SAFETY DATA SHEET

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

1.1. Product identifier

Trade name or designation of the mixture	Hylomar 760 / Hylomar 5059 / Hylomar HY5172
Registration number	-
Synonyms	None.
SDS number	35
Issue date	21-January-2013
Version number	01
Revision date	-
Supersedes date	-

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

Identified uses	Pipe thread sealant.
Uses advised against	None known.

1.3. Details of the supplier of the safety data sheet

Manufacturer:	Hylomar Ltd.
Address:	Hylo House, Cale Lane, New Springs, Wigan, Greater Manchester, UK, WN2 1JT
Telephone number:	+44(0)1942 617000
E-mail address:	info@hylomar.co.uk
Contact person:	Technical Department
1.4. Emergency telephone number	1-760-476-3961 Access code: 333544

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 Directive 67/548/EEC or 1999/45/EC as amended

This preparation is classified as dangerous according to Directive 1999/45/EC and its amendments.

Classification Xi;R36/37, R43

The full text for all R-phrases is displayed in section 16.

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

Health hazards

Skin corrosion/irritation	Category 2	H315 - Causes skin irritation.
Serious eye damage/eye irritation	Category 1	H318 - Causes serious eye damage.
Skin sensitisation	Category 1	H317 - May cause an allergic skin reaction.
Specific target organ toxicity - single exposure	Category 3 respiratory tract irritation	H335 - May cause respiratory irritation.

Hazard summary

Physical hazards	Not classified for physical hazards.
Health hazards	Irritating to eyes and respiratory system. May cause sensitisation by skin contact.
Environmental hazards	Not classified for hazards to the environment.
Specific hazards	Irritating to eyes and respiratory system. May cause allergic skin reaction.
Main symptoms	Irritation of eyes and mucous membranes. Exposed may experience eye tearing, redness, and discomfort. May cause allergic skin reaction. Rash. In high concentrations, vapours may be irritating to the respiratory system. Skin and eye burns.

2.2. Label elements

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

Contains: 1-(2-Hydroxyethyl) piperazine, Cumene hydroperoxide, Ethoxylated Bisphenol A Dimethacrylate

Hazard pictograms

Signal word Danger

Hazard statements
H315 - Causes skin irritation.
H317 - May cause an allergic skin reaction.
H318 - Causes serious eye damage.
H335 - May cause respiratory irritation.

Precautionary statements

Prevention
P261 - Avoid breathing fume/mist/vapors/spray.
P272 - Contaminated work clothing should not be allowed out of the workplace.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P264 - Wash thoroughly after handling.
P271 - Use only outdoors or in a well-ventilated area.

Response
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.
P302 + P352 - IF ON SKIN: Wash with plenty of soap and water.
P333 + P313 - If skin irritation or rash occurs: Get medical advice/attention.
P304 + P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P312 - Call a poison center/doctor if you feel unwell.
P363 - Wash contaminated clothing before reuse.

Storage
P403 + P233 - Store in a well-ventilated place. Keep container tightly closed.
P405 - Store locked up.

Disposal
P501 - Dispose of contents/container in accordance with local/regional/national/international regulations.

Supplemental label information Not applicable.

2.3. Other hazards In high concentrations, vapours may irritate throat and respiratory system and cause coughing.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

General information

Chemical name	%	CAS-No. / EC No.	REACH Registration No.	INDEX No.	Notes
Ethoxylated Bisphenol A Dimethacrylate	60 - < 70	24448-20-2 246-263-7	-	-	
Classification: **DSD:** R43 **CLP:** Skin Sens. 1;H317					
Hexylene glycol	5 - < 10	107-41-5 203-489-0	-	603-053-00-3	
Classification: **DSD:** Xi;R36/38 **CLP:** Skin Irrit. 2;H315, Eye Irrit. 2;H319					
1-(2-Hydroxyethyl) piperazine	1 - < 3	103-76-4 203-142-3	-	-	
Classification: **DSD:** Xi;R38-41 **CLP:** Skin Irrit. 2;H315, Eye Dam. 1;H318					

