



Safety Data Sheet PERMLASTIC ADHESIVE

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product name : PERMLASTIC ADHESIVE

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

Relevant identified uses

Main use category : Professional use

Function or use category : Dental materials

Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Supplier

Kerr Italia S.r.l.
Via Passanti, 332
84018 Scafati (SA) - Italy
T +39-081-850-8311
E-mail: safety@kerrhawe.com

Manufacturer

Kerr Italia S.r.l.
Via Passanti, 332
84018 Scafati (SA) - Italy
T +39-081-850-8311
E-mail: safety@kerrhawe.com

Contact person : safety@kerrhawe.com - tel. 00-800-41-050-505 (08.00-17.00)

1.4. Emergency telephone number

Emergency number : CHEMTREC® Emergency Call Center. Emergency Telephone Number (for USA only) 001-800-424-9300 International and Maritime Telephone Number +1 (703) 527-3887

Country	Organisation/Company	Address	Emergency number
United Kingdom	National Poisons Information Service (Newcastle Unit)	Claremont Place Newcastle-upon-Tyne, Newcastle	+44 191 2606182/+44 191 2606180 24H

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Flam. Liq. 2	H225
Skin Irrit. 2	H315
Eye Irrit. 2	H319
Repr. 2	H361d
STOT SE 3	H336
STOT RE 2	H373
Aquatic Acute 1	H400
Aquatic Chronic 2	H411

Full text of hazard classes and H-statements : see section 16

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP) :



GHS02



GHS07



GHS08



GHS09

Signal word (CLP) : Danger

Hazardous ingredients : acetone, propan-2-one, propanone; toluene

Hazard statements (CLP)	: H225 - Highly flammable liquid and vapour H315 - Causes skin irritation H319 - Causes serious eye irritation H336 - May cause drowsiness or dizziness H361d - Suspected of damaging the unborn child H373 - May cause damage to organs through prolonged or repeated exposure H410 - Very toxic to aquatic life with long lasting effects
Precautionary statements (CLP)	: P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking P233 - Keep container tightly closed P403+P235 - Store in a well-ventilated place. Keep cool P281 - Use personal protective equipment as required P280 - Wear eye protection, protective gloves P201 - Obtain special instructions before use P337+P313 - If eye irritation persists: Get medical advice/attention P308+P313 - IF exposed or concerned: Get medical advice/attention P260 - Do not breathe vapours, fume, mist P273 - Avoid release to the environment P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation
Extra phrases	: The product is seen as a medical device and therefore not subject to labelling (EU-regulation 1907/2006, article 2, paragraph 6c)

2.3. Other hazards

Other hazards not contributing to the classification : None under normal conditions.

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII

This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
acetone, propan-2-one, propanone	(CAS No) 67-64-1 (EC no) 200-662-2 (EC index no) 606-001-00-8 (REACH-no) 01-2119471330-49	=>50 - <75	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336
zinc oxide	(CAS No) 1314-13-2 (EC no) 215-222-5 (EC index no) 030-013-00-7 (REACH-no) 01-2119463881-32	=>2,5 - <25	Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410
butanone, ethyl methyl ketone	(CAS No) 78-93-3 (EC no) 201-159-0 (EC index no) 606-002-00-3 (REACH-no) 01-2119457290-43	=>15 - <20	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336
toluene	(CAS No) 108-88-3 (EC no) 203-625-9 (EC index no) 601-021-00-3 (REACH-no) 01-2119471310-51	=>15 - <20	Flam. Liq. 2, H225 Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Repr. 2, H361d STOT SE 3, H336 STOT RE 2, H373 Asp. Tox. 1, H304 Aquatic Chronic 3, H412
salicylic acid	(CAS No) 69-72-7 (EC no) 200-712-3	=>5 - <7	Acute Tox. 4 (Oral), H302 Eye Irrit. 2, H319 Repr. 2, H361d

Full text of H-statements: see section 16

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

First-aid measures general	: If medical advice is needed, have product container or label at hand.
First-aid measures after inhalation	: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell.

- | | | |
|---------------------------------------|---|--|
| First-aid measures after skin contact | : | Gently wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. |
| First-aid measures after eye contact | : | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get immediate medical advice/attention. |
| First-aid measures after ingestion | : | Do NOT induce vomiting. Get immediate medical advice/attention. Drink plenty of water. If swallowed, rinse mouth with water (only if the person is conscious). |

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

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|--------------------------------------|---|---|
| Symptoms/injuries | : | Suspected of damaging the unborn child. |
| Symptoms/injuries after inhalation | : | May cause drowsiness or dizziness. |
| Symptoms/injuries after skin contact | : | Causes skin irritation. |
| Symptoms/injuries after eye contact | : | Causes serious eye irritation. |
| Chronic symptoms | : | May cause damage to organs. |

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

No specific measures identified.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

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|--------------------------------|---|--|
| Suitable extinguishing media | : | Use extinguishing media appropriate for surrounding fire. Foam, carbon dioxide (CO2) and powder. |
| Unsuitable extinguishing media | : | Do not use a heavy water stream. |

5.2. Special hazards arising from the substance or mixture

- | | | |
|--|---|---|
| Fire hazard | : | Highly flammable liquid and vapour. Vapours are heavier than air and spread above ground. |
| Hazardous decomposition products in case of fire | : | Carbon dioxide. Carbon monoxide. Nitrogen oxides. metallic oxide. Hydrocarbons. Aldehydes. Ketones. Hydrogen cyanide. |

5.3. Advice for firefighters

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|--------------------------------|---|--|
| Firefighting instructions | : | Move containers away from the fire area if this can be done without risk. Use water spray or fog for cooling exposed containers. |
| Protection during firefighting | : | Do not enter fire area without proper personal protective equipment, including respiratory protection. |

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

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|------------------|---|---|
| General measures | : | Remove ignition sources. No open flames. No smoking. Use special care to avoid static electric charges. Do not eat, drink or smoke in areas where product is used. Avoid contact with skin and eyes. Do not breathe vapour. |
|------------------|---|---|

For non-emergency personnel

- | | | |
|----------------------|---|---------------------------------|
| Protective equipment | : | See Heading 8. |
| Emergency procedures | : | Evacuate unnecessary personnel. |

For emergency responders

No additional information available

6.2. Environmental precautions

Discharging into rivers and drains is forbidden.

6.3. Methods and material for containment and cleaning up

- | | | |
|-------------------------|---|--|
| For containment | : | Collect all waste in suitable and labelled containers and dispose according to local legislation. |
| Methods for cleaning up | : | Large spills: scoop solid spill into closing containers. Take up liquid spill into absorbent material. Notify authorities if product enters sewers or public waters. |

6.4. Reference to other sections

For further information refer to section 13.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

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|-------------------------------|---|--|
| Precautions for safe handling | : | Do not eat, drink or smoke when using this product. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Avoid contact with skin, eyes and clothing. Wear personal protective equipment. Do not breathe vapours. |
| Hygiene measures | : | Always wash hands after handling the product. Do not eat, drink or smoke when using this product. Remove contaminated clothes. Wash contaminated clothing before reuse. |

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep only in original container. Keep container tightly closed. Store in a dry place. Store in a well-ventilated place. Keep cool.
- Incompatible materials : Oxidizing substances. Acids.

