

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878 Reference number: C500B Issue date: 27.09.2023 Supersedes version of: 27.09.2023 Version: 1.0

1.1. Product identifier	
Product form Trade name	: Mixture : HYDROCHLORIC ACID 0.5 MOL/L (0.5N) FOR 1000 ML traceable to NIST
Product code	: C500B
Type of product	: Solution
1.2. Relevant identified uses of the subst	ance or mixture and uses advised against
1.2.1. Relevant identified uses	
Jse of the substance/mixture	: Laboratory chemicals, Manufacture of substances
1.2.2. Uses advised against	
No additional information available	
1.3. Details of the supplier of the safety d	ata sheet
LOBA CHEMIE PVT.LTD.	
107 Wode House Road, Jehangir Villa, Colaba	
400005 Mumbai INDIA	
T +91 22 6663 6663 - F +91 22 6663 6699	
nfo@lobachemie.com - www.lobachemie.com	
1.4. Emergency telephone number	
Emergency number	: + 91 22 6663 6663 (9:00am - 6:00 pm)
SECTION 2: Hazards identification	
2.1. Classification of the substance or mi	xture
Classification according to Regulation (EC) No	. 1272/2008 [CLP]
Skin corrosion/irritation, Category 1	H314
Specific target organ toxicity – Single exposure, C	ategory 3, H335
Respiratory tract irritation Full text of H- and EUH-statements: see section 1	6
Adverse physicochemical, human health and e	
May cause respiratory irritation. Causes severe sk	
	· ·
2.2. Label elements	
2.2. Label elements Labelling according to Regulation (EC) No. 127	72/2008 [CLP]
Labelling according to Regulation (EC) No. 127	72/2008 [CLP]
	72/2008 [CLP]
Labelling according to Regulation (EC) No. 127	72/2008 [CLP]
Labelling according to Regulation (EC) No. 127	72/2008 [CLP]
Labelling according to Regulation (EC) No. 127 Hazard pictograms (CLP)	GHS05 GHS07
Labelling according to Regulation (EC) No. 127 Hazard pictograms (CLP) Signal word (CLP)	: GHS05 GHS07 : Danger
Labelling according to Regulation (EC) No. 127 Hazard pictograms (CLP) Signal word (CLP) Contains	: GHS05 GHS07 : Danger : Hydrochloric acid
Labelling according to Regulation (EC) No. 127	: GHS05 GHS07 : Danger
Labelling according to Regulation (EC) No. 127 Hazard pictograms (CLP) Signal word (CLP) Contains	: GHS05 GHS07 : Danger : Hydrochloric acid : H314 - Causes severe skin burns and eye damage.

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P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.

Nordic countries regulation

Denmark MAL code

: 00-3 (Executive Order No. 301 (1993))

2.3. Other hazards

Contains no PBT/vPvB substances ≥ 0.1% assessed in accordance with REACH Annex XIII

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Water	CAS-No.: 7732-18-5 EC-No.: 231-791-2	75 – 80	Not classified
Hydrochloric acid	CAS-No.: 7647-01-0 EC-No.: 231-595-7 EC Index-No.: 017-002-01-X	20 – 25	Skin Corr. 1B, H314 STOT SE 3, H335

Full text of H- and EUH-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures	
First-aid measures general	: Call a physician immediately.
First-aid measures after inhalation	Remove person to fresh air and keep comfortable for breathing. Allow affected person to breathe fresh air. If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a poison center or a doctor if you feel unwell.
First-aid measures after skin contact	Wash with plenty of water/ Wash contaminated clothing before reuse. Get medical advice/attention. Rinse skin with water/shower. Take off immediately all contaminated clothing. Call a physician immediately.
First-aid measures after eye contact	: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical advice/attention. Call a physician immediately.
First-aid measures after ingestion	: Rinse mouth. Do not induce vomiting. Get medical advice/attention. Call a physician immediately.
4.2. Most important symptoms and effe	cts, both acute and delayed
Symptoms/effects after inhalation Symptoms/effects after skin contact Symptoms/effects after eye contact Symptoms/effects after ingestion	 May cause respiratory irritation. Causes skin irritation. Burns. Causes serious eye irritation. Serious damage to eyes. Burns.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

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

SECTION 6: Accidental release measures		
6.1. Personal precautions, protective equ	ipment and emergency procedures	
6.1.1. For non-emergency personnel		
Emergency procedures	: Ventilate spillage area. Evacuate unnecessary personnel. Avoid contact with skin and eyes. Do not breathe dust/fume/gas/mist/vapours/spray.	
6.1.2. For emergency responders		
Protective equipment	: Do not attempt to take action without suitable protective equipment. Use personal protective equipment as required. For further information refer to section 8: "Exposure controls/personal protection".	
Emergency procedures	: Ventilate area.	
6.2. Environmental precautions		
Avoid release to the environment.		
6.3. Methods and material for containmer	nt and cleaning up	
Methods for cleaning up	: Take up liquid spill into absorbent material. On land, sweep or shovel into suitable containers. Collect spillage.	
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 contact with skin and eyes. Do not breathe vapours. Use only outdoors or in a well-	

Precautions for safe handling	: Avoid contact with skin and eyes. Do not breathe vapours. Use only outdoors or in a well-
	ventilated area. Do not breathe dust/fume/gas/mist/vapours/spray. Wear personal protective
	equipment.
Hygiene measures	: Wash hands and other exposed areas with mild soap and water before eating, drinking or
	smoking and when leaving work. Wash contaminated clothing before reuse. Do not eat,

	drink or smoke when using this product. Always wash hands after handling the product.
7.2. Conditions for safe storage, including an	y incompatibilities
Storage conditions :	Store in a well-ventilated place. Keep container tightly closed. Store locked up. Store in a well-ventilated place. Keep container tightly closed. Keep cool.
7.3. Specific end use(s)	

No additional information available

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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1 National occupational exposure and biological limit values

No additional information available

8.1.2. Recommended monitoring procedures

No additional information available

8.1.3. Air contaminants formed

No additional information available

8.1.4. DNEL and PNEC

No additional information available

8.1.5. Control banding

No additional information available

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Appropriate engineering controls: Ensure good ventilation of the work station.

8.2.2. Personal protection equipment

Personal protective equipment symbol(s):



8.2.2.1. Eye and face protection

Eye protection: Chemical goggles or safety glasses

8.2.2.2. Skin protection

Skin and body protection: Wear a mask

Hand protection: Protective gloves

8.2.2.3. Respiratory protection

Respiratory protection: Wear appropriate mask

8.2.2.4. Thermal hazards

No additional information available

8.2.3. 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 Colour : Liquid : Colourless.

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Appearance Odour	: Clear liquid.
Odour threshold	: Pungent. : Not available
Melting point	: Not applicable
Freezing point	: Not available
Boiling point	: Not available
Flammability	: Non flammable.
Lower explosion limit	: Not available
Upper explosion limit	: Not available
Flash point	: Not available
Auto-ignition temperature	: Not available
Decomposition temperature	: Not available
рН	: < 1 at 20°C
Viscosity, kinematic	: Not available
Solubility	: Water: Miscible
Partition coefficient n-octanol/water (Log Kow)	: Not available
Vapour pressure	: Not available
Vapour pressure at 50 °C	: Not available
Density	: ≈ 1,1 g/cm³ at 20°C
Relative density	: Not available
Relative vapour density at 20 °C	: Not available
Particle characteristics	: Not applicable

9.2. Other information

9.2.1. Information with regard to physical hazard classes

No additional information available

9.2.2. Other safety characteristics

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

Direct sunlight. Overheating. Open flame.

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity (oral) Acute toxicity (dermal)

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Acute toxicity (inhalation)	: Not classified
Skin corrosion/irritation	: Causes severe skin burns. pH: < 1 at 20°C
Serious eye damage/irritation	: Assumed to cause serious eye damage pH: < 1 at 20°C
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: May cause respiratory irritation.
Hydrochloric acid (7647-01-0)	
STOT-single exposure	May cause respiratory irritation.
STOT-repeated exposure	Not classified
Aspiration hazard	: Not classified

11.2. Information on other hazards

No additional information available

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general Hazardous to the aquatic environment, short–term (acute) Hazardous to the aquatic environment, long–term (chronic)	 Before neutralisation, the product may represent a danger to aquatic organisms. Not classified 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. Endocrine disrupting properties	
No additional information available	
12.7. Other adverse effects	
No additional information available	

SECTION 13: Disposal considerations	
13.1. Waste treatment methods	
Waste treatment methods	: Dispose of contents/container in accordance with licensed collector's sorting instructions.

