

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Trade name or designation of the mixture HiFo-Clean

Registration number -

Synonyms None.

Part Number LS-HIFO series, (Formula: LB-HIFO)

1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses Cleaner

Uses advised against None known.

1.3. Details of the supplier of the safety data sheet

Supplier

Company name Wynn's Belgium BV
Address Industriepark-West 46
B-9100 Sint-Niklaas, Belgium
Telephone +1-410-822-5775

Manufacturer

Company name Celeste Industries Corporation
Address 8007 Industrial Park Rd
Easton, Maryland 21601 (USA)
Telephone +1-410-822-5775
Email info@celestecorp.com

1.4. Emergency telephone number CHEMTREC (24 hours) within USA and CANADA 1-800-424-9300
Outside USA and Canada (collect call accepted): 1-703-527-3883

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

The mixture has been assessed and/or tested for its physical, health and environmental hazards and the following classification applies.

Classification according to Regulation (EC) No 1272/2008 as amended

This mixture does not meet the criteria for classification according to Regulation (EC) 1272/2008 as amended.

2.2. Label elements

Label according to Regulation (EC) No. 1272/2008 as amended

Hazard pictograms None.
Signal word None.
Hazard statements The mixture does not meet the criteria for classification.

Precautionary statements

Prevention Not assigned.
Response Not assigned.
Storage Not assigned.
Disposal Not assigned.

Supplemental label information None.

2.3. Other hazards

This mixture does not contain substances assessed to be vPvB / PBT according to Regulation (EC) No 1907/2006, Annex XIII. The product does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

General information

Chemical name	%	CAS-No. / EC No.	REACH Registration No.	Index No.	Notes
(2-Methoxymethylethoxy)propanol	0,5 - 1,5	34590-94-8 252-104-2	-	-	#

Classification: -

Other components below reportable levels 98,5

SECTION 4: First aid measures

General information Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

4.1. Description of first aid measures

Inhalation Move to fresh air. Call a physician if symptoms develop or persist.
Skin contact Wash off with soap and water. Get medical attention if irritation develops and persists.
Eye contact Rinse with water. Get medical attention if irritation develops and persists.
Ingestion Rinse mouth. Get medical attention if symptoms occur.

4.2. Most important symptoms and effects, both acute and delayed Exposure may cause temporary irritation, redness, or discomfort.

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

SECTION 5: Firefighting measures

General fire hazards No unusual fire or explosion hazards noted.

5.1. Extinguishing media

Suitable extinguishing media Water fog. Foam. Dry chemical powder. Carbon dioxide (CO₂).
Unsuitable extinguishing media Do not use water jet as an extinguisher, as this will spread the fire.

5.2. Special hazards arising from the substance or mixture During fire, gases hazardous to health may be formed.

5.3. Advice for firefighters

Special protective equipment for firefighters Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
Special fire fighting procedures Move containers from fire area if you can do so without risk.

Specific methods Use standard firefighting procedures and consider the hazards of other involved materials.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel Wear appropriate personal protective equipment.
For emergency responders Keep unnecessary personnel away. For personal protection, see section 8 of the SDS.

6.2. Environmental precautions Avoid discharge into drains, water courses or onto the ground.

6.3. Methods and material for containment and cleaning up This product is miscible in water.
Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills to original containers for re-use.

6.4. Reference to other sections For personal protection, see section 8 of the SDS. For waste disposal, see section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling Observe good industrial hygiene practices.

7.2. Conditions for safe storage, including any incompatibilities Store in tightly closed container. Store away from incompatible materials (see Section 10 of the SDS).

Storage class (TRGS 510): 12 (Non-combustible liquids that cannot be assigned to any of the above storage classes)

SECTION 8: Exposure controls/personal protection**8.1. Control parameters****Occupational exposure limits****Austria. MAK List, OEL Ordinance (GwV), BGBl. II, no. 184/2001**

Components	Type	Value
(2-Methoxymethylethoxy)propanol (CAS 34590-94-8)	Ceiling	614 mg/m ³
		100 ppm
	MAK	307 mg/m ³ 50 ppm

Belgium. Exposure Limit Values

Components	Type	Value
(2-Methoxymethylethoxy)propanol (CAS 34590-94-8)	TWA	308 mg/m ³
		50 ppm

Bulgaria. OELs. Regulation No 13 on protection of workers against risks of exposure to chemical agents at work