Chemical name	%	CAS-No. / EC No.	REACH Registration No.	INDEX No.	Notes
Cumene hydroperoxide	1 - < 3	80-15-9 201-254-7	-	617-002-00-8	

Classification: **DSD:** O;R7, T;R23, C;R34, Xn;R21/22-48/20/22, N;R51/53

CLP: Org. Perox. E;H242, Acute Tox. 4;H302, Acute Tox. 4;H312, Skin Corr. 1B;H314, Acute Tox. 3;H331, STOT RE 2;H373, Aquatic Chronic 2;H411

#: This substance has been assigned Community workplace exposure limit(s).
CLP: Regulation No. 1272/2008.
DSD: Directive 67/548/EEC.

Composition comments The full text for all R- and H-phrases is displayed in section 16. All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

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 into fresh air and keep at rest. If not breathing, give artificial respiration or give oxygen by trained personnel. Get medical attention if any discomfort continues.

Skin contact Take off immediately all contaminated clothing. Wash skin thoroughly with soap and water. If skin irritation or rash occurs: Get medical advice/attention.

Eye contact Flush eyes thoroughly with water for at least 15 minutes. Remove any contact lenses. Get medical attention immediately.

Ingestion Rinse mouth thoroughly. Drink a few glasses of water or milk. Get medical attention if any discomfort continues.

4.2. Most important symptoms and effects, both acute and delayed Irritation of eyes and mucous membranes. Exposed may experience eye tearing, redness, and discomfort. May cause an allergic skin reaction. Rash. In high concentrations, vapours may be irritating to the respiratory system.

4.3. Indication of any immediate medical attention and special treatment needed Provide general supportive measures and treat symptomatically.

SECTION 5: Firefighting measures

General fire hazards The product is not flammable.

5.1. Extinguishing media

Suitable extinguishing media Water spray, foam, dry powder or carbon dioxide.

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 By heating and fire, toxic vapours/gases 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. Selection of respiratory protection for firefighting: follow the general fire precautions indicated in the workplace.

Special fire fighting procedures Cool containers exposed to heat with water spray and remove container, if no risk is involved. Prevent runoff from fire control or dilution from entering streams, sewers or drinking water supply.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel Keep upwind. Ventilate closed spaces before entering. Avoid inhalation of vapours/spray and contact with skin and eyes.

For emergency responders Keep unnecessary personnel away. Wear protective clothing as described in Section 8 of this safety data sheet.

6.2. Environmental precautions Prevent further leakage or spillage if safe to do so. Do not discharge into drains, water courses or onto the ground.

6.3. Methods and material for containment and cleaning up

Ventilate the area. Scrape up the spilled material. Transfer to a container for disposal. For waste disposal, see Section 13.

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

Never return spills in original containers for re-use.

6.4. Reference to other sections

For personal protection, see section 8. For waste disposal, see section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Use only outdoors or in a well-ventilated area. Avoid inhalation of vapours/spray and contact with skin and eyes. Wear protective clothing as described in Section 8 of this safety data sheet. Wash thoroughly after handling. Wash contaminated clothing before reuse. Observe good industrial hygiene practices. Avoid release to the environment.

7.2. Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a cool, well-ventilated place. Store away from incompatible materials.

7.3. Specific end use(s)

Pipe thread sealant.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limits

Austria. MAK List

Components	Type	Value	Form
Hexylene glycol (CAS 107-41-5)	Ceiling	49 mg/m3	
		10 ppm	
	MAK	49 mg/m3	
		10 ppm	
Silica, amorphous, fumed (CAS 112945-52-5)	MAK	4 mg/m3	Inhalable fraction.

Belgium. Exposure Limit Values.

Components	Type	Value
Hexylene glycol (CAS 107-41-5)	TWA	123 mg/m3
		25 ppm

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

Components	Type	Value	Form
Silica, amorphous, fumed (CAS 112945-52-5)	TWA	10 mg/m3	Inhalable fraction.
		0,07 mg/m3	Respirable fraction.

