class(es) (IATA)	: Not applicable	
ADN		
Transport hazard class(es) (ADN)	: Not applicable	
RID		
Transport hazard class(es) (RID)	: Not applicable	

NND Reagent E

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according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

14.4. Packing group	
Packing group (ADR)	: Not applicable
Packing group (IMDG)	: Not applicable
Packing group (IATA)	: Not applicable
Packing group (ADN)	: Not applicable
Packing group (RID)	: Not applicable
14.5. Environmental hazards	
Dangerous for the environment	: No
Marine pollutant	: No
Other information	: No supplementary information available
14.6. Special precautions for user	
Overland transport	
Not applicable	
Transport by sea	
Not applicable	
Air transport	
Not applicable	
Inland waterway transport	
Not applicable	
Rail transport	
Natappliable	

Not applicable

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code Not applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

Contains no substance subject to REGULATION (EU) No 649/2012 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 4 July 2012 concerning the export and import of hazardous chemicals.

Substance(s) are not subject to Regulation (EC) No 850/2004 of the European Parliament and of the Council of 29 April 2004 on persistent organic pollutants and amending Directive 79/117/EEC.

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Full text of H- and EUH-statements:	
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Skin Corr. 1B	Skin corrosion/irritation, Category 1B
Skin Irrit. 2	Skin corrosion/irritation, Category 2
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H319	Causes serious eye irritation.

Safety Data Sheet applicable for regions

: GB - United Kingdom

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.