Components	Type	Value
(2-Methoxymethylethoxy)propanol (CAS 34590-94-8)	TWA	308 mg/m ³
		50 ppm

Croatia. Dangerous Substance Exposure Limit Values in the Workplace (ELVs), Annexes 1 and 2, Narodne Novine, 13/09

Components	Type	Value
(2-Methoxymethylethoxy)propanol (CAS 34590-94-8)	MAC	308 mg/m ³
		50 ppm

Czech Republic. OELs. Government Decree 361

Components	Type	Value
(2-Methoxymethylethoxy)propanol (CAS 34590-94-8)	Ceiling	550 mg/m ³
	TWA	270 mg/m ³

Denmark. Exposure Limit Values

Components	Type	Value
(2-Methoxymethylethoxy)propanol (CAS 34590-94-8)	TLV	309 mg/m ³
		50 ppm

Estonia. OELs. Occupational Exposure Limits of Hazardous Substances (Regulation No. 105/2001, Annex), as amended

Components	Type	Value
(2-Methoxymethylethoxy)propanol (CAS 34590-94-8)	TWA	308 mg/m ³
		50 ppm

Finland. Workplace Exposure Limits

Components	Type	Value
(2-Methoxymethylethoxy)propanol (CAS 34590-94-8)	TWA	310 mg/m ³
		50 ppm

France. Threshold Limit Values (VLEP) for Occupational Exposure to Chemicals in France, INRS ED 984

Components	Type	Value
(2-Methoxymethylethoxy)propanol (CAS 34590-94-8)	VME	308 mg/m ³
	Regulatory status: Regulatory binding (VRC)	50 ppm
Regulatory status: Regulatory binding (VRC)		

Germany. DFG MAK List (advisory OELs). Commission for the Investigation of Health Hazards of Chemical Compounds in the Work Area (DFG)

Components	Type	Value	Form
(2-Methoxymethylethoxy)propanol (CAS 34590-94-8)	TWA	310 mg/m ³	Vapour.
		50 ppm	Vapour.

Germany. TRGS 900, Limit Values in the Ambient Air at the Workplace

Components	Type	Value	Form
(2-Methoxymethylethoxy)propanol (CAS 34590-94-8)	AGW	310 mg/m ³	Vapour and aerosol.
		50 ppm	Vapour and aerosol.

Greece. OELs (Decree No. 90/1999, as amended)

Components	Type	Value
(2-Methoxymethylethoxy)propanol (CAS 34590-94-8)	STEL	900 mg/m ³
		150 ppm
	TWA	600 mg/m ³ 100 ppm

Hungary. OELs. Joint Decree on Chemical Safety of Workplaces

Components	Type	Value
(2-Methoxymethylethoxy)propanol (CAS 34590-94-8)	TWA	308 mg/m ³

Iceland. OELs. Regulation 154/1999 on occupational exposure limits

Components	Type	Value
(2-Methoxymethylethoxy)propanol (CAS 34590-94-8)	TWA	300 mg/m ³
		50 ppm

Ireland. Occupational Exposure Limits

Components	Type	Value
(2-Methoxymethylethoxy)propanol (CAS 34590-94-8)	TWA	308 mg/m ³
		50 ppm

Italy. Occupational Exposure Limits

Components	Type	Value
(2-Methoxymethylethoxy)propanol (CAS 34590-94-8)	TWA	308 mg/m ³
		50 ppm

Latvia. OELs. Occupational exposure limit values of chemical substances in work environment

Components	Type	Value
(2-Methoxymethylethoxy)propanol (CAS 34590-94-8)	TWA	308 mg/m ³
		50 ppm

Lithuania. OELs. Limit Values for Chemical Substances, General Requirements

Components	Type	Value
(2-Methoxymethylethoxy)propanol (CAS 34590-94-8)	STEL	450 mg/m ³
		75 ppm
	TWA	308 mg/m ³ 50 ppm

Malta. OELs. Occupational Exposure Limit Values (L.N. 227. of Occupational Health and Safety Authority Act (CAP. 424), Schedules I and V)

Components	Type	Value
(2-Methoxymethylethoxy)propanol (CAS 34590-94-8)	TWA	308 mg/m ³
		50 ppm

Netherlands. OELs (binding)

Components	Type	Value
(2-Methoxymethylethoxy)pr opanol (CAS 34590-94-8)	TWA	300 mg/m ³