Cyprus. OELs. Control of factory atmosphere and dangerous substances in factories regulation, PI 311/73, as amended.

Components	Type	Value
Silica, amorphous, fumed (CAS 112945-52-5)	TWA	2 mg/m3

Czech Republic. OELs. Government Decree 361

Components	Type	Value	Form
Silica, amorphous, fumed (CAS 112945-52-5)	TWA	4 mg/m3	Dust.

Denmark. Exposure Limit Values

Components	Type	Value
Hexylene glycol (CAS 107-41-5)	Ceiling	125 mg/m3
		25 ppm

Estonia. OELs. Occupational Exposure Limits of Hazardous Substances. (Annex of Regulation No. 293 of 18 September 2001)

Components	Type	Value	Form
Silica, amorphous, fumed (CAS 112945-52-5)	TWA	2 mg/m3	Respirable dust.

Finland. Workplace Exposure Limits

Components	Type	Value
Hexylene glycol (CAS 107-41-5)	STEL	200 mg/m3
		40 ppm
	TWA	120 mg/m3
		25 ppm
Silica, amorphous, fumed (CAS 112945-52-5)	TWA	5 mg/m3

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

Components	Type	Value
Hexylene glycol (CAS 107-41-5)	VLE	125 mg/m3
		25 ppm

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

Components	Type	Value
Hexylene glycol (CAS 107-41-5)	TWA	49 mg/m3
		10 ppm

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

Components	Type	Value	Form
Silica, amorphous, fumed (CAS 112945-52-5)	AGW	4 mg/m3	Inhalable fraction.

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

Components	Type	Value
Hexylene glycol (CAS 107-41-5)	STEL	125 mg/m3
		25 ppm
	TWA	125 mg/m3
		25 ppm

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

Components	Type	Value
Hexylene glycol (CAS 107-41-5)	STEL	125 mg/m3
		25 ppm

Ireland. Occupational Exposure Limits

Components	Type	Value	Form
Hexylene glycol (CAS 107-41-5)	STEL	125 mg/m3	
		25 ppm	
Silica, amorphous, fumed (CAS 112945-52-5)	TWA	6 mg/m3	Total inhalable dust.
		2,4 mg/m3	Respirable dust.

Italy. OELs

Components	Type	Value
Hexylene glycol (CAS 107-41-5)	Ceiling	25 ppm

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

Components	Type	Value
Cumene hydroperoxide (CAS 80-15-9)	TWA	1 mg/m3
Silica, amorphous, fumed (CAS 112945-52-5)	TWA	1 mg/m3

Lithuania. OELs. Limit Values for Chemical Substances, General Requirements (Hygiene Norm HN 23:2007)

Components	Type	Value
Cumene hydroperoxide (CAS 80-15-9)	TWA	1 mg/m3
Hexylene glycol (CAS 107-41-5)	Ceiling	120 mg/m3
		25 ppm

Norway. Administrative Norms for Contaminants in the Workplace

Components	Type	Value	Form
Hexylene glycol (CAS 107-41-5)	Ceiling	100 mg/m3	
		20 ppm	
Silica, amorphous, fumed (CAS 112945-52-5)	TLV	1,5 mg/m3	Respirable dust.

Poland. MACs. Minister of Labour and Social Policy Regarding Maximum Allowable Concentrations and Intensities in Working Environment

Components	Type	Value
Hexylene glycol (CAS 107-41-5)	Ceiling	120 mg/m3

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

Components	Type	Value
Hexylene glycol (CAS 107-41-5)	Ceiling	25 ppm

Slovakia. OELs. Decree of the government of the Slovak Republic concerning protection of health in work with chemical agents

Components	Type	Value
Silica, amorphous, fumed (CAS 112945-52-5)	TWA	0,3 mg/m3

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	Form
Hexylene glycol (CAS 107-41-5)	TWA	49 mg/m3	
		10 ppm	
Silica, amorphous, fumed (CAS 112945-52-5)	TWA	4 mg/m3	Inhalable fraction.