NND Reagent F

Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

SECTION 1: Identification of th	
	e substance/mixture and of the company/undertaking
1.1. Product identifier	s substance/mixture and or the company/andertaking
Product form	: Mixture
Product name	: NND Reagent F
Product code	: 512N
Product group	: Trade product
5 1	
1.2. Relevant identified uses of the	substance or mixture and uses advised against
1.2.1. Relevant identified uses	
No additional information available	
1.2.2. Uses advised against	
No additional information available	
1.3. Details of the supplier of the s	afatu data shoot
Geno Technology, Inc./ G-Biosciences	alely uala sheel
9800 Page Avenue	
63132-1429 Saint Louis - United States	
T 800-628-7730 - F 314-991-1504	
technical@GBiosciences.com - www.GBi	
1.4. Emergency telephone number Emergency number	: Chemtrec 1-800-424-9300 (USA/Canada), +1-703-527-3887 (Intl)
Emergency number	. Chemilee 1-600-424-9300 (USA/Canada), +1-703-527-3667 (inu)
SECTION 2: Hazards identification	
2.1. Classification of the substanc	e or mixture
Classification according to Regulation	(EC) No. 1272/2008 [CLP]
Not classified	
Adverse physicochemical, human hea	
	present any particular risk, provided it is handled in accordance with good occupational hygiene and safety
practice. 2.2. Label elements	
2.2. Laber elements	
Labelling according to Regulation (EC	No. 1272/2008 [CLP]
No labelling applicable	
2.3. Other hazards	
No additional information available	
SECTION 3: Composition/infor	
	mation on ingredients
3.1. Substances	mation on ingredients
Not applicable	mation on ingredients
	mation on ingredients
Not applicable 3.2. Mixtures	
Not applicable 3.2. Mixtures	mation on ingredients
Not applicable 3.2. Mixtures This mixture does not contain any substa	nces to be mentioned according to the criteria of section 3.2 of REACH annex II
Not applicable 3.2. Mixtures This mixture does not contain any substa SECTION 4: First aid measures	nces to be mentioned according to the criteria of section 3.2 of REACH annex II
Not applicable 3.2. Mixtures This mixture does not contain any substa SECTION 4: First aid measures 4.1. Description of first aid measures	nces to be mentioned according to the criteria of section 3.2 of REACH annex II
Not applicable 3.2. Mixtures This mixture does not contain any substa SECTION 4: First aid measures 4.1. Description of first aid measures First-aid measures after inhalation	nces to be mentioned according to the criteria of section 3.2 of REACH annex II es : Remove person to fresh air and keep comfortable for breathing.
Not applicable 3.2. Mixtures This mixture does not contain any substance SECTION 4: First aid measures 4.1. Description of first aid measures First-aid measures after inhalation First-aid measures after skin contact	nces to be mentioned according to the criteria of section 3.2 of REACH annex II es : Remove person to fresh air and keep comfortable for breathing. : Wash skin with plenty of water.
Not applicable 3.2. Mixtures This mixture does not contain any substance SECTION 4: First aid measures 4.1. Description of first aid measures First-aid measures after inhalation First-aid measures after eye contact First-aid measures after eye contact	nces to be mentioned according to the criteria of section 3.2 of REACH annex II es : Remove person to fresh air and keep comfortable for breathing. : Wash skin with plenty of water. : Rinse eyes with water as a precaution.
Not applicable 3.2. Mixtures This mixture does not contain any substa SECTION 4: First aid measures 4.1. Description of first aid measures First-aid measures after inhalation First-aid measures after eye contact First-aid measures after eye contact First-aid measures after ingestion	nces to be mentioned according to the criteria of section 3.2 of REACH annex II es : Remove person to fresh air and keep comfortable for breathing. : Wash skin with plenty of water. : Rinse eyes with water as a precaution. : Call a poison center or a doctor if you feel unwell.
Not applicable 3.2. Mixtures This mixture does not contain any substance SECTION 4: First aid measures 4.1. Description of first aid measures 5.1. Description of first aid measures 6.1. Description of first aid measures 6.1. Description of first aid measures 7. Instead measure	nces to be mentioned according to the criteria of section 3.2 of REACH annex II es : Remove person to fresh air and keep comfortable for breathing. : Wash skin with plenty of water. : Rinse eyes with water as a precaution. : Call a poison center or a doctor if you feel unwell.
Not applicable 3.2. Mixtures This mixture does not contain any substance SECTION 4: First aid measures 4.1. Description of first aid measures 4.1. Description of first aid measures First-aid measures after inhalation First-aid measures after eye contact First-aid measures after eye contact First-aid measures after ingestion 4.2. Most important symptoms and No additional information available	nces to be mentioned according to the criteria of section 3.2 of REACH annex II res : Remove person to fresh air and keep comfortable for breathing. : Wash skin with plenty of water. : Rinse eyes with water as a precaution. : Call a poison center or a doctor if you feel unwell. I effects, both acute and delayed
Not applicable 3.2. Mixtures This mixture does not contain any substance SECTION 4: First aid measures 4.1. Description of first aid measures 4.1. Description of first aid measures First-aid measures after inhalation First-aid measures after eye contact First-aid measures after eye contact First-aid measures after ingestion 4.2. Most important symptoms and No additional information available 4.3. Indication of any immediate m	nces to be mentioned according to the criteria of section 3.2 of REACH annex II es : Remove person to fresh air and keep comfortable for breathing. : Wash skin with plenty of water. : Rinse eyes with water as a precaution. : Call a poison center or a doctor if you feel unwell.
Not applicable 3.2. Mixtures This mixture does not contain any substance SECTION 4: First aid measures 4.1. Description of first aid measures 4.1. Description of first aid measures First-aid measures after inhalation First-aid measures after eye contact First-aid measures after eye contact First-aid measures after ingestion 4.2. Most important symptoms and No additional information available	nces to be mentioned according to the criteria of section 3.2 of REACH annex II res : Remove person to fresh air and keep comfortable for breathing. : Wash skin with plenty of water. : Rinse eyes with water as a precaution. : Call a poison center or a doctor if you feel unwell. I effects, both acute and delayed
Not applicable 3.2. Mixtures This mixture does not contain any substance SECTION 4: First aid measures 4.1. Description of first aid measures 4.1. Description of first aid measures First-aid measures after inhalation First-aid measures after eye contact First-aid measures after eye contact First-aid measures after ingestion 4.2. Most important symptoms and No additional information available 4.3. Indication of any immediate measures Treat symptomatically.	nces to be mentioned according to the criteria of section 3.2 of REACH annex II res Remove person to fresh air and keep comfortable for breathing. Wash skin with plenty of water. Rinse eyes with water as a precaution. Call a poison center or a doctor if you feel unwell. Heffects, both acute and delayed edical attention and special treatment needed
Not applicable 3.2. Mixtures This mixture does not contain any substance SECTION 4: First aid measures 4.1. Description of first aid measures 4.1. Description of first aid measures First-aid measures after inhalation First-aid measures after eye contact First-aid measures after eye contact First-aid measures after ingestion 4.2. Most important symptoms and No additional information available 4.3. Indication of any immediate measures Treat symptomatically. SECTION 5: Firefighting measures	nces to be mentioned according to the criteria of section 3.2 of REACH annex II res Remove person to fresh air and keep comfortable for breathing. Wash skin with plenty of water. Rinse eyes with water as a precaution. Call a poison center or a doctor if you feel unwell. Heffects, both acute and delayed edical attention and special treatment needed
Not applicable 3.2. Mixtures This mixture does not contain any substance SECTION 4: First aid measures 4.1. Description of first aid measures 4.1. Description of first aid measures First-aid measures after inhalation First-aid measures after eye contact First-aid measures after eye contact First-aid measures after ingestion 4.2. Most important symptoms and No additional information available 4.3. Indication of any immediate measures Treat symptomatically.	nces to be mentioned according to the criteria of section 3.2 of REACH annex II res Remove person to fresh air and keep comfortable for breathing. Wash skin with plenty of water. Rinse eyes with water as a precaution. Call a poison center or a doctor if you feel unwell. Heffects, both acute and delayed edical attention and special treatment needed

5.2. Special hazards arising from the substance or mixture Hazardous decomposition products in case of fire : Toxic fumes may be released.

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according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830		
5.3. Advice for firefighters		
Protection during firefighting	: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.	
SECTION 6: Accidental release meas		
6.1. Personal precautions, protective equipment and emergency procedures		
6.1.1. For non-emergency personnel		
Emergency procedures	: Ventilate spillage area.	
6.1.2. For emergency responders		
Protective equipment	: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".	
6.2. Environmental precautions		
Avoid release to the environment.		
6.3. Methods and material for containmen	it and cleaning up	
Methods for cleaning up	: Take up liquid spill into absorbent material.	
Other information	: Dispose of materials or solid residues at an authorized site.	
6.4. Reference to other sections		
For further information refer to section 13.		