Norway. Administrative Norms for Contaminants in the Workplace

Components	Type	Value
(2-Methoxymethylethoxy)pr opanol (CAS 34590-94-8)	TLV	300 mg/m ³ 50 ppm

Poland. Ordinance of the Minister of Labour and Social Policy on 6 June 2014 on the maximum permissible concentrations and intensities of harmful health factors in the work environment, Journal of Laws 2014, item 817

Components	Type	Value
(2-Methoxymethylethoxy)pr opanol (CAS 34590-94-8)	STEL	480 mg/m ³ 0 ppm
	TWA	240 mg/m ³ 0 ppm

Portugal. OELs. Decree-Law n. 290/2001 (Journal of the Republic - 1 Series A, n.266)

Components	Type	Value
(2-Methoxymethylethoxy)pr opanol (CAS 34590-94-8)	TWA	308 mg/m ³ 50 ppm

Portugal. VLEs. Norm on occupational exposure to chemical agents (NP 1796)

Components	Type	Value
(2-Methoxymethylethoxy)pr opanol (CAS 34590-94-8)	STEL	150 ppm
	TWA	100 ppm

Romania. OELs. Protection of workers from exposure to chemical agents at the workplace

Components	Type	Value
(2-Methoxymethylethoxy)pr opanol (CAS 34590-94-8)	TWA	308 mg/m ³ 50 ppm

Slovakia. OELs. Regulation No. 300/2007 concerning protection of health in work with chemical agents

Components	Type	Value
(2-Methoxymethylethoxy)pr opanol (CAS 34590-94-8)	TWA	308 mg/m ³ 50 ppm

Slovenia. OELs. Regulations concerning protection of workers against risks due to exposure to chemicals while working (Official Gazette of the Republic of Slovenia)

Components	Type	Value
(2-Methoxymethylethoxy)pr opanol (CAS 34590-94-8)	TWA	308 mg/m ³ 50 ppm

Spain. Occupational Exposure Limits

Components	Type	Value
(2-Methoxymethylethoxy)pr opanol (CAS 34590-94-8)	TWA	308 mg/m ³ 50 ppm

Sweden. OELs. Work Environment Authority (AV), Occupational Exposure Limit Values (AFS 2015:7)

Components	Type	Value
(2-Methoxymethylethoxy)pr opanol (CAS 34590-94-8)	STEL	450 mg/m ³ 75 ppm
	TWA	300 mg/m ³ 50 ppm

Switzerland. SUVA Grenzwerte am Arbeitsplatz			
Components	Type	Value	Form
(2-Methoxymethylethoxy)propanol (CAS 34590-94-8)	STEL	300 mg/m ³	Vapour and aerosol.
		50 ppm	Vapour and aerosol.
	TWA	300 mg/m ³	Vapour and aerosol.
		50 ppm	Vapour and aerosol.

UK. EH40 Workplace Exposure Limits (WELs)		
Components	Type	Value
(2-Methoxymethylethoxy)propanol (CAS 34590-94-8)	TWA	308 mg/m ³
		50 ppm

EU. Indicative Exposure Limit Values in Directives 91/322/EEC, 2000/39/EC, 2006/15/EC, 2009/161/EU, 2017/164/EU		
Components	Type	Value
(2-Methoxymethylethoxy)propanol (CAS 34590-94-8)	TWA	308 mg/m ³
		50 ppm

Biological limit values No biological exposure limits noted for the ingredient(s).

Recommended monitoring procedures Follow standard monitoring procedures.

Derived no effect levels (DNELs) Not available.

Predicted no effect concentrations (PNECs) Not available.

Exposure guidelines

Austria MAK: Skin designation

(2-Methoxymethylethoxy)propanol (CAS 34590-94-8) Can be absorbed through the skin.

Belgium OELs: Skin designation

(2-Methoxymethylethoxy)propanol (CAS 34590-94-8) Can be absorbed through the skin.

Bulgaria OELs: Skin designation

(2-Methoxymethylethoxy)propanol (CAS 34590-94-8) Can be absorbed through the skin.

Croatia ELVs: Skin designation

(2-Methoxymethylethoxy)propanol (CAS 34590-94-8) Can be absorbed through the skin.

Czech Republic PELs: Skin designation

(2-Methoxymethylethoxy)propanol (CAS 34590-94-8) Can be absorbed through the skin.