Spain. Occupational Exposure Limits

Components	Type	Value
Hexylene glycol (CAS 107-41-5)	STEL	123 mg/m3
		25 ppm

Sweden. Occupational Exposure Limit Values

Components	Type	Value
Hexylene glycol (CAS 107-41-5)	Ceiling	120 mg/m3
		25 ppm

Switzerland. SUVA Grenzwerte am Arbeitsplatz

Components	Type	Value
Hexylene glycol (CAS 107-41-5)	STEL	98 mg/m3
		20 ppm

Switzerland. SUVA Grenzwerte am Arbeitsplatz

Components	Type	Value
	TWA	49 mg/m3
		10 ppm

UK. EH40 Workplace Exposure Limits (WELs)

Components	Type	Value	Form
Hexylene glycol (CAS 107-41-5)	STEL	123 mg/m3	
		25 ppm	
	TWA	123 mg/m3	
		25 ppm	
Silica, amorphous, fumed (CAS 112945-52-5)	TWA	6 mg/m3	Inhalable dust.
		2,4 mg/m3	Respirable dust.

Biological limit values

Hungary. Chemical Safety at Workplace Ordinance Joint Decree No. 25/2000 (Annex 2): Permissible limit values of biological exposure (effect) indices

Components	Value	Determinant	Specimen	Sampling time
Silica, amorphous, fumed (CAS 112945-52-5)	25 %	red blood cell or total blood acetylcholinesterase activity (EC. 3.1.1.7.)	Reduction from individual baseline activity in red blood cells	*

* - For sampling details, please see the source document.

Recommended monitoring procedures Follow standard monitoring procedures.

Derived no-effect level (DNEL)

Components	Type	Route	Value	Form
Cumene hydroperoxide (CAS 80-15-9)	Workers	Inhalation	6 mg/m3	Long term Systemic effects
Hexylene glycol (CAS 107-41-5)	Workers	Dermal	2 mg/kg/day	Long term exposure systemic effects
		Inhalation	98 mg/m3	Acute exposure local effects
		Inhalation	49 mg/m3	Long term exposure local effects
		Inhalation	14 mg/m3	Long term exposure systemic effects

Predicted no effect concentrations (PNECs)

Components	Type	Route	Value	Form
Cumene hydroperoxide (CAS 80-15-9)	Aqua (freshwater)	Water	0,0012 mg/l	
	Aqua (intermittent releases)	Water	0,012 mg/l	
	Aqua (marine water)	Water	0,0001 mg/l	
	Sediment (freshwater)	Not applicable	0,253 mg/kg	
	Sediment (marine water)	Not applicable	0,0253 mg/kg	
	Sewage Treatment Plant	Not applicable	0,35 mg/l	
	Soil	Soil	0,056 mg/kg	
Hexylene glycol (CAS 107-41-5)	Aqua (freshwater)	Not applicable	0,429 mg/l	
	Aqua (intermittent releases)	Not applicable	4,29 mg/l	
	Aqua (marine water)	Not applicable	0,0429 mg/l	
	Sediment (freshwater)	Not applicable	1,79 mg/kg	
	Sediment (marine water)	Not applicable	0,179 mg/kg	
	Soil	Not applicable	0,11 mg/kg	

Components	Type	Route	Value	Form
	STP	Not applicable	20 mg/l	

8.2. Exposure controls

Appropriate engineering controls Provide adequate ventilation. Observe occupational exposure limits and minimise the risk of inhalation of dust and vapours.

Individual protection measures, such as personal protective equipment

General information Personal protective 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).

Skin protection

- Hand protection Wear protective gloves. Be aware that the liquid may penetrate the gloves. Frequent change is advisable. Suitable gloves can be recommended by the glove supplier. Butyl rubber gloves are recommended.

- Other Normal work clothing (long sleeved shirts and long pants) is recommended.

Respiratory protection If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn. In case of inadequate ventilation or risk of inhalation of vapours, use suitable respiratory equipment with combination filter (type A2/P2).

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 Environmental manager must be informed of all major releases.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance Paste.

Physical state Liquid.

Form Paste.

Colour White.

Odour Faint odour.

Odour threshold Not available.

pH Not available.

Melting point/freezing point Not available.

Initial boiling point and boiling range Not available.

Flash point > 100 °C (> 212 °F)

Evaporation rate Not available.

Flammability (solid, gas) Not applicable.

Upper/lower flammability or explosive limits

Flammability limit - lower (%) Not available.

Flammability limit - upper (%) Not available.

Vapour pressure Not available.

Vapour density > 1 (25 °C / 77 °F) (Air = 1)

Relative density 1,19 (25 °C / 77 °F)

Solubility(ies) Slightly soluble in water.

Partition coefficient (n-octanol/water) Not available.

Auto-ignition temperature Not available.

Decomposition temperature Not available.

Viscosity 20000 mPa·s (25 °C / 77 °F)

Explosive properties Not applicable.

Oxidizing properties Not available.

9.2. Other information

Explosive limit Not applicable.

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 None under normal conditions.

10.5. Incompatible materials Strong oxidising agents. Reducing Agents.

10.6. Hazardous decomposition products Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

SECTION 11: Toxicological information

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

Information on likely routes of exposure

Ingestion Ingestion may cause irritation and malaise.

Inhalation In high concentrations, vapours may irritate throat and respiratory system and cause coughing.

Skin contact Causes skin irritation. May cause sensitisation by skin contact.

Eye contact Causes serious eye damage.

Symptoms Irritation of eyes and mucous membranes. Exposed may experience eye tearing, redness, and discomfort. Skin irritation. May cause an allergic skin reaction. Rash. In high concentrations, vapours may be irritating to the respiratory system.

11.1. Information on toxicological effects

Acute toxicity

Components	Species	Test results
Cumene hydroperoxide (CAS 80-15-9)		
Acute		
Dermal		
LD50	Rat	500 mg/kg
Inhalation		
LC50	Rat	220 ppm, 4 hours
Oral		
LD50	Rat	800 mg/kg
Hexylene glycol (CAS 107-41-5)		
Acute		
Oral		
LD50	Rat	4,79 g/kg

Skin corrosion/irritation Causes skin irritation.

Serious eye damage/irritation Causes serious eye damage.

Respiratory sensitisation No data available.

Skin sensitisation May cause an allergic skin reaction.

Germ cell mutagenicity No data available.

Carcinogenicity Not available.

Reproductive toxicity No data available.

Specific target organ toxicity - single exposure In high concentrations, vapours may irritate throat and respiratory system and cause coughing.

Specific target organ toxicity - repeated exposure No data available.

Aspiration hazard No data available.

Mixture versus substance information No data available.

Other information No other specific acute or chronic health impact noted.

SECTION 12: Ecological information

12.1. Toxicity The product contains a substance which is toxic to aquatic organisms and which may cause long-term adverse effects in the aquatic environment.

Components		Species	Test results
1-(2-Hydroxyethyl) piperazine (CAS 103-76-4)			
Aquatic			
Fish	LC50	Fathead minnow (Pimephales promelas)	5970 - 6880 mg/l, 96 hours
Cumene hydroperoxide (CAS 80-15-9)			
Aquatic			
Crustacea	EC50	Daphnia	7 mg/l, 24 hours
Fish	LC50	Fish	3,9 mg/l, 96 hours

12.2. Persistence and degradability Not available.

12.3. Bioaccumulative potential Not available.

Bioconcentration factor (BCF) Not available.

12.4. Mobility in soil Not available.

Mobility in general The product is slightly soluble in water.

12.5. Results of PBT and vPvB assessment Not a PBT or vPvB substance or mixture.

12.6. Other adverse effects The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment. An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Residual waste Do not discharge into rivers, lakes, mountains, etc. because the product may affect the environment.

Contaminated packaging Empty containers should be taken to an approved waste handling site for recycling or disposal.

