

Safety Data Sheet

Regulation (EC) No. 1907/2006, 1272/2008

Version No.: 1.0

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SDS REPORT

ZHEJIANG YIWU CAIJIE DAILY NECESSITIES FACTORY
NO. 19, HANXIAO ROAD, FOTANG INDUSTRIAL ZONE

SDS Report No.	:	SDS202005159
Compilation Date	:	May 18, 2020
Trade Name	:	WET WIPES
Composition/Ingredient of The Sample	:	See Section 3 on the SDS
Service Requested	:	Safety Data Sheet (SDS) for the sample with submitted composition.
Summary	:	As per request, the contents and formats of the SDS are prepared in accordance with Regulation (EC) No 1907/2006, 1272/2008, Regulation (EU) No 2015/830 and are provided per attached.

Signed for and on behalf of
FOCO Technical Center:



Johnny Zhang

Johnny Zhang
Technical director

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

·1.1 Product identifier

·Trade name: WET WIPES

·Registration number: Data not available

·Other means of identification: Data not available

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

·Application of the substance/ mixture: Sanitizer.

·Uses advised against: All other uses.

·1.3 Details of the supplier of the safety data sheet

·Manufacturer/Supplier:

ZHEJIANG YIWU CAIJIE DAILY NECESSITIES FACTORY

NO. 19, HANXIAO ROAD, FOTANG INDUSTRIAL ZONE

Tel: +086 579-81582516

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Email: 2234236870@qq.com

·Only Representative/other EU contact point: No information available

·Further information obtainable from: ZHEJIANG YIWU CAIJIE DAILY NECESSITIES FACTORY

·1.4 Emergency telephone number

General in EU

Tel: 112 (Available 24 hours a day)

In China:

Miss Wang

Tel: +086 13777910830

SECTION 2: Hazards identification

·2.1 Classification of the substance or mixture

Classification according to regulation (EC) 1272/2008:



GHS02 Flame

Flam. Sol. 1 H228 Flammable Solid

·Classification system:

The classification is according to the latest edition of Regulation 1272/2008, and extended by company and literature data.

·2.2 Label elements

·Labeling according to Regulation (EC) No 1272/2008: The product is labelled according to Regulation (EC) No 1272/2008.

·Hazard pictograms:



GHS02

·Signal word: Danger

·Hazard-determining components of labeling: Not applicable

·Hazard statements:

H228 Flammable Solid

·Precautionary statement:

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

P103 Read label before use.

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P280 Wear protective gloves /eye protection/face protection.

P370 + P378 In case of fire: Use CO₂, chemical powder, water spray or alcohol resistant foam to extinguish. Do not use water with full jet

·2.3 Other hazards

·Results of PBT and vPvB assessment

PBT: Not applicable

vPvB: Not applicable

SECTION 3: Composition/information on ingredients

·3.1 Chemical characterization: Mixture

·Description:

Mixture of the substances listed below with nonhazardous additions; For the wording of the listed risk phrases refer to section 16.

Substance	CAS No.	Index No.	EC No.	Conc. w/w	CLP Classification	SCL/M-factor
Ethanol	64-17-5	603-002-00-5	200-578-6	75%	Flam. Liq. 2, H225	-
Water	7732-18-5	-	231-791-2	23.5%	None	-
2-phenoxyethanol	122-99-6	603-098-00-9	204-589-7	0.5%	Acute Tox. 4, H302 Eye Irrit. 2, H319	Acute Tox. 4, H302:C \geq 25%; Eye Irrit. 2, H319: C \geq 20%
Didecyl dimethyl ammonium chloride	7173-51-5	612-131-00-6	230-525-2	0.25%	Acute Tox. 3, H301 Skin Corr. 1B, H314 Aquatic Acute 1, H400 Aquatic Chronic 2, H411	Skin Corr. 1B; H314:C \geq 10%; Skin Irrit. 2, H315: 5% \leq C<10% Eye Irrit. 2, H319: 5% \leq C<10% M=10
Benzalkonium Chloride	8001-54-5	-	-	0.2%	Acute Tox. 3, H301 Acute Tox. 4, H312 Acute Tox. 4, H332 Skin Corr. 1B, H314 Aquatic Acute 1, H400 Aquatic Chronic 1, H410	M=1 M(Chronic)=1
Ethylhexylglycerin	70445-33-9	603-168-00-9	408-080-2	0.1%	Eye Dam. 1, H318 Aquatic Chronic 3, H412	-
Propylene glycol	57-55-6	-	200-338-0	0.1%	None	-

Glycerin	56-81-5	-	200-289-5	0.1%	None	-
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SECTION 4: First aid measures

·4.1 Description of first aid measures

General advice: If medical advice is needed, have product container or label at hand.

After inhalation: Supply with fresh air. Call a POISON CENTER/doctor, if you feel unwell.

After skin contact: Take off immediately all contaminated clothing. Rinse skin with water/ shower. If there are signs of irritation or other symptoms seek medical attention.

After eye contact: Rinse cautiously with water for several minutes. If eye irritation persists: Get medical advice/attention.

After swallowing: Wash mouth. Do NOT induce vomiting; Never give anything by mouth to an unconscious person. Get medical attention if you feel unwell.

·4.2 Most important symptoms and effects, both acute and delayed: No known symptoms or effects.

·4.3 Indication of any immediate medical attention and special treatment needed: Treatment according to symptoms, no known specific medicine.

SECTION 5: Fire-fighting measures

·5.1 Extinguishing media

·Suitable extinguishing agents: Use CO₂, chemical powder, water spray or alcohol resistant foam to extinguish.

·Unsuitable extinguishing media: Water with full jet.

·5.2 Special hazards arising from the substance or mixture: Flammable mixture. Vapors may form explosive mixture with air.

·5.3 Advice for firefighters

Protective equipment:

Wear an approved positive pressure self-contained breathing apparatus (Comply with EN 133).

SECTION 6: Accidental release measures

·6.1 Personal precautions, protective equipment and emergency procedures:

Cut off leakage source and collect spillage timely if safe to do it; Ensure adequate ventilation; Eliminate all ignition sources (no smoking, flares, sparks or flames in immediate area); Wear personal protective equipment; Avoid breathing vapor; Beware of accumulation of vapor in low areas or contained areas, where explosive concentrations may occur; Avoid contact with eyes.

·6.2 Environmental precautions:

Prevent further leakage or spillage if safe to do so; Prevent spillage from entering drains, sewer, basement or confined areas; if the spillage contaminates rivers, lakes or drains inform respective authorities.

·6.3 Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust); Ensure good ventilation; Eliminate sources of ignition; Dispose contaminated material as waste according to item 13.

·6.4 Reference to other sections:

See section 7 for information on safe handling; See section 8 for information on personal protection equipment; See section 13 for disposal information.

SECTION 7: Handling and storage

7.1 Precautions for safe handling:

Read label before use; Ensure good ventilation/exhaustion at the workplace; Smoking, eating and drinking should be prohibited; Avoid all sources of ignition; Avoid breathing vapors; Avoid contact with eyes.

Information about fire and explosion protection: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

7.2 Conditions for safe storage, including any non-compatibility

Requirements to be met by storerooms and receptacles: Store in a well-ventilated place. Keep cool.

Information about storage in one common storage facility: Keep out of reach of children; Keep away from heat, sparks, open flames and hot surfaces; No smoking.

Further information about storage conditions: Store locked up.

7.3 Specific end use(s): Sanitizer for skin and hands.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Ingredients with limit values that require monitoring at the workplace:

Country	Limit value - Eight hours	Limit value - Short term
64-17-5 Ethanol		
Austria	1000ppm; 1900 mg/m ³	2000ppm; 3800 mg/m ³
Belgium	1000ppm; 1907 mg/m ³	-
Denmark	1000ppm; 1900 mg/m ³	2000ppm; 3800 mg/m ³
Finland	1000ppm; 1900 mg/m ³	1300ppm; 2500 mg/m ³ 15 minutes average value
France	1000ppm; 1900 mg/m ³	5000ppm; 9500 mg/m ³
Germany (AGS)	500ppm; 960 mg/m ³	1000ppm; 1920mg/m ³ 15 minutes average value
Germany (DFG)	500ppm; 960 mg/m ³	1000ppm; 1920mg/m ³ 15 minutes average value
Hungary	1900 mg/m ³	7600 mg/m ³
Ireland	-	1000ppm 15 minutes average value
Latvia	1000 mg/m ³	-
Poland	1900 mg/m ³	-
Spain	-	1000ppm; 1910 mg/m ³
Sweden	500ppm; 1000 mg/m ³	1000ppm; 1900mg/m ³ 15 minutes average value
The Netherlands	260 mg/m ³	1900 mg/m ³
United Kingdom	1000ppm; 1920 mg/m ³	-
122-99-6 2-phenoxyethanol		
Austria	20ppm; 110 mg/m ³	20ppm; 110 mg/m ³
Finland	20ppm; 110 mg/m ³	50ppm; 290 mg/m ³ 15 minutes average value
Germany (AGS)	1ppm; 5.7 mg/m ³ Inhalable aerosol and vapour	1ppm; 5.7 mg/m ³ Inhalable aerosol and vapour; 15 minutes reference period
Germany (DFG)	1ppm; 5.7 mg/m ³ Inhalable aerosol and vapour	1ppm; 5.7 mg/m ³ Inhalable aerosol and vapour; 15 minutes reference period
Poland	230mg/m ³	-
57-55-6 Propylene glycol (total vapour & particulates)		
Ireland	150 ppm; 470 mg/m ³	-

United Kingdom	150 ppm; 474 mg/m ³	-	
56-81-5 Glycerin			
Belgium	10 mg/m ³	-	50 mg
Finland	20 mg/m ³	-	10 mg
France	10 mg/m ³	-	
Germany (AGS)	200 mg/m Inhalable fraction	400 mg/m Inhalable fraction; 15 minutes average value	
Germany (DFG)	200 mg/m Inhalable fraction	400 mg/m Inhalable fraction; 15 minutes average value	
Ireland	10 mg/m ³	-	
Poland	10 mg/m ³	-	
Spain	10 mg/m ³	-	
United Kingdom	10 mg/m ³	-	

•DNELs:

DNEL type		DNEL worker value	DNEL consumer value
64-17-5 Ethanol			
Systemic effects	Long-term, inhalation exposure	950 mg/m ³	114 mg/m ³
	Long-term, dermal exposure	343 mg/kg bw/day	206 mg/kg bw/day
	Long-term, oral exposure	-	87 mg/kg bw/day
Local effects	Acute /short term, inhalation exposure	1900 mg/m ³	950 mg/m ³
122-99-6 2-phenoxyethanol			
Systemic effects	Long-term, inhalation exposure	8.07 mg/m ³	2.41 mg/m ³
	Long-term, dermal exposure	20.83 mg/kg bw/day	10.42 mg/kg bw/day
	Long-term, oral exposure	-	9.23 mg/kg bw/day
	Acute /short term, oral exposure	-	9.23 mg/kg bw/day
Local Effects	Long-term, inhalation exposure	8.07 mg/m ³	2.41 mg/m ³
57-55-6 Propylene glycol			
Systemic effects	Long-term, inhalation exposure	168 mg/m ³	50 mg/m ³
Local Effects	Long-term, inhalation exposure	10 mg/m ³	10 mg/m ³
56-81-5 Glycerin			
Local Effects	Long-term, inhalation exposure	56 mg/m ³	33 mg/m ³
Systemic Effects	Long-term, oral exposure	-	229 mg/kg bw/day

•PNECs:

PNEC type	Value
64-17-5 Ethanol	
Freshwater	960 µg/L
Intermittent releases (freshwater)	2.75 mg/L
Marine water	790 µg/L
Sewage treatment plant (STP)	580 mg/L
Sediment (freshwater)	3.6 mg/kg sediment dw
Sediment (marine water)	2.9 mg/kg sediment dw
122-99-6 2-phenoxyethanol	
Freshwater	943 µg/L
Intermittent releases (freshwater)	3.44 mg/L
Marine water	94.3 µg/L
Sewage treatment plant (STP)	24.8 mg/L
Sediment (freshwater)	7.237 mg/kg sediment dw

Sediment (marine water)	723.7 µg/kg sediment dw
57-55-6 Propylene glycol	
Freshwater	260 mg/L
Intermittent releases (freshwater)	183 mg/L
Marine water	26 mg/L
Sewage treatment plant (STP)	20 g/L
Sediment (freshwater)	572 mg/kg sediment dw
Sediment (marine water)	57.2 mg/kg sediment dw
56-81-5 Glycerin	
Freshwater	885 µg/L
Intermittent releases (freshwater)	8.85 mg/L
Marine water	88.5 µg/L
Sewage treatment plant (STP)	1 g/L
Sediment (freshwater)	3.3 mg/kg sediment dw
Sediment (marine water)	330 µg/kg sediment dw

•**Additional information:** The lists valid during the marking were used as basis.