Denmark GV: Skin designation

(2-Methoxymethylethoxy)propanol (CAS 34590-94-8) Can be absorbed through the skin.

Estonia OELs: Skin designation

(2-Methoxymethylethoxy)propanol (CAS 34590-94-8) Can be absorbed through the skin.

EU Exposure Limit Values: Skin designation

(2-Methoxymethylethoxy)propanol (CAS 34590-94-8) Can be absorbed through the skin.

Finland Exposure Limit Values: Skin designation

(2-Methoxymethylethoxy)propanol (CAS 34590-94-8) Can be absorbed through the skin.

France INRS: Skin designation

(2-Methoxymethylethoxy)propanol (CAS 34590-94-8) Can be absorbed through the skin.

Greece OEL: Skin designation

(2-Methoxymethylethoxy)propanol (CAS 34590-94-8) Can be absorbed through the skin.

Iceland OELs: Skin designation

(2-Methoxymethylethoxy)propanol (CAS 34590-94-8) Can be absorbed through the skin.

Ireland Exposure Limit Values: Skin designation

(2-Methoxymethylethoxy)propanol (CAS 34590-94-8) Can be absorbed through the skin.

Italy OELs: Skin designation

(2-Methoxymethylethoxy)propanol (CAS 34590-94-8) Danger of cutaneous absorption

Latvia OELs: Skin designation

(2-Methoxymethylethoxy)propanol (CAS 34590-94-8) Can be absorbed through the skin.

Lithuania OELs: Skin designation

(2-Methoxymethylethoxy)propanol (CAS 34590-94-8) Can be absorbed through the skin.

Luxembourg OELs: Skin designation

(2-Methoxymethylethoxy)propanol (CAS 34590-94-8) Can be absorbed through the skin.

Malta OELs: Skin designation

(2-Methoxymethylethoxy)propanol (CAS 34590-94-8) Can be absorbed through the skin.

Norway Exposure Limit Values: Skin designation

(2-Methoxymethylethoxy)propanol (CAS 34590-94-8) Can be absorbed through the skin.

Portugal OELs: Skin designation

(2-Methoxymethylethoxy)propanol (CAS 34590-94-8) Can be absorbed through the skin.

Portugal VLEs Norm on Occupational Exposure: Skin designation

(2-Methoxymethylethoxy)propanol (CAS 34590-94-8) Can be absorbed through the skin.

Romania OELs: Skin designation

(2-Methoxymethylethoxy)propanol (CAS 34590-94-8) Can be absorbed through the skin.

Slovakia OELs: Skin designation

(2-Methoxymethylethoxy)propanol (CAS 34590-94-8) Can be absorbed through the skin.

Slovenia. OELs. Regulations concerning protection of workers against risks due to exposure to chemicals while working (Official Gazette of the Republic of Slovenia)

(2-Methoxymethylethoxy)propanol (CAS 34590-94-8) Can be absorbed through the skin.

Spain OELs: Skin designation

(2-Methoxymethylethoxy)propanol (CAS 34590-94-8) Can be absorbed through the skin.

Sweden Threshold Limit Values: Skin designation

(2-Methoxymethylethoxy)propanol (CAS 34590-94-8) Can be absorbed through the skin.

UK EH40 WEL: Skin designation

(2-Methoxymethylethoxy)propanol (CAS 34590-94-8) Can be absorbed through the skin.

8.2. Exposure controls**Appropriate engineering controls**

Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

Individual protection measures, such as personal protective equipment**General information**

Personal protection equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment.

Eye/face protection

Wear safety glasses with side shields (or goggles). Eye protection should meet standard EN 166.

Skin protection**- Hand protection**

Wear suitable gloves tested to EN374.

- Other

Wear suitable protective clothing.

Respiratory protection

In case of insufficient ventilation, wear suitable respiratory equipment. Follow guidance on selection, use, care and maintenance in accordance with EN 529.

Thermal hazards

Wear appropriate thermal protective clothing, when necessary.

Hygiene measures

Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

Environmental exposure controls

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. Fume scrubbers, filters or engineering modifications to the process equipment may be necessary to reduce emissions to acceptable levels.

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

Liquid.

Form

Liquid.

Colour

Colourless.

Odour

Pleasant.