7.3. Specific end use(s)

Consult the supplier for further information.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**8.1. Control parameters**

butanone, ethyl methyl ketone (78-93-3)		
EU	Local name	Butanone
EU	IOELV TWA (mg/m ³)	600 mg/m ³
EU	IOELV TWA (ppm)	200 ppm
EU	IOELV STEL (mg/m ³)	900 mg/m ³
EU	IOELV STEL (ppm)	300 ppm
United Kingdom	Local name	Butan-2-one (methyl ethyl ketone)
United Kingdom	WEL TWA (mg/m ³)	600 mg/m ³
United Kingdom	WEL TWA (ppm)	200 ppm
United Kingdom	WEL STEL (mg/m ³)	899 mg/m ³
United Kingdom	WEL STEL (ppm)	300 ppm
United Kingdom	Remark (WEL)	Sk (Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity), BMGV (Biological monitoring guidance values are listed in Table 2)
acetone, propan-2-one, propanone (67-64-1)		
EU	Local name	Acetone
EU	IOELV TWA (mg/m ³)	1210 mg/m ³
EU	IOELV TWA (ppm)	500 ppm
United Kingdom	Local name	Acetone
United Kingdom	WEL TWA (mg/m ³)	1210 mg/m ³
United Kingdom	WEL TWA (ppm)	500 ppm
United Kingdom	WEL STEL (mg/m ³)	3620 mg/m ³
United Kingdom	WEL STEL (ppm)	1500 ppm
toluene (108-88-3)		
EU	Local name	Toluène
EU	IOELV TWA (mg/m ³)	192 mg/m ³
EU	IOELV TWA (ppm)	50 ppm
EU	IOELV STEL (mg/m ³)	384 mg/m ³
EU	IOELV STEL (ppm)	100 ppm
EU	Notes	Peau
United Kingdom	Local name	Toulene
United Kingdom	WEL TWA (mg/m ³)	191 mg/m ³
United Kingdom	WEL TWA (ppm)	50 ppm
United Kingdom	WEL STEL (mg/m ³)	384 mg/m ³
United Kingdom	WEL STEL (ppm)	100 ppm
United Kingdom	Remark (WEL)	Sk (Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity)

8.2. Exposure controls

- Appropriate engineering controls : Ensure good ventilation of the work station. Emergency eye wash fountains should be available in the immediate vicinity of any potential exposure.
- Personal protective equipment : Gloves. Safety glasses.

Hand protection	: Wear suitable gloves. Protective gloves made of PVA. Viton. Butyl rubber. Layer thickness : 0,09mm. Breakthrough time : >480 min. STANDARD EN 374
Eye protection	: STANDARD EN 166. Use splash goggles when eye contact due to splashing is possible
Skin and body protection	: Wear suitable protective clothing
Respiratory protection	: No special respiratory protection equipment is recommended under normal conditions of use with adequate ventilation. In case of insufficient ventilation, wear suitable respiratory equipment. Extra personal protection: A/P2 filter respirator for organic vapour and harmful dust. Standard EN 143



Other information	: Personal protective equipment should be chosen according to the CEN standards and in discussion with the supplier of the protective equipment. Do not eat, drink or smoke during use. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.
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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: brown.
Odour	: Sweet. Fruity. Organic solvents.
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butylacetate=1)	: 1.9
Melting point	: No data available
Freezing point	: No data available
Boiling point	: 55.6 °C
Flash point	: -18 °C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: 24 kPa
Relative vapour density at 20 °C	: 2
Relative density	: 0.86 - 0.89
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: 175 - 350 mPa.s
Explosive properties	: No data available
Oxidising properties	: Highly flammable liquid and vapour.
Explosive limits	: 2.6 - 12.8 vol %

9.2. Other information

No additional information available

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No polymerization.

10.4. Conditions to avoid

No flames, no sparks. Eliminate all sources of ignition. Keep away from heat and direct sunlight.

10.5. Incompatible materials

Oxidizing agent. Acids.

10.6. Hazardous decomposition products

No decomposition if stored normally.