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SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / ADN / RID

14.1. UN number or ID number	
UN-No. (ADR) UN-No. (IMDG) UN-No. (IATA) UN-No. (ADN) UN-No. (RID)	 : UN 1789
14.2. UN proper shipping name	
Proper Shipping Name (ADR) Proper Shipping Name (IMDG) Proper Shipping Name (IATA) Proper Shipping Name (ADN) Proper Shipping Name (RID) Transport document description (ADR) Transport document description (IMDG) Transport document description (IATA) Transport document description (ADN) Transport document description (RID)	 HYDROCHLORIC ACID HYDROCHLORIC ACID Hydrochloric acid HYDROCHLORIC ACID HYDROCHLORIC ACID UN 1789 HYDROCHLORIC ACID, 8, III, (E) UN 1789 HYDROCHLORIC ACID, 8, III

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) Danger labels (ADR)



: 8

: 8 :

IMDG

Transport hazard class(es) (IMDG) Danger labels (IMDG)

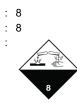
ΙΑΤΑ

Transport hazard class(es) (IATA) Danger labels (IATA)

ADN

Transport hazard class(es) (ADN) Danger labels (ADN)





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RID	
Transport hazard class(es) (RID)	: 8
Danger labels (RID)	: 8
	:
	8
	•
14.4. Packing group	
Packing group (ADR)	: 111
Packing group (IMDG)	: III
Packing group (IATA)	: III
Packing group (ADN)	: III
Packing group (RID)	: III
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	
Classification code (ADR)	: C1
Special provisions (ADR)	: 520
Limited quantities (ADR)	: 5
Excepted quantities (ADR)	: E1
Packing instructions (ADR)	: P001, IBC03, LP01, R001
Mixed packing provisions (ADR)	: MP19
Portable tank and bulk container instructions (ADR)	: T4
Portable tank and bulk container special provisions	: TP1
(ADR)	
Tank code (ADR)	: L4BN
Tank special provisions (ADR)	: TU42
Vehicle for tank carriage	: AT
Transport category (ADR)	: 3
Special provisions for carriage - Packages (ADR)	: V12
Hazard identification number (Kemler No.)	: 80
Orange plates	⁻ 80
	1789
Tunnel restriction code (ADR)	: E
EAC code	· E : 2R
	. 21
Transport by sea	
Special provisions (IMDG)	: 223
Limited quantities (IMDG)	: 5L
Excepted quantities (IMDG)	: E1
Packing instructions (IMDG)	: P001, LP01
IBC packing instructions (IMDG)	: IBC03
Tank instructions (IMDG)	: T4
Tank special provisions (IMDG)	: TP1
EmS-No. (Fire)	: F-A
EmS-No. (Spillage)	: S-B
Stowage category (IMDG)	: C
Segregation (IMDG)	: SGG1A, SG36, SG49 : Colourloss liquid An aqueous colution of the gas hydrogen chloride. Highly corrective to
Properties and observations (IMDG)	: Colourless liquid. An aqueous solution of the gas hydrogen chloride. Highly corrosive to most metals. Causes burns to skin, eves and mucous membranes.
MFAG-No	most metals. Causes burns to skin, eyes and mucous membranes. : 157
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Air 1	transport
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PCA Excepted quantities (IATA) PCA Limited quantities (IATA)	: E1 : Y841
PCA limited quantity max net quantity (IATA)	: 1L
PCA packing instructions (IATA)	: 852
PCA max net quantity (IATA)	: 5L
CAO packing instructions (IATA)	: 856
CAO max net quantity (IATA)	: 60L
Special provisions (IATA)	: A3, A803
ERG code (IATA)	: 8L
Inland waterway transport	
Classification code (ADN)	: C1
Special provisions (ADN)	: 520
Limited quantities (ADN)	: 5 L
Excepted quantities (ADN)	: E1
Carriage permitted (ADN)	: T
Equipment required (ADN)	: PP, EP
Number of blue cones/lights (ADN)	: 0
Rail transport	
Classification code (RID)	: C1
Special provisions (RID)	: 520
Limited quantities (RID)	: 5L
Excepted quantities (RID)	: E1
Packing instructions (RID)	: P001, IBC03, LP01, R001
Mixed packing provisions (RID)	: MP19
Portable tank and bulk container instructions (RID)	: T4
Portable tank and bulk container special provisions	: TP1
(RID)	
Tank codes for RID tanks (RID)	: L4BN
Special provisions for RID tanks (RID)	: TU42
Transport category (RID)	: 3
Special provisions for carriage – Packages (RID)	: W12
Colis express (express parcels) (RID)	: CE8
Hazard identification number (RID)	: 80

14.7. Maritime transport in bulk according to IMO instruments

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

REACH Annex XVII (Restriction List)

EU restriction list (REACH Annex XVII)	
Reference code	Applicable on
3(b)	HYDROCHLORIC ACID 0.5 MOL/L (0.5N) FOR 1000 ML traceable to NIST

REACH Annex XIV (Authorisation List)

Contains no REACH Annex XIV substances

REACH Candidate List (SVHC)

Contains no substance on the REACH candidate list

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PIC Regulation (Prior Informed Consent)

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.

POP Regulation (Persistent Organic Pollutants)

Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

Ozone Regulation (1005/2009)

Contains no substance subject to REGULATION (EU) No 1005/2009 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 September 2009 on substances that deplete the ozone layer.

Explosives Precursors Regulation (2019/1148)

Contains no substance subject to Regulation (EU) 2019/1148 of the European Parliament and of the Council of 20 June 2019 on the marketing and use of explosives precursors.

Drug Precursors Regulation (273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on drug precursors)

15.1.2. National regulations

France

Occupational diseases	
Code	Description
RG 66	Occupational rhinitis and asthma

Germany

Water hazard class (WGK) Hazardous Incident Ordinance (12. BImSchV)	 WGK 1, Slightly hazardous to water (Classification according to AwSV, Annex 1). Is not subject of the Hazardous Incident Ordinance (12. BImSchV)
Netherlands	
SZW-lijst van kankerverwekkende stoffen	: None of the components are listed
SZW-lijst van mutagene stoffen	: None of the components are listed
SZW-lijst van reprotoxische stoffen – Borstvoedir	ng : None of the components are listed
SZW-lijst van reprotoxische stoffen –	: None of the components are listed
Vruchtbaarheid	
SZW-lijst van reprotoxische stoffen – Ontwikkelin	g : None of the components are listed
Denmark	
MAL code	: 00-3 (Executive Order No. 301 (1993))
Danish National Regulations	: Young people below the age of 18 years are not allowed to use the product

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Indication of changes			
Section	Changed item	Change	Comments
	Supersedes version of	Modified	
	Issue date	Modified	
	Revision date	Modified	
	Flammability	Added	
	UN-No. (RID)	Added	
	Number of blue cones/lights (ADN)	Added	

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Indication of cl	hanges		
Section	Changed item	Change	Comments
	Equipment required (ADN)	Added	
	Carriage permitted (ADN)	Added	
	Excepted quantities (ADN)	Added	
	Limited quantities (ADN)	Added	
	Danger labels (ADN)	Added	
	Classification code (ADN)	Added	
	Proper Shipping Name (RID)	Added	
	Hazard identification number (RID)	Added	
	Colis express (express parcels) (RID)	Added	
	Special provisions for carriage – Packages (RID)	Added	
	Transport category (RID)	Added	
	Special provisions for RID tanks (RID)	Added	
	Tank codes for RID tanks (RID)	Added	
	Portable tank and bulk container special provisions (RID)	Added	
	Portable tank and bulk container instructions (RID)	Added	
	Mixed packing provisions (RID)	Added	
	Packing instructions (RID)	Added	
	Excepted quantities (RID)	Added	
	Limited quantities (RID)	Added	
	Special provisions (RID)	Added	
	Packing group (RID)	Added	
	Classification code (RID)	Added	
	Segregation (IMDG)	Added	
	Tank special provisions (ADR)	Added	
	Properties and observations (IMDG)	Added	
	Special provisions (IATA)	Added	
	Type of product	Added	
	Flash point (IMDG)	Added	
	Regulatory framework	Added	
	ERG code (IATA)	Added	
	CAO max net quantity (IATA)	Added	
	CAO packing instructions (IATA)	Added	
	PCA max net quantity (IATA)	Added	
	PCA packing instructions (IATA)	Added	
	PCA limited quantity max net quantity (IATA)	Added	

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Indication of cl	hanges		
Section	Changed item	Change	Comments
	PCA Limited quantities (IATA)	Added	
	PCA Excepted quantities (IATA)	Added	
	Danger labels (IATA)	Added	
	Proper Shipping Name (IATA)	Added	
	Proper Shipping Name (IMDG)	Added	
	Danger labels (IMDG)	Added	
	EmS-No. (Spillage)	Added	
	EmS-No. (Fire)	Added	
	Limited quantities (IMDG)	Added	
	Stowage category (IMDG)	Added	
	Tank special provisions (IMDG)	Added	
	Tank instructions (IMDG)	Added	
	IBC packing instructions (IMDG)	Added	
	Excepted quantities (IMDG)	Added	
	Special provisions (IMDG)	Added	
1.1	Trade name	Added	
1.2	Use of the substance/mixture	Added	
1.2	Use of the substance/mixture	Added	
2.1	Adverse physicochemical, human health and environmental effects	Added	
2.1	Classification according to Regulation (EC) No. 1272/2008 [CLP]	Modified	
2.2	Precautionary statements (CLP)	Modified	
2.2	Hazard pictograms (CLP)	Modified	
2.2	Hazard statements (CLP)	Modified	
2.2	Signal word (CLP)	Modified	
3	Composition/information on ingredients	Modified	
4.1	First-aid measures general	Added	
4.1	First-aid measures after inhalation	Added	
4.1	First-aid measures after ingestion	Added	
4.1	First-aid measures after eye contact	Added	
4.1	First-aid measures after skin contact	Added	
4.2	Symptoms/effects after ingestion	Added	
4.2	Symptoms/effects after inhalation	Added	
4.2	Symptoms/effects after eye contact	Added	
4.2	Symptoms/effects after skin contact	Added	
4.3	Other medical advice or treatment	Added	

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Indication of changes			
Indication of changes			
Section	Changed item	Change	Comments
5.1	Suitable extinguishing media	Added	
5.1	Unsuitable extinguishing media	Added	
5.2	Hazardous decomposition products in case of fire	Added	
5.3	Protection during firefighting	Added	
6.1	Protective equipment	Added	
6.1	Emergency procedures	Added	
6.1	Emergency procedures	Added	
6.2	Environmental precautions	Added	
6.3	Other information	Added	
6.3	Methods for cleaning up	Added	
6.4	Reference to other sections (8, 13)	Added	
7.1	Precautions for safe handling	Added	
7.1	Hygiene measures	Added	
7.2	Storage conditions	Added	
8.2	Eye protection	Added	
8.2	Environmental exposure controls	Added	
8.2	Appropriate engineering controls	Added	
8.2	Respiratory protection	Added	
8.2	Skin and body protection	Added	
8.2	Hand protection	Added	
9.1	Melting point	Added	
9.1	рН	Added	
9.1	Appearance	Added	
9.1	Solubility in water	Modified	
9.1	Density	Modified	
9.1	Odour	Modified	
9.1	Colour	Modified	
10.1	Reactivity	Added	
10.2	Chemical stability	Added	
10.3	Possibility of hazardous reactions	Added	
10.4	Conditions to avoid	Added	
10.6	Hazardous decomposition products	Added	
12.1	Ecology - general	Added	
13.1	Waste treatment methods	Added	
14.1	UN-No. (ADN)	Added	
14.1	UN-No. (IMDG)	Added	

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Indication of changes				
Section	Changed item	Change	Comments	
14.2	Proper Shipping Name (ADN)	Added		
14.3	Danger labels (RID)	Added		
14.3	Danger labels (ADR)	Added		
14.4	Packing group (ADN)	Added		
14.4	Packing group (IATA)	Added		
14.4	Packing group (IMDG)	Added		
14.6	Special provisions (ADN)	Added		
14.6	Packing instructions (IMDG)	Added		
15.1	REACH Annex XVII	Added		
15.2	Chemical safety assessment	Added		
16	Abbreviations and acronyms	Added		

Abbreviations and acronyms:		
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways	
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road	
ATE	Acute Toxicity Estimate	
BCF	Bioconcentration factor	
BLV	Biological limit value	
BOD	Biochemical oxygen demand (BOD)	
COD	Chemical oxygen demand (COD)	
DMEL	Derived Minimal Effect level	
DNEL	Derived-No Effect Level	
EC-No.	European Community number	
EC50	Median effective concentration	
EN	European Standard	
IARC	International Agency for Research on Cancer	
ΙΑΤΑ	International Air Transport Association	
IMDG	International Maritime Dangerous Goods	
LC50	Median lethal concentration	
LD50	Median lethal dose	
LOAEL	Lowest Observed Adverse Effect Level	
NOAEC	No-Observed Adverse Effect Concentration	
NOAEL	No-Observed Adverse Effect Level	
NOEC	No-Observed Effect Concentration	
OECD	Organisation for Economic Co-operation and Development	
OEL	Occupational Exposure Limit	
РВТ	Persistent Bioaccumulative Toxic	

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Abbreviations and acronyms:	
PNEC	Predicted No-Effect Concentration
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
SDS	Safety Data Sheet
STP	Sewage treatment plant
ThOD	Theoretical oxygen demand (ThOD)
TLM	Median Tolerance Limit
VOC	Volatile Organic Compounds
CAS-No.	Chemical Abstract Service number
N.O.S.	Not Otherwise Specified
vPvB	Very Persistent and Very Bioaccumulative
ED	Endocrine disrupting properties

Full text of H- and EUH-statements:	
H314	Causes severe skin burns and eye damage.
H335	May cause respiratory irritation.
Skin Corr. 1B	Skin corrosion/irritation, Category 1, Sub-Category 1B
STOT SE 3	Specific target organ toxicity – Single exposure, Category 3, Respiratory tract irritation

Safety Data Sheet (SDS), EU

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.