Melting point/freezing point

0 °C (32 °F) estimated

Boiling point or initial boiling point and boiling range

100 °C (212 °F) estimated

Flammability (solid, gas)

Non-flammable.

Upper/lower flammability or explosive limits**Explosive limit - lower (%)**

Non-flammable.

Explosive limit – upper (%)

Non-flammable.

Flash point

Non-flammable.

Auto-ignition temperature

Not applicable.

Decomposition temperature

Not applicable.

pH

7 - 8

Kinematic viscosity	Property has not been measured.
Solubility(ies)	
Solubility (water)	Soluble.
Partition coefficient (n-octanol/water)	Not applicable.
Vapour pressure	Property has not been measured.
Vapour density	Property has not been measured.
Relative density	0,95 - 1,05
Particle characteristics	Not available.

9.2. Other information

9.2.1. Information with regard to physical hazard classes No relevant additional information available.

9.2.2. Other safety characteristics

Explosive properties	Not explosive.
Oxidising properties	Not oxidising.

SECTION 10: Stability and reactivity

10.1. Reactivity	The product is stable and non-reactive under normal conditions of use, storage and transport.
10.2. Chemical stability	Material is stable under normal conditions.
10.3. Possibility of hazardous reactions	No dangerous reaction known under conditions of normal use.
10.4. Conditions to avoid	Contact with incompatible materials.
10.5. Incompatible materials	Strong oxidising agents.
10.6. Hazardous decomposition products	Carbon oxides.

SECTION 11: Toxicological information

General information Occupational exposure to the substance or mixture may cause adverse effects.

Information on likely routes of exposure

Inhalation	No adverse effects due to inhalation are expected.
Skin contact	No adverse effects due to skin contact are expected.
Eye contact	Direct contact with eyes may cause temporary irritation.
Ingestion	May cause discomfort if swallowed. However, ingestion is not likely to be a primary route of occupational exposure.

Symptoms Exposure may cause temporary irritation, redness, or discomfort.

11.1. Information on toxicological effects

Acute toxicity Not expected to be acutely toxic.

Components	Species	Test Results
(2-Methoxymethylethoxy)propanol (CAS 34590-94-8)		
Acute		
Dermal		
LD50	Rat	> 20 ml/kg, Hours
Oral		
LD50	Rat	> 5000 mg/kg 5,4 ml/kg

Skin corrosion/irritation Prolonged skin contact may cause temporary irritation.

Serious eye damage/eye irritation Direct contact with eyes may cause temporary irritation.

Respiratory sensitisation Not a respiratory sensitiser.

Skin sensitisation This product is not expected to cause skin sensitisation.

Germ cell mutagenicity No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

Carcinogenicity This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

Hungary. 26/2000 EüM Ordinance on protection against and preventing risk relating to exposure to carcinogens at work (as amended)
Not listed.

Reproductive toxicity This product is not expected to cause reproductive or developmental effects.

Specific target organ toxicity - single exposure	Not classified.
Specific target organ toxicity - repeated exposure	Not classified.
Aspiration hazard	Not an aspiration hazard.
Mixture versus substance information	No information available.

11.2. Information on other hazards

Endocrine disrupting properties	The product does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.
Other information	This product has no known adverse effect on human health.

SECTION 12: Ecological information

12.1. Toxicity	Based on available data, the classification criteria are not met for hazardous to the aquatic environment.
12.2. Persistence and degradability	No data is available on the degradability of any ingredients in the mixture.
12.3. Bioaccumulative potential	No data available.
Partition coefficient n-octanol/water (log Kow)	Not available.
Bioconcentration factor (BCF)	Not available.
12.4. Mobility in soil	Not established.
12.5. Results of PBT and vPvB assessment	This mixture does not contain substances assessed to be vPvB / PBT according to Regulation (EC) No 1907/2006, Annex XIII.
12.6. Endocrine disrupting properties	The product does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.
12.7. Other adverse effects	None known.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Residual waste	Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).
Contaminated packaging	Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.
EU waste code	The Waste code should be assigned in discussion between the user, the producer and the waste disposal company.
Disposal methods/information	Collect and reclaim or dispose in sealed containers at licensed waste disposal site.
Special precautions	Dispose in accordance with all applicable regulations.

SECTION 14: Transport information

ADR

14.1. UN number	Not available.
14.2. UN proper shipping name	Not available.
14.3. Transport hazard class(es)	
Class	Not available.
Subsidiary risk	-
Hazard No. (ADR)	Not available.
Tunnel restriction code	Not available.
14.4. Packing group	Not available.
14.5. Environmental hazards	No.
14.6. Special precautions for user	Not available.