SECTION 11: TOXICOLOGICAL INFORMATION**11.1. Information on toxicological effects**

Acute toxicity : Not classified
 On ingestion :
 Depression of the central nervous system, headaches, dizziness, drowsiness, loss of coordination
 May cause gastrointestinal irritation, nausea, vomiting and diarrhoea

butanone, ethyl methyl ketone (78-93-3)	
LD50 oral rat	2000 mg/kg
LD50 dermal rabbit	5000 mg/kg
LC50 inhalation rat (mg/l)	9 mg/l/4h

acetone, propan-2-one, propanone (67-64-1)	
LD50 oral rat	5800 mg/kg
LD50 dermal rabbit	20000 mg/kg
LC50 inhalation rat (mg/l)	100 mg/l 5h
LC50 inhalation rat (Vapours - mg/l/4h)	76 mg/l/4h

toluene (108-88-3)	
LD50 oral rat	636 mg/kg
LD50 dermal rat	12124 mg/kg
LD50 dermal rabbit	12300 mg/kg

salicylic acid (69-72-7)	
LD50 oral rat	890 mg/kg
LD50 dermal rat	> 2000 mg/kg
LD50 dermal rabbit	> 10000 mg/kg

zinc oxide (1314-13-2)	
LD50 oral rat	> 5000 mg/kg
LD50 dermal rat	> 2000 mg/kg
LC50 inhalation rat (mg/l)	0.4 mg/l/4h

Skin corrosion/irritation : Causes skin irritation.
 Serious eye damage/irritation : Causes serious eye irritation.
 Respiratory or skin sensitisation : Not classified
 Germ cell mutagenicity : Not classified
 Carcinogenicity : Not classified
 Reproductive toxicity : Suspected of damaging the unborn child.
 Specific target organ toxicity (single exposure) : May cause drowsiness or dizziness.
 Specific target organ toxicity (repeated exposure) : May cause damage to organs through prolonged or repeated exposure.
 Aspiration hazard : Not classified

SECTION 12: ECOLOGICAL INFORMATION**12.1. Toxicity**

Ecology - water : Very toxic to aquatic life with long lasting effects.

butanone, ethyl methyl ketone (78-93-3)	
LC50 fish 1	400 mg/l (96 hours - <i>Lepomis macrochirus</i>)
EC50 Daphnia 1	> 520 mg/l (48 hours - <i>Daphnia magna</i>)
IC50 algae	110 mg/l (IC50, 72 hours)
Threshold limit algae 1	110 mg/l

acetone, propan-2-one, propanone (67-64-1)	
LC50 fish 1	635 mg/l (96 hours - <i>Pimephales promelas</i>)
EC50 Daphnia 1	10 mg/l (48 hours - <i>Daphnia magna</i>)

toluene (108-88-3)	
LC50 fish 1	6.4 mg/l 96h (<i>Oncorhynchus mykiss</i>)
EC50 Daphnia 1	12.5 mg/l 48h (<i>Daphnia magna</i>)

zinc oxide (1314-13-2)	
LC50 fish 1	1.1 mg/l (96 hours - Rainbow trout)

toluene (108-88-3)	
LC50 fish 1	6.4 mg/l 96h (Oncorhynchus mykiss)
EC50 Daphnia 1	0.098 mg/l (48 hours - Daphnia magna)
IC50 algae	0.042 mg/l 72 hours - Pseudokirchnerella subcapitata
NOEC (chronic)	0.017 mg/l 72 hours - Pseudokirchnerella subcapitata

12.2. Persistence and degradability

PERMLASTIC ADHESIVE	
Persistence and degradability	No data available.
acetone, propan-2-one, propanone (67-64-1)	
Persistence and degradability	Biodegradable.
BOD (% of ThOD)	0.96 % ThOD BOD5/COD
Biodegradation	< 78 % (28 days, method: OECD 301B)
toluene (108-88-3)	
BOD (% of ThOD)	0 - 0.065 % ThOD BOD5/COD
Biodegradation	> 60 % OECD 301C
salicylic acid (69-72-7)	
Biodegradation	88.1 % (15 days, method: OECD 301C)

12.3. Bioaccumulative potential

PERMLASTIC ADHESIVE	
Bioaccumulative potential	No data.
butanone, ethyl methyl ketone (78-93-3)	
Log Pow	0.61
acetone, propan-2-one, propanone (67-64-1)	
Bioconcentration factor (BCF REACH)	0.69
Log Pow	-0.27
toluene (108-88-3)	
Bioconcentration factor (BCF REACH)	10 - 90
Log Pow	2.75
salicylic acid (69-72-7)	
Bioconcentration factor (BCF REACH)	10000
Log Pow	2.26
zinc oxide (1314-13-2)	
Log Pow	< 0

12.4. Mobility in soil

PERMLASTIC ADHESIVE	
Ecology - soil	No data.