SECTION 7: Handling and storage	
7.1. Precautions for safe handling	
Precautions for safe handling	Ensure good ventilation of the work station. Wear personal protective equipment.
Hygiene measures	Do not eat, drink or smoke when using this product. Always wash hands after handling the product.
7.2. Conditions for safe storage, including any	y incompatibilities
Storage conditions	Store in a well-ventilated place. Keep cool.
7.3. Specific end use(s)	
No additional information available	
SECTION 8: Exposure controls/personal protection	
8.1. Control parameters	
No additional information available	
8.2. Exposure controls	
Appropriate engineering controls:	
Ensure good ventilation of the work station.	
Hand protection:	
Protective gloves	

Eye protection:

Safety glasses

Skin and body protection:

Wear suitable protective clothing

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

Environmental exposure controls:

Avoid release to the environment.

SECTION 9: Physical and chemical properties		
9.1. Information on basic physical and chemical properties		
Physical state	: Liquid	
Colour	: No data available	
Odour	: No data available	
Odour threshold	: No data available	
рН	: No data available	
Relative evaporation rate (butylacetate=1)	: No data available	
Melting point	: Not applicable	
Freezing point	: No data available	
Boiling point	: No data available	

Flash point	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available
9.2 Other information	

9.2. Other information No additional information available

SECTION 10: Stability and reactivity		
10.1. Reactivity		
The product is non-reactive under normal conditions of use, storage and transport.		
10.2. Chemical stability		
Stable under normal conditions.		
10.3. Possibility of hazardous reactions		
No dangerous reactions known under normal conditions of use.		
10.4. Conditions to avoid		
None under recommended storage and handling conditions (see section 7).		
10.5. Incompatible materials		
No additional information available		
10.6. Hazardous decomposition products		
Hazardous decomposition products.		

SECTION 11: Toxicological information	
11.1. Information on toxicological effects	
Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified
Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Not classified
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified

SECTION 12: Ecological information	
12.1. Toxicity	
Ecology - general	: The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.
Acute aquatic toxicity	: Not classified
Chronic aquatic toxicity	: Not classified
12.2. Persistence and degradability	
No additional information available	
12.3. Bioaccumulative potential	
No additional information available	
12.4. Mobility in soil	
No additional information available	
12.5. Results of PBT and vPvB assessment	
No additional information available	

12.6. Other adverse effects No additional information available

SECTION 13: Disposal considerations		
13.1. Waste treatment methods	Wheels has showed as the de-	
Waste treatment methods	: Waste treatment methods.	
SECTION 44. Transport information		
SECTION 14: Transport information In accordance with ADR / RID / IMDG / IATA / ADN		
14.1. UN number		
UN-No. (ADR)	: Not applicable	
UN-No. (IMDG)	: Not applicable	
UN-No. (IATA)	: Not applicable	
UN-No. (ADN)	: Not applicable	
UN-No. (RID)	: Not applicable	
14.2. UN proper shipping name		
Proper Shipping Name (ADR)	: Not applicable	
Proper Shipping Name (IMDG)	: Not applicable	
Proper Shipping Name (IATA)	: Not applicable	
Proper Shipping Name (ADN)	: Not applicable	
Proper Shipping Name (RID)	: Not applicable	
14.3. Transport hazard class(es)		
ADR		
Transport hazard class(es) (ADR)	: Not applicable	
IMDG		
Transport hazard class(es) (IMDG)	: Not applicable	
ΙΑΤΑ		
Transport hazard class(es) (IATA)	: Not applicable	
ADN		
Transport hazard class(es) (ADN)	: Not applicable	
RID		
	· Net applicable	
Transport hazard class(es) (RID)	: Not applicable	
14.4. Packing group Packing group (ADR)	: Not applicable	
Packing group (IMDG)	: Not applicable	
Packing group (IATA)	: Not applicable	
Packing group (ADN)	: Not applicable	
Packing group (RID)	: Not applicable	
14.5. Environmental hazards		
Dangerous for the environment	: No	
Marine pollutant	: No	
Other information	: No supplementary information available	
14.6. Special precautions for user		
Overland transport		
Not applicable		
Transport by sea		
Not applicable		
Air transport		
Not applicable		
Inland waterway transport		
Not applicable		
Rail transport		
Not applicable		
	Lof Marpol and the IBC Code	
14.7. Transport in bulk according to Annex II of Marpol and the IBC Code		

Not applicable

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SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

Contains no substance subject to REGULATION (EU) No 649/2012 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 4 July 2012 concerning the export and import of hazardous chemicals.

Substance(s) are not subject to Regulation (EC) No 850/2004 of the European Parliament and of the Council of 29 April 2004 on persistent organic pollutants and amending Directive 79/117/EEC.

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Safety Data Sheet applicable for regions

: GB - United Kingdom

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.