

SAFETY DATA SHEET

Cold Melt® DPM Hardener

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

1.1. Product identifier

Trade name

Cold Melt® DPM Hardener

▼ Product no.

CMDPPR02HV2.0

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

▼ Relevant identified uses of the substance or mixture

Paint

Restricted to professional users.

▼ Use descriptors (UK REACH)

Sectors of use	Description
SU 19	Building and construction work
LCS "IS"	Industrial uses: Uses of substances as such or in preparations at industrial sites
LCS "PW"	Professional uses: Public domain (administration, education, entertainment, services, craftsmen)
Product category	Description
PC 1	Adhesives, Sealants
Process category	Description
PROC 10	Roller application or brushing
Environmental release category	Description
ERC 5	Industrial use resulting in inclusion into or onto a matrix

▼ EuPCS

PC-CON / Construction products

▼ Uses advised against

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

Industrial spraying

Non industrial spraying

1.3. Details of the supplier of the safety data sheet

Company and address

Proteus Waterproofing Ltd

21a Sirdar Road, Brook Road Industrial Estate

SS6 7XF Rayleigh, Essex

England

+44 (0) 1268 777871 Office Mon-Fri 08:30-17:00 outside of these hours call emergency numbers

www.proteuswaterproofing.co.uk

E-mail

enquiries@proteuswaterproofing.co.uk

Revision

08/11/2023

SDS Version

2.0

Date of previous version

14/11/2022 (1.0)

1.4. ▼ Emergency telephone number

In emergency call NCEC +44 (0) 1865 407 333

Contact The National Poisons Information Service (dial 111, 24 h service).

See section 4 "First aid measures".

SECTION 2: Hazards identification

Classified according to Regulation (EC) No. 1272/2008 (CLP) as retained and amended in UK law.

2.1. Classification of the substance or mixture

Acute Tox. 4; H302, Harmful if swallowed.
 Skin Corr. 1B; H314, Causes severe skin burns and eye damage.
 Skin Sens. 1; H317, May cause an allergic skin reaction.
 Acute Tox. 4; H332, Harmful if inhaled.
 Repr. 2; H361f, Suspected of damaging fertility.

2.2. Label elements

Hazard pictogram(s)



Signal word

Danger

Hazard statement(s)

Harmful if swallowed or if inhaled. (H302+H332)
 Causes severe skin burns and eye damage. (H314)
 May cause an allergic skin reaction. (H317)
 Suspected of damaging fertility. (H361f)

Precautionary statement(s)

▼ General

-

▼ Prevention

Obtain special instructions before use. (P201)
 Do not handle until all safety precautions have been read and understood. (P202)
 Do not breathe vapour/mist. (P260)
 Wash hands and exposed skin thoroughly after handling. (P264)
 Do not eat, drink or smoke when using this product. (P270)
 Use only outdoors or in a well-ventilated area. (P271)
 Contaminated work clothing should not be allowed out of the workplace. (P272)
 Wear eye protection/protective gloves/protective clothing. (P280)

▼ Response

Immediately call a POISON CENTER/doctor. (P310)
 Call a POISON CENTER/doctor if you feel unwell. (P312)
 Rinse mouth. (P330)
 Wash contaminated clothing before reuse. (P363)
 IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell. (P301+P312)
 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. (P301+P330+P331)
 IF ON SKIN: Wash with plenty of water and soap. (P302+P352)
 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. (P303+P361+P353)
 IF INHALED: Remove person to fresh air and keep comfortable for breathing. (P304+P340)
 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.
 Continue rinsing. (P305+P351+P338)
 IF exposed or concerned: Get medical advice/attention. (P308+P313)
 If skin irritation or rash occurs: Get medical advice/attention. (P333+P313)
 Take off contaminated clothing and wash it before reuse. (P362+P364)

Storage

Store locked up. (P405)

▼ Disposal

Dispose of contents/container in accordance with local regulation (P501)

▼ Hazardous substances

Benzyl alcohol
 3-aminomethyl-3,5,5-trimethylcyclohexylamine
 N,N-dimethyl-1,3-diaminopropane
 4,4'-Isopropylidenediphenol (Bisphenol A inhalable dust)

▼ Additional labelling

Not applicable.

2.3. Other hazards

▼ Additional warnings

This mixture/product does not contain any substances considered to meet the criteria classifying them as PBT and/or vPvB.

The substance(s) shown below are considered to be endocrine disruptors according to the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605:
4,4'-Isopropylidenediphenol (Bisphenol A inhalable dust)

SECTION 3: Composition/information on ingredients

3.1. