

HAND SANITIZER

Initially prepared: 23.03.2020

Revised:

Version: 1.0

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier** HAND SANITIZER**Product article****1.2. Relevant identified uses of the substance or mixture and uses advised against**

Disinfectant - hand cleaner

Sector of use [SU]:

SU21 - Consumer uses: Private households (= general public = consumers)

SU22 - Professional uses: Public domain (administration, education, entertainment, services, craftsmen)

Chemical Product Category [PC]:

PC8 - Biocidal products (e.g. Disinfectants, pest control)

PC35 - Washing and cleaning products (including solvent based products)

Process Categories [PROC]:

PROC 8a - Transfer of substance or mixture (charging / discharging) from/ to vessels/ large containers at non-dedicated facilities

PROC 9 - Transfer of substance or mixture into small containers (dedicated filling line, including weighing)

PROC 19 - Hand-mixing with intimate contact and only PPE available.

Article categories [AC]:

AC99 – Not required

Environmental Release Category [ERC]:

ERC 1 - Manufacture of substances

ERC 2 - Formulation of preparations

ERC 4 - Industrial use of processing aids in processes and products, not becoming part of articles

ERC 6a - Industrial use resulting in manufacture of another substance (use of intermediates)

Biocidal product-types and their descriptions as referred to in Article 2 (1), Regulation (EU) No. 528/2012 (Annex V):

Main Group 1: Disinfectants

Product-type 1: Human hygiene

Uses advised against

Information not available at present.

1.3. Details of the supplier of the safety data sheet**Manufacturer:****SIA NORTHMED**

Kengaraga street 10a, LV-1063, Riga, Latvia

Phone:

+371 28385977

Fax:

-

Qualified person's e-mail address: info@northmed.eu**Website:**

www.northmed.eu

1.4. Emergency telephone number

State fire and rescue service: 112

State Police: 110

Emergency medical service: 113

Poison and Medicine Information Centre of the State Toxicology and Sepsis Clinic (Hipokrāta iela 2, Riga, Latvia, LV-1079): +371 67042473

SECTION 2: Hazards identification**2.1. Classification of the substance or mixture****Classification in accordance with Regulation (EC) No. 1272/2008 (CLP):**

Flam Liq. 2, H225. Eye Irrit. 2, H319.

2.2. Label elements**Labelling in accordance with Regulation (EC) No. 1272/2008 (CLP):**

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Hazard pictograms:**Signal word:** Danger**Hazard statements:**

H225 Highly flammable liquid and vapour.

H319 Causes serious eye irritation.

Precautionary statements:**General**

P102 Keep out of reach of children.

PreventionP210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.
No smoking.

P233 Keep container tightly closed.

P240 Ground/bond container and receiving equipment.

P241 Use explosion-proof [electrical/ventilating/lighting/...] equipment.

P242 Use non-sparking tools.

P243 Take action to prevent static discharges.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

ReactionP303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing.
Rinse skin with water [or shower].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.

P370+P378 In case of fire: Use water spray, alcohol resistant foam, dry chemicals, CO2 to
extinguish.**Storage**

P403+P233 Store in a well-ventilated place. Keep container tightly closed.

Disposal

P501 Dispose of the content/container in accordance with local regulations.

Contains: perfumes**Active substance:** ethanol, denaturated 70%, CAS No. 64-17-5, EC No. 200-578-6**2.3. Other hazards**

The mixture does not contain vPvB or PBT substances or substances included in Annex XIII of Regulation 1907/2006 (REACH).

SECTION 3: Composition/information on ingredients**3.1. Substances**

Not relevant.

3.2. Mixtures

Ingredients:	CAS No.	EINECS No.	REACH Registration Number	Concentration, weight %	Classification
Ethanol	64-17-5	200-578-6	01-2119457610-43-xxxx	≤ 70	Flam Liq.2, H225 Eye Irrit. 2, H319
Propan-2-ol, isopropanol	67-63-0	200-661-7	01-2119457558-25-xxxx	< 1	Flam Liq.2, H225 Eye Irrit. 2, H319 STOT SE 3, H336
Butanone, ethyl methyl ketone	78-93-3	201-159-0	01-2119457290-43-xxxx	< 1	Flam Liq.2, H225 Eye Irrit. 2, H319 STOT SE 3, H336

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Denatonium benzoate, N-benzyl-2-[(2,6-dimethylphenyl)amino]-N,N-diethyl-2-oxoethanaminium benzoate hydrate	3734-33-6	223-095-2	Information about registration is not available	< 1	Acute Tox. 4, H302 Aquatic Acute 3, H412
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For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

Skin contact:

Take off all polluted clothing and footwear. Rinse skin with a large amount of water or take shower. If symptoms develop, seek medical attention.

Eye contact:

Immediately rinse eyes with a large amount of water for 10 - 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately seek medical attention.

Ingestion:

Immediately give a victim to drink a large amount of water (minimum two glasses). Cause vomiting (only if person is conscious). Seek medical attention, if there are any complaints.

Inhalation:

Move the victim to fresh air and provide comfortable breathing.

4.2. Most important symptoms and effects, both acute and delayed

Irritating effect, nausea, vomiting, breathing paralysis, dizziness, euphoria, narcosis. Prolonged inhalation of vapour may cause narcotic effect.

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

Laxative: Sodium sulphate (1 tablespoon to 1/4 l water). After swallowing of large amounts: Gastric lavage.

SECTION 5: Fire-fighting measures

5.1. Extinguishing media

Suitable extinguishing media

Use water spray, alcohol resistant foam, dry chemicals, CO₂.

Non-suitable extinguishing media

Not determined.

5.2. Special hazards arising from the substance or mixture

Flammable. Volatile. Burning with dull blue flame. Vapours are heavier than air and may spread along floors, flashback is possible. Forms explosive vapour/air mixtures at ambient temperatures. Development of hazardous combustion gases or vapours possible in the event of fire.

5.3. Advice for fire fighters

Protection during firefighting

Wear self-contained breathing apparatus. Complete protective clothing.

Other information

Remove containers from danger zone and cool with water. Prevent fire extinguishing water from contaminating surface water or the ground water system. Suppress (knock down) gases/vapours/mists with a water spray jet.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Do not breathe vapours, aerosols. Avoid contact with the mixture. Ensure adequate ventilation. Keep away from heat and sources of ignition. Evacuate the danger area, observe emergency procedures, consult an expert.

6.1.2. For emergency responders

For personal protective equipment refer to Section 8.

6.2. Environmental precautions

Immediately inform the responsible environmental services about the accident. Avoid release of a large volume of the product to the sewage system. Explosion hazard.

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6.3. Methods and material for containment and cleaning up**Large spillages:**

Take up with inert liquid-absorbent material material, for example, clay or diatomaceous earth. Shovel or sweep up and put in a closed container for disposal. Rinse contaminated area with water.

Small quantities of liquid spill:

Take up in non-combustible absorbent material and shovel into container for disposal. Rinse contaminated area with water.

6.4. Reference to other sections

For personal protective equipment refer to Section 8. For waste disposal refer to Section 13.

SECTION 7: Handling and storage**7.1. Precautions for safe handling****Precautions for safe handling**

Follow the general regulations for safe handling of aerosol cans. Keep away from heat and fire. Do not press, cut, heat or weld cans with product. Empty can contain product remains.

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 incompatibilities

Keep container tightly closed in a dry and well-ventilated place. Store in a cool place.

7.3. Specific end use(s)

See information in Section 1.2.

SECTION 8: Exposure controls/personal protection**8.1 Control parameters**

Occupational exposure limit values:

Ingredients:	8 h OEL mg/m ³	8 h OEL ppm	15 min. OEL mg/m ³	15 min. OEL ppm	Notes
Ethanol (CAS 64-17-5)	1000	-	-	-	-
Propan-2-ol (CAS 67-63-0)	350	-	600	-	-
Butanone (CAS 78-93-3)	200	67	900	300	-

OEL – Occupational exposure limit values in compliance with Cabinet Regulations No. 325, 15.05.2007, Annex 1

Derived No Effect Levels (DNEL):**Ethanol (CAS 64-17-5)**

Area of application	Effect type	Exposure route	Value
Workers	Acute, local effect	Inhalation	1900 mg/m ³
Workers	Long-term, systemic effect	Dermal	343 mg/kg body weight
Workers	Long-term, systemic effect	Inhalation	950 mg/m ³
Consumers	Acute, local effect	Inhalation	950 mg/m ³
Consumers	Long-term, systemic effect	Dermal	206 mg/kg body weight
Consumers	Long-term, systemic effect	Inhalation	114 mg/m ³
Consumers	Long-term, systemic effect	Ingestion	87 mg/kg body weight

Propan-2-ol (CAS 67-63-0)

Area of application	Effect type	Exposure route	Value
Workers	Long-term, systemic effect	Inhalation	500 mg/m ³
Workers	Long-term, systemic effect	Dermal	888 mg/kg body weight
Consumers	Long-term, systemic effect	Inhalation	89 mg/m ³
Consumers	Long-term, systemic effect	Dermal	319 mg/kg body weight
Consumers	Long-term, systemic effect	Ingestion	26 mg/kg body weight

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Butanone (CAS 78-93-3)			
Area of application	Effect type	Exposure route	Value
Workers	Long-term, systemic effect	Dermal	1161 mg/kg body weight
Workers	Long-term, systemic effect	Inhalation	600 mg/m ³
Consumers	Long-term, systemic effect	Dermal	412 mg/kg body weight
Consumers	Long-term, systemic effect	Inhalation	106 mg/m ³
Consumers	Long-term, systemic effect	Ingestion	31 mg/kg body weight

Paredzētās beziedarbības koncentrācijas (PNEC):

Ethanol (CAS 64-17-5)	
Environmental compartment	Threshold level
Fresh water	0,96 mg/l
Marine water	0,79 mg/l
Sediment, freshwater	3,6 mg/kg
Soil	0,63 mg/kg
Aquatic intermittent release	2,75 mg/l
Sewage treatment plants (STP)	580 mg/l
Oral	720 mg/kg

Propan-2-ol (CAS 67-63-0)	
Environmental compartment	Threshold level
Fresh water	140.9 mg/l
Marine water	140.9 mg/l
Sediment, freshwater	3,6 mg/kg
Soil	28 mg/kg dry weight
Aquatic intermittent release	140.9 mg/l

Butanone (CAS 78-93-3)	
Environmental compartment	Threshold level
Fresh water	55.8 mg/l
Marine water	55.8 mg/l
Sediment, freshwater	284.74 mg/kg
Sediment, marine water	287.7 mg/kg
Soil	22.5 mg/kg

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Technical measures: Ensure good ventilation at the work place.

8.2.2. Individual protection measures, such as personal protective equipment

Eye/face protection: Use safety goggles (EN 166).

Hand protection: Protective gloves (EN 374).

For full contact: butyl-rubber gloves, thickness 0.7 mm, break through time > 480 min.

For protection against splash contact: nitrile rubber gloves, thickness 0.4 mm, break through time > 120 min.

Body protection: Anti-static protective clothing (EN ISO 20345).

Respiratory protection: For normal use, not required. In case of insufficient ventilation respiratory protective devices required.

Thermal hazards: Not relevant.

Hygienic measures: General exposure control and hygiene measures for the handling of chemicals are applicable in work with product. Wash hands before breaks and at the end of the work.

8.2.3. Environmental exposure controls

Prevent discharge of the product into the environment.

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SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

a) appearance:	Colourless liquid.
b) odour:	Like alcohol.
c) odour threshold:	0,1 - 5058.5 ppm (ethanol)
d) pH-value:	7 at 20 °C
e) melting point/freezing point:	-114.5 °C (ethanol)
f) initial boiling point and boiling range:	78 °C (ethanol)
g) flash point:	12 °C, method: c.c. (ethanol)
h) evaporation rate (water=1):	No data available.
i) flammability (solid, gas):	Not applicable.
j) upper/lower flammability or explosive limits:	
lower explosive limit:	3.5 vol. %
upper explosive limit:	15 vol. %
k) vapour pressure:	59 hPa at 20 °C (ethanol)
l) vapour density (air=1):	No data available.
m) relative density:	0.79 g/cm ³
n) solubility:	Soluble in any proportion.
o) partition coefficient: n-octanol/water:	log KOW -0,31
p) auto-ignition temperature:	425 °C (DIN 51794)
q) decomposition temperature:	No data available.
r) viscosity:	No data available.
kinematic:	No data available.
dynamic:	1,2 mPa s at 20 °C
s) explosive properties:	Product is not explosive.
t) oxidising properties:	No data available.

9.2. Other information

No other relevant information available.

SECTION 10: Stability and reactivity**10.1. Reactivity**

Vapours may form explosive mixture with air.

10.2. Chemical stability

The product is chemically stable under standard environment conditions (room temperature).

10.3. Possibility of hazardous reactionsRisk of explosion/exothermic reaction with:

hydrogen peroxide, perchlorates, perchloric acid, nitric acid, mercury (II) nitrate, permanganic acid, nitriles, peroxi compounds, strong oxidizing agents, nitroaryl compounds, peroxides, sodium, potassium, halogen oxides, calcium hypochlorite, nitrogen dioxide, metallic oxides, uranium hexafluoride, iodides, chlorine, alkali metals, alkaline earth metals, alkali oxides, ethylene oxide, silver with nitric acid, silver compounds with ammonia, potassium permanganate with conc. sulfuric acid

Risk of ignition or formation of inflammable gases or vapours with:

halogen-halogen compounds, chromium(VI) oxide, chromyl chloride, fluorine, hydrides, oxides of phosphorus, platinum, nitric acid, with, potassium permanganate

10.4. Conditions to avoid

Heating.

10.5. Incompatible materials

Rubber, various plastics.

10.6. Hazardous decomposition products

Prevent discharge of large volumes of the product into the sewage. Explosion hazard.

SECTION 11: Toxicological information**11.1. Information on toxicological effects**

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a) acute toxicity

Not considered as acute toxic.

Information about the mixture components:**Ethanol (CAS 64-17-5)****Acute toxicity:**

LD50: 7060 mg/kg (rat, oral)

LC50: 95.6 mg/l/4 h (rat, inhalation)

Propan-2-ol (CAS 67-63-0)**Acute toxicity:**

LD50: 5.045 mg/kg (rat, oral)

LD50: 12.800 mg/kg (rabbit, dermal)

LC50: 37.5 mg/l/4 h (rat, inhalation)

b) skin corrosion/irritation

No data available regarding the skin irritation effect of the mixture or components.

c) serious eye damage/ irritation

Causes serious eye irritation.

d) respiratory or skin sensitization

No data available regarding sensitizing effect of the mixture or components.

e) germ cell mutagenicity

No data available regarding mutagenic effect of the mixture or components.

f) carcinogenicity

No data available regarding carcinogenic effect of the mixture or components.

g) reproductive toxicity

No data available regarding reproductive toxicity of the mixture or components.

h) STOT-single exposure

No data available regarding the toxicity of the mixture or components.

i) STOT-repeated exposure

No data available regarding the toxicity of the mixture or components.

j) aspiration hazard

No data available regarding aspiration hazard of the mixture.

Other information**General description:**

Ethanol causes euphoria, disturbances of the body balance system, dizziness, nausea, vomiting, deterioration of cognitive ability, memory disturbances upon ingestion, heart disturbances are possible at large quantities. If the amount of ethanol in blood exceeds 0,4%, this may cause coma or even death.

Inhalation: Inhalation of high concentration substance vapour may cause irritation of the respiratory system.

Ingestion: May cause irritation of the digestive tract. Can cause heart disturbances, mood changes, failure of memory and focusing ability, speech issues, intense sweating and hot feeling, vision disturbances - doubling, deterioration of response ability, nervousness, inadequate action and other disturbances.

Skin contact: May cause skin redness, irritation, burning sensation, sensitivity and drying of the skin.

Eye contact: High concentration may cause eye irritation, burning sensation including the reflex of closing eyelids and tearing. May cause temporary damage of the eye cornea epithelium and acute conjunctivitis.

SECTION 12: Ecological information**12.1. Toxicity**

No data available regarding the effect of the mixture.

Information about the mixture components:**Ethanol (CAS 64-17-5)****Acute toxicity:****Fish**LC50: *Leuciscus idus*: 8.140 mg/l; 48 h**Aquatic invertebrates:**EC5: *Entosiphon sulcatum*: 65 mg/l; 72 hEC50: *Daphnia magna*: 9.268 - 14.221 mg/l; 48 h**Algae:**IC5: *Scenedesmus quadricauda*: 5.000 mg/l; 7 d**Bacteria:**

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EC5: *Pseudomonas putida*: 6.500 mg/l; 16 h**12.2. Persistence and degradability**

The product is readily biodegradable.

Biodegradability: 94% (OECD testing guidelines 301E).

Biochemical oxygen demand (BOD): 930 - 1.670 mg/g (5 d)

Theoretical oxygen demand (ThOD): 2.100 mg/g

12.3. Bioaccumulative potential

Bioaccumulation is not expected.

log Pow: -0.31 (experimental)

12.4. Mobility in soil

The mixture is soluble in water and easily spreads in soil.

12.5. Results of PBT and vPvB assessment

There are not available any data on the results of the PBT and vPvB assessment of the mixture or components.

12.6. Other adverse effects

Ozone depletion potential: not classified.

Effect on the global warming: not specified.

Additional ecological information: discharge into the environment must be avoided.

SECTION 13: Disposal considerations**13.1. Waste treatment methods****Product residue and waste**

Transfer waste for disposal or recycling to a licensed waste treatment company. May not be disposed of with household waste. Prevent discharge into drains.