EU waste code 08 04 09*
The Waste code should be assigned in discussion between the user, the producer and the waste disposal company.

Disposal methods/information Do not discharge into drains, water courses or onto the ground. Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of contents/container in accordance with local/regional/national/international regulations.

Special precautions Dispose of in accordance with local regulations.

SECTION 14: Transport information

ADR

The product is not covered by international regulation on the transport of dangerous goods.

RID

The product is not covered by international regulation on the transport of dangerous goods.

ADN

The product is not covered by international regulation on the transport of dangerous goods.

IATA

The product is not covered by international regulation on the transport of dangerous goods.

IMDG

The product is not covered by international regulation on the transport of dangerous goods.

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable.

SECTION 15: Regulatory information

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

EU regulations

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

Not listed.

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

Not listed.

Regulation (EC) No. 850/2004 On persistent organic pollutants, Annex I as amended

Not listed.

Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 1 as amended

Not listed.

Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 2 as amended

Not listed.

Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 3 as amended

Not listed.

Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex V as amended

Not listed.

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

Not listed.

Regulation (EC) No. 1907/2006, REACH Article 59(1) Candidate List as currently published by ECHA

Not listed.

Authorisations

Regulation (EC) No. 143/2011 Annex XIV Substances Subject to Authorisation

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

Not regulated.

Directive 92/85/EEC: on the safety and health of pregnant workers and workers who have recently given birth or are breastfeeding

Not regulated.

Other EU regulations

Directive 96/82/EC (Seveso II) on the control of major-accident hazards involving dangerous substances

Not regulated.

Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

Cumene hydroperoxide (CAS 80-15-9)
Hexylene glycol (CAS 107-41-5)

Directive 94/33/EC on the protection of young people at work

Cumene hydroperoxide (CAS 80-15-9)

Other regulations	The product is classified and labelled in accordance with Regulation (EC) 1272/2008 (CLP Regulation) as amended and respective national laws implementing EC directives. This Safety Data Sheet complies with the requirements of Regulation (EC) No 1907/2006 as amended.
National regulations	Young people under 18 years old are not allowed to work with this product according to EU Directive 94/33/EC on the protection of young people at work. Follow national regulation for work with chemical agents.
15.2. Chemical safety assessment	No Chemical Safety Assessment has been carried out.

SECTION 16: Other information

List of abbreviations	DSD: Directive 67/548/EEC. CLP: Regulation No. 1272/2008. DNEL: Derived No-Effect Level. PNEC: Predicted No-Effect Concentration. PBT: Persistent, bioaccumulative and toxic. vPvB: Very Persistent and very Bioaccumulative.
References	HSDB® - Hazardous Substances Data Bank
Information on evaluation method leading to the classification of mixture	The mixture is classified based on test data for physical hazards. The classification for health and environmental hazards is derived by a combination of calculation methods and test data, if available. For details, refer to Sections 9, 11 and 12.

Full text of any statements or R-phrases and H-statements under Sections 2 to 15	R7 May cause fire. R21/22 Harmful in contact with skin and if swallowed. R23 Toxic by inhalation. R34 Causes burns. R36/37 Irritating to eyes and respiratory system. R36/38 Irritating to eyes and skin. R38 Irritating to skin. R41 Risk of serious damage to eyes. R43 May cause sensitisation by skin contact. R48/20/22 Harmful: danger of serious damage to health by prolonged exposure through inhalation and if swallowed. R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. H242 - Heating may cause a fire. H302 - Harmful if swallowed. H312 - Harmful in contact with skin. H314 - Causes severe skin burns and eye damage. H315 - Causes skin irritation. H317 - May cause an allergic skin reaction. H318 - Causes serious eye damage. H319 - Causes serious eye irritation. H331 - Toxic if inhaled. H373 - May cause damage to organs through prolonged or repeated exposure. H411 - Toxic to aquatic life with long lasting effects.
Training information	Follow training instructions when handling this material.
Disclaimer	The information in the sheet was written based on the best knowledge and experience currently available.