•**8.2 Exposure controls**

•**Based on the composition shown in section 3, the following measures are suggested for occupational safety measure.**

•**Appropriate engineering controls:**

Handle in accordance with good industrial hygiene and safety practice; Wash hands and face before breaks and at the end of work; Take off contaminated clothing and wash it before reuse; See section 7 for information about design of technical facilities.

•**Personal protective equipment**

•**Respiration protection:** Use positive pressure breathing mask if concentrations in air could exceed occupational exposure standard.

•**Protection of hands:**



Protective gloves

Gloves made from butyl rubber Neoprene™ rubber, nitrile rubber (thickness > 0.11mm; breakthrough times up to 480 minutes).

•**Eye protection:**



Safety glasses

Protective goggles with side-shields.

•**Environmental exposure controls:**

Control measures must be made in accordance with Community environmental protection legislation.

SECTION 9: Physical and chemical properties

•**9.1 Information on basic physical and chemical properties**

•**Appearance:**

Form	Wet wipe, liquid in fabric
Color	White
Odor	Odorless
Odor threshold	Not determined
pH-value	7-9 at 20 °C
Change in condition	

Melting point/melting range	Not determined
Boiling point and boiling range	>35 °C at 101.3kPa (liquid part)
·Freezing point	Not determined
·Flash point	<23 °C (liquid part, closed cup)
·Flammability (solid, gas)	Flammable solid
·Decomposition temperature	Not determined
·Self-ignition	Not determined
·Danger of explosion	Product is not explosive. However, formation of explosive air/vapor mixtures is possible.
·Explosion limits	
Lower:	Not determined
Upper:	Not determined
·Oxidizing properties	Not oxidizing agent
·Vapor pressure	Not determined
·Density	Not determined
·Relative density	Not determined
·Vapor density	Not determined
·Evaporation rate	Not determined
·Solubility in/Miscibility with	
Water	Soluble in water
·Partition coefficient (n-octanol/water)	Not determined
·Viscosity	
Dynamic	Not determined
Kinematic	Not determined
·9.2 Other information	Not determined

SECTION 10: Stability and reactivity

- 10.1 Reactivity: No decomposition if used according to specification.
- 10.2 Chemical stability: Stable under recommended storage conditions.
- 10.3 Possibility of hazardous reactions: No known hazardous reaction.
- 10.4 Conditions to avoid: Heat/sparks/open flames/hot surfaces.
- 10.5 Incompatible materials: Strong acid, strong oxidizing agent, strong bases and flammable substance.
- 10.6 Hazardous decomposition products: No known hazardous decomposition products.

SECTION 11: Toxicological information

- 11.1 Information on toxicological effects
- Acute toxicity: Based on available data, the classification criteria are not met.
- LD/LC50 values relevant for classification: No animal test has been done for this product.

64-17-5 Ethanol		
Rat	LD50-oral	7060 mg/kg
	LC50-inhalation	20000ppm/10H
Rabbit	LD50-oral	6300 mg/kg

Guinea pig	LD50-oral	5560mg/kg
Mouse	LD50-oral	3450 mg/kg
	LC50-inhalation	39000mg/m ³ /4H
122-99-6 2-phenoxyethanol		
Mouse	LD50-oral	933mg/kg
Rabbit	LD50-skin	5mL/kg
Rat	LD50-oral	1260mg/kg
	LC50-skin	14422mg/kg
8001-54-5 Benzalkonium chloride		
Rat	LD50-oral	240mg/kg
57-55-6 Propylene glycol		
Guinea pig	LD50-oral	18350mg/kg
Rabbit	LD50-skin	20800mg/kg
	LD50-oral	18500mg/kg
Rat	LD50-oral	20000mg/kg
Mouse	LD50-oral	22000mg/kg
56-81-5 Glycerin		
Guinea pig	LD50-oral	7750mg/kg
Rat	LD50-oral	12600mg/kg
	LC50-inhalation	> 570mg/m ³ /1H
Mouse	LD50-oral	4090mg/kg
Rabbit	LD50-oral	27000mg/kg
	LD50-skin	>10000mg/kg
Remark: All the above data are from literature.		

- Skin corrosion/irritation:** Based on available data, the classification criteria are not met.
- Serious eyes damage/ irritation:** Based on available data, the classification criteria are not met.
- Respiratory or skin sensitization:** Based on available data, the classification criteria are not met.
- Germ cell mutagenicity:** Based on available data, the classification criteria are not met.
- Carcinogenicity:** Based on available data, the classification criteria are not met.
- Reproductive toxicity:** Based on available data, the classification criteria are not met.
- STOT-single exposure:** Based on available data, the classification criteria are not met.
- STOT-repeated exposure:** Based on available data, the classification criteria are not met.
- Aspiration hazard:** Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

12.1 Toxicity

•**Aquatic toxicity:** Not hazardous to the aquatic environment.

64-17-5 Ethanol	
Short-term toxicity to fish	LC50 (4 days) 14.2 - 15.4 g/L EC50 (4 days) 12.7 - 12.9 g/L
Long-term toxicity to fish	NOEC (5 days) 250 - 1 000 mg/L
Short-term toxicity to aquatic invertebrates	EC50 (48 h) 10 g/L LC50 (48 h) 5.012 g/L
Long-term toxicity to aquatic invertebrates	NOEC (10 days) 2 - 9.6 mg/L LC50 (10 days) 1.806 g/L

Toxicity to aquatic algae and cyanobacteria	EC50 (4 days) 675 - 22 000 mg/L
Toxicity to microorganisms	EC50 (4 h) 5.8 g/L IC50 (3 h) 1 g/L
122-99-6 2-phenoxyethanol	
Short-term toxicity to fish	LC50 (4 days) 344 mg/L NOEC (4 days) 100 mg/L
Long-term toxicity to fish	NOEC (34 days) 23mg/L LOEC (34 days) 50 - 215 mg/L
Short-term toxicity to aquatic invertebrates	EC50 (48 h) 488 mg/L
Long-term toxicity to aquatic invertebrates	NOEC (21 days) 9.43 mg/L LOEC (21 days) 22.5 - 110 mg/L
Toxicity to aquatic algae and cyanobacteria	EC50 (72 h) 443 mg/L NOEC (72 h) 159 mg/L
Toxicity to microorganisms	EC50 (17 h) 883.3 mg/L
57-55-6 Propylene glycol	
Short-term toxicity to fish	LC50 (4 days) 40.613 g/L
Short-term toxicity to aquatic invertebrates	LC50 (4 days) 18.8 g/L
Long-term toxicity to aquatic invertebrates	NOEC (7 days) 13.02 g/L
Toxicity to aquatic algae and cyanobacteria	EC50 (4 days) 19 - 19.1 g/L NOEC (14 days) 5.3 - 15 g/L
Toxicity to microorganisms	NOEC (18 h) 20 g/L
56-81-5 Glycerin	
Short-term toxicity to fish	LC50 (4 days) 54 g/L
Short-term toxicity to aquatic invertebrates	EC50 (24 h) 10 g/L

·12.2 Persistence and degradability: Readily biodegradable.

64-17-5	Ethanol	BOD ₅ =1.067 - 1.236 g O ₂ /g test material; COD=1.99 g O ₂ /g test material; Readily biodegradable in water
122-99-6	2-phenoxyethanol	Readily biodegradable in water
57-55-6	Propylene glycol	Readily biodegradable in water
56-81-5	Glycerin	Readily biodegradable in water

·12.3 Bio-accumulative potential: Low bio-accumulation.

64-17-5	Ethanol	Log Pow = -0.77 - -0.3 at 24 - 25 °C and pH 7 - 7.4
122-99-6	2-phenoxyethanol	Log Pow= 1.107 - 1.2 at 23 °C and pH 5 - 9
57-55-6	Propylene glycol	Log Pow= -1.07 at 20.5 °C and pH 6.2 - 6.4
56-81-5	Glycerin	Log Pow= -1.75 at 25 °C and pH 7.4

·12.4 Mobility in soil: High mobility in soil.

122-99-6	2-phenoxyethanol	Log Koc= 40.74 at 20 °C; Henrys law constant= 0.002 Pa.m ³ /mol at 20 °C
57-55-6	Propylene glycol	Log Koc=2.9 at 20 °C

·12.5 Results of PBT and vPvB assessment

PBT: Not applicable

vPvB: Not applicable

·12.6 Other adverse effects: No known other adverse effects.

·12.7 Additional ecological information

·**General notes:** Water hazard class 1(German Regulation) (self-assessment): Low hazard to waters.
Do not allow large quantities of the product to reach ground water, water course or sewage system.

SECTION 13: Disposal consideration


·13.1 Waste treatment methods

·**Recommendation:** Must not be disposed together with household garbage.

·13.2 Un-cleaned packaging

·**Recommendation:** Dispose of contents/container in according to the local/regional/national/ international regulation.

SECTION 14: Transport information

·14.1 UN-Number ADR, RID, ADN, IMDG, IATA	UN3175
·14.2 UN proper shipping name IATA	Solids containing flammable liquid, n.o.s.
·14.3 Transport hazard class (es) ADR, RID, ADN, IMDG, IATA Class Label	 4.1 Flammable solid 4.1
·14.4 Packing group ADR, RID, ADN, IMDG, IATA	II
·14.5 Marine pollution	No
·14.6 Special precautions for user ·Danger code (Kemler) ·EMS number	Warning: Flammable solid 40 F-A,S-I
·14.7 UN "Model Regulation"	UN3175, Solids containing flammable liquid, n.o.s., 4.1, II

SECTION 15: Regulatory information

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

·**MAK (German Maximum Workplace Concentration):**

64-17-5	Ethanol	5
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·**Directive 2012/18/EU**

·**Named dangerous substances-ANNEX I:** None of the ingredients is listed.

·**Seveso category:** Not applicable

·**Qualifying quantity (tonnes) for the application of lower-tier requirements:** Not applicable

·**Qualifying quantity (tonnes) for the application of upper-tier requirements:** Not applicable.

·**National regulations.**

·**Water hazard class:** Water hazard class 1 (German Regulation) (self-assessment): Low hazard to waters.

·**Other regulations, limitations and prohibitive regulations**

·**SVHC Candidate list of REACH Regulation Annex XIV Authorization:** None of the ingredients is listed.

·**REACH Regulation Annex XVII Restriction:** None of the ingredients is listed.

·**REACH Regulation Annex XIV Authorization List:** None of the ingredients is listed.

·15.2 Chemical safety assessment: A Chemical Safe Assessment has not been carried out.

SECTION 16: Other information

Relevant phrases:

H225 Highly flammable liquid and vapour
H301 Toxic if swallowed
H312 Harmful in contact with skin
H314 Causes severe skin burns and eye damage
H332 Harmful if inhaled
H400 Very toxic to aquatic life
H410 Very toxic to aquatic life with long lasting effects

The contents and format of this SDS are in accordance with Regulation (EC) No 1907/2006, 1272/2008 and Regulation (EU) No 2015/830.

DISCLAIMER OF LIABILITY:

The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.

Abbreviations and acronyms:

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

IMDG: International Maritime Code for Dangerous Goods.

IATA: International Air Transport Association.

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

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

PBT: Persistent, Bio accumulative and Toxic

SVHC: Substance of Very High Concern

LD50: Lethal dose, 50 percent

LC50: Lethal concentration, 50 percent

EC50: Concentration of maximal effect, 50 percent

IC50: Half maximal inhibitory concentration

NOEC: No observed effect concentration

BOD₅: Five days biochemical oxygen demand

COD: Chemical oxygen demand

Flam. Liq. 2: Flammable liquids, hazard category 2

Acute Tox. 3: Acute toxicity, hazard category 3

Acute Tox. 4: Acute toxicity, hazard category 4

Skin Corr. 1B: Skin corrosion/irritation, hazard category 1B

Aquatic Acute 1: Hazardous to the aquatic environment- acute toxic, hazard category 1

Aquatic Chronic 1: Hazardous to the aquatic environment- chronic toxic, hazard category 1

End of safety data sheet