Waste code

20 01 29 Detergents containing harmful substances

*Note: The specified waste codes are recommendations and depend on the eventual use of this product. Based on the user's specific conditions of use and disposal under particular circumstances other waste codes may be applicable (in compliance with 2014/955/EU).***Container and packaging waste**

When possible, recycle containers and packaging free from product residue.

Waste codesIf the packaging does not contain product residues

150102 Plastic packaging

If the packaging contains product residue:

150110 Packaging containing hazardous residue or contamination

SECTION 14: Transport information**14.1. UN number:**

UN 1170

14.2. UN proper shipping name

UN 1170 ETHANOL SOLUTION

14.3. Transport hazard class(-es)

ADR/RID/ADN 3

IMDG 3

ICAO class/ section 3

Hazard label

**14.4. Packaging group**

ADR/RID/ADN packaging group III

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IMDG packaging group

III

ICAO packaging group

III

14.5. Environmental hazards

Not classified.

Marine pollutant

No.

14.6. Special precautions for users

EmS:

F-E, S-D

Tunnel restriction code:

D/E

Persons employed in transporting dangerous goods must be trained.

All persons involved in transporting must observe safety regulations.

Precautions must be taken to prevent damage.

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Freighted as packaged goods rather than in bulk, therefore not applicable.

Minimum amount regulations have not been taken into account.

Danger code and packing code on request.

Compliant with specific rules.

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Commission Regulation (EU) No 487/2013 of 8 May 2013 amending, for the purposes of its adaptation to technical and scientific progress, Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures.

Commission Regulation (EU) No 944/2013 of 02 October 2013 amending, for the purposes of its adaptation to technical and scientific progress, Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures, with amendments.

Commission Regulation (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

Commission Regulation (EU) 2016/918 of 19 May 2016 amending, for the purposes of its adaptation to technical and scientific progress, Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures.

Regulation (EC) No 648/2004 of the European Parliament and of the Council of 31 March 2004 on detergents.

Regulation (EU) No 528/2012 of the European Parliament and of the Council of 22 May 2012 concerning the making available on the market and use of biocidal products.

Directive 2012/18/EU of the European Parliament and of the Council of 4 July 2012 on the control of major-accident hazards involving dangerous substances, amending and subsequently repealing Council Directive 96/82/EC (Seveso):

Directive 2012/18/EU (Seveso) hazard categories	Qualifying quantity (tonnes) of hazardous substances for the application of:	
	lower-tier requirements	upper-tier requirements
P5c FLAMMABLE LIQUIDS	5000	50000

15.2. Chemical safety assessment

No data about chemical safety assessment.

SECTION 16: Other information

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Key references / data sources:

Manufacturer's safety data sheet for the mixture.
Data from ECHA and component's Safety Data Sheets.

Internet Resources:

<http://esis.jrc.ec.europa.eu>

<http://echa.europa.eu>

<http://eur-lex.europa.eu>

Full text of the hazard statements in Section 3:

Acute Tox. 4	Acute toxicity, Hazard Category 4
Aquatic Acute 3	Hazardous to the Aquatic Environment, acute toxicity, Hazard Category 3
Eye Irrit. 2	Serious eye damage/ eye irritation, Hazard Category 2
Flam Liq. 2	Flammable liquid, Hazard Category 2
STOT SE 3	Specific target organ toxicity – single exposure, Hazard Category 3
H225	Highly flammable liquid and vapour.
H302	Harmful if swallowed.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
H412	Harmful to aquatic life with long lasting effects.

Abbreviations and acronyms used in the safety data sheet:

AC: Article Category

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

CAS: Chemical Abstracts Service (division of the American Chemical Society)

EC50: The effective concentration of a substance that causes 50% of the maximum response.

EINECS: European Inventory of Existing Commercial Chemical Substances

ERC: Environmental Release Category

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

IATA: International Air Transport Association International Civil Aviation Organization

IMDG: International Maritime Code for Dangerous Goods

LC50: Median lethal concentration. The concentration causing 50 % lethality

MARPOL: International Convention for the Prevention of Marine Pollution from Ships

NOAEC: No observed adverse effect concentration

NOAEL: No observed adverse effect level

PC: Chemical Product Category

PROC: Process Category

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

SU: Sector of Use

Disclaimer

The information in this safety data sheet is based on the data provided by the product manufacturer, which is to be deemed correct; however, the product importer, nor its manufacturer shall guarantee that this information is comprehensive, nor shall bear any responsibility of the consequences caused by the use of this information. It is the responsibility of the user of the product, to evaluate the information provided here and its applicability to the current circumstances of the product usage, as well as to carry out all necessary safety procedures, when using this product.

End of safety data sheet