RID

14.1. UN number	Not available.
14.2. UN proper shipping name	Not available.
14.3. Transport hazard class(es)	
Class	Not available.
Subsidiary risk	-

- 14.4. Packing group Not available.
14.5. Environmental hazards No.
14.6. Special precautions Not available.
for user

ADN

- 14.1. UN number Not available.
14.2. UN proper shipping Not available.
name
14.3. Transport hazard class(es)
Class Not available.
Subsidiary risk -
14.4. Packing group Not available.
14.5. Environmental hazards No.
14.6. Special precautions Not available.
for user

IATA

- 14.1. UN number Not available.
14.2. UN proper shipping Not available.
name
14.3. Transport hazard class(es)
Class Not available.
Subsidiary risk -
14.4. Packing group Not available.
14.5. Environmental hazards No.
14.6. Special precautions Not available.
for user

IMDG

- 14.1. UN number Not available.
14.2. UN proper shipping Not available.
name
14.3. Transport hazard class(es)
Class Not available.
Subsidiary risk -
14.4. Packing group Not available.
14.5. Environmental hazards
Marine pollutant No.
EmS Not available.
14.6. Special precautions Not available.
for user

14.7. Maritime transport in bulk This product is not intended to be transported in bulk.
according to IMO instruments

SECTION 15: Regulatory information

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

EU regulations

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex V as amended

Not listed.

Regulation (EC) No. 1005/2009 on substances that deplete the ozone layer, Annex I and II, as amended

Not listed.

EU Regulation 648/2004, Annex VII, Content Labeling for Detergents

Not listed.

Regulation (EU) 2019/1021 On persistent organic pollutants (recast), as amended

Not listed.

Regulation (EC) No. 1907/2006, REACH Article 59(10) Candidate List as currently published by ECHA

Not listed.

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 1 as amended

Not listed.

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 2 as amended

Not listed.

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 3 as amended

Not listed.

Regulation (EC) No. 166/2006 Annex II Pollutant Release and Transfer Registry, as amended

Not listed.

Authorisations

Regulation (EC) No. 1907/2006, REACH Annex XIV Substances subject to authorization, as amended

Not listed.

Restrictions on use

Regulation (EC) No. 1907/2006, REACH Annex XVII Substances subject to restriction on marketing and use as amended

Not listed.

Directive 2004/37/EC: on the protection of workers from the risks related to exposure to carcinogens and mutagens at work, as amended.

Not listed.

Other EU regulations

Directive 2012/18/EU on major accident hazards involving dangerous substances, as amended

Not listed.

Other regulations

The product is classified and labelled in accordance with Regulation (EC) 1272/2008 (CLP Regulation) as amended. This Safety Data Sheet complies with the requirements of Regulation (EC) No 1907/2006, as amended.

National regulations

Follow national regulation for work with chemical agents in accordance with Directive 98/24/EC, as amended.

15.2. Chemical safety assessment

No Chemical Safety Assessment has been carried out.

SECTION 16: Other information

List of abbreviations

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.

AGW: Occupational threshold limit value (Arbeitsplatzgrenzwert – Germany).

CAS: Chemical Abstract Service.

CEN: European Committee for Standardization.

IATA: International Air Transport Association.

IBC Code: International Code for the Construction and Equipment of Ships Carrying Dangerous Chemicals in Bulk.

IMDG: International Maritime Dangerous Goods.

MAC: Maximum Allowed Concentration.

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

PBT: Persistent, bioaccumulative and toxic.

RID: Regulations concerning the International Carriage of Dangerous Goods by Rail.

STEL: Short term exposure limit.

TLV: Threshold Limit Value.

TWA: Time Weighted Average.

VLE: Exposure Limit Value.

VME: Exposure Average Value.

vPvB: Very persistent and very bioaccumulative.

References

ECHA registered substances database

Information on evaluation method leading to the classification of mixture

The classification for health and environmental hazards is derived by a combination of calculation methods and test data, if available.

Full text of any H-statements not written out in full under Sections 2 to 15

None.

Revision information

This document has undergone significant changes and should be reviewed in its entirety.

Training information

Follow training instructions when handling this material.

Disclaimer

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