12.5. Results of PBT and vPvB assessment

PERMLASTIC ADHESIVE	
This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII	
This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII	

12.6. Other adverse effects

Other adverse effects	: None to our knowledge.
Additional information	: No other effects known

SECTION 13: DISPOSAL CONSIDERATIONS**13.1. Waste treatment methods**

Regional legislation (waste)	: Dispose as hazardous waste.
Waste treatment methods	: Recover the product with absorbent material. Dispose of contents/container in accordance with licensed collector's sorting instructions.
Waste disposal recommendations	: Dispose of contents/container to an authorised waste collection point.
Ecology - waste materials	: Avoid release to the environment.
European List of Waste (LoW) code	: 18 01 06* - chemicals consisting of or containing dangerous substances 08 04 09* - waste adhesives and sealants containing organic solvents or other dangerous substances 20 01 27* - paint, inks, adhesives and resins containing dangerous substances

SECTION 14: TRANSPORT INFORMATION

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

14.1. UN number

UN-No. (ADR) : 1133
 UN-No. (IMDG) : 1133
 UN-No. (IATA) : 1133
 UN-No. (RID) : 1133

14.2. UN proper shipping name

Proper Shipping Name (ADR) : ADHESIVES
 Proper Shipping Name (IMDG) : ADHESIVES
 Proper Shipping Name (IATA) : Adhesives
 Proper Shipping Name (RID) : ADHESIVES
 Transport document description (ADR) : UN 1133 ADHESIVES, 3, II, (D/E), ENVIRONMENTALLY HAZARDOUS
 Transport document description (IMDG) : UN 1133 ADHESIVES, 3, II, MARINE POLLUTANT/ENVIRONMENTALLY HAZARDOUS

14.3. Transport hazard class(es)**ADR**

Transport hazard class(es) (ADR) : 3
 Danger labels (ADR) : 3

**IMDG**

Transport hazard class(es) (IMDG) : 3
 Danger labels (IMDG) : 3

**IATA**

Transport hazard class(es) (IATA) : 3
 Hazard labels (IATA) : 3

**RID**

Transport hazard class(es) (RID) : 3
 Danger labels (RID) : 3

**14.4. Packing group**

Packing group (ADR) : II
 Packing group (IMDG) : II
 Packing group (IATA) : II
 Packing group (RID) : II

14.5. Environmental hazards

Dangerous for the environment	: Yes
Marine pollutant	: Yes
Other information	: No supplementary information available

14.6. Special precautions for user**- Overland transport**

Classification code (ADR)	: F1
Special provisions (ADR)	: 640D
Limited quantities (ADR)	: 5I
Excepted quantities (ADR)	: E2
Packing instructions (ADR)	: P001, IBC02, R001
Special packing provisions (ADR)	: PP1
Mixed packing provisions (ADR)	: MP19
Portable tank and bulk container instructions (ADR)	: T4
Portable tank and bulk container special provisions (ADR)	: TP1, TP8
Tank code (ADR)	: LGBF
Vehicle for tank carriage	: FL
Transport category (ADR)	: 2
Special provisions for carriage - Operation (ADR)	: S2, S20
Hazard identification number (Kemler No.)	: 33
Orange plates	:



Tunnel restriction code (ADR)	: D/E
EAC code	: •3YE

- Transport by sea

Limited quantities (IMDG)	: 5 L
Excepted quantities (IMDG)	: E2
Packing instructions (IMDG)	: P001
Special packing provisions (IMDG)	: PP1
IBC packing instructions (IMDG)	: IBC02
Tank instructions (IMDG)	: T4
Tank special provisions (IMDG)	: TP1, TP8
EmS-No. (Fire)	: F-E
EmS-No. (Spillage)	: S-D
Stowage category (IMDG)	: B
Properties and observations (IMDG)	: Adhesives are solutions of gums, resins, etc., usually volatile due to the solvents. Miscibility with water depends upon their composition.

- Air transport

PCA Excepted quantities (IATA)	: E2
PCA Limited quantities (IATA)	: Y341
PCA limited quantity max net quantity (IATA)	: 1L
PCA packing instructions (IATA)	: 353
PCA max net quantity (IATA)	: 5L
CAO packing instructions (IATA)	: 364
CAO max net quantity (IATA)	: 60L
Special provisions (IATA)	: A3
ERG code (IATA)	: 3L

Rail transport

No data available

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

IBC code : Not applicable.

SECTION 15: REGULATORY INFORMATION**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****EU-Regulations**

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

National regulations

EC-regulation 453/2010/EC, 1907/2006/EC (REACH), 1272/2008/EC (CLP), 790/2009/EC. Transport of dangerous goods (ADR/RID, IMDG, IATA/ICAO). Workplace exposure limits

15.2. Chemical safety assessment

No chemical safety assessment has been carried out for the substance or the mixture by the supplier

SECTION 16: OTHER INFORMATION

Indication of changes:

Hazards identification. Composition/information on ingredients. Physical and chemical properties.

2.1	Classification according to Regulation (EC) No. 1272/2008 [CLP]	Modified	
2.2	Precautionary statements (CLP)	Modified	
2.2	Hazard statements (CLP)	Modified	
3	Composition/information on ingredients	Modified	
5.2	Hazardous decomposition products in case of fire	Modified	
8.2	Hand protection	Modified	
8.2	Other information	Modified	
9.1	Viscosity, dynamic	Modified	
9.1	Vapour pressure	Modified	
11.1	Additional information	Modified	
12.1	Ecology - water	Modified	
13.1	Waste disposal recommendations	Modified	
13.1	European List of Waste (LoW) code	Modified	

Data sources : EC-regulation 453/2010/EC, 1907/2006/EC (REACH), 1272/2008/EC (CLP), 790/2009/EC. Transport of dangerous goods (ADR/RID, IMDG, IATA/ICAO). Workplace exposure limits.

Date of issue : 23/02/2004

Revision date : 03/03/2016

Supersedes : 05/10/2015

Version : 5.0

Signature : A. Åsebø Murel

Full text of H- and EUH-statements:

Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Acute 1	Hazardous to the aquatic environment — Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment — Chronic Hazard, Category 1
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
Aquatic Chronic 3	Hazardous to the aquatic environment — Chronic Hazard, Category 3
Asp. Tox. 1	Aspiration hazard, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Liq. 2	Flammable liquids, Category 2
Repr. 2	Reproductive toxicity, Category 2
Skin Irrit. 2	Skin corrosion/irritation, Category 2

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STOT RE 2	Specific target organ toxicity — Repeated exposure, Category 2	
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Narcosis	
H225	Highly flammable liquid and vapour	
H302	Harmful if swallowed	
H304	May be fatal if swallowed and enters airways	
H315	Causes skin irritation	
H319	Causes serious eye irritation	
H336	May cause drowsiness or dizziness	
H361d	Suspected of damaging the unborn child	
H373	May cause damage to organs through prolonged or repeated exposure	
H400	Very toxic to aquatic life	
H410	Very toxic to aquatic life with long lasting effects	
H411	Toxic to aquatic life with long lasting effects	
H412	Harmful to aquatic life with long lasting effects	

The information in this safety data sheet is based on information from the manufacturer/supplier, present European and national legislation, and presupposes that the product is used within the specified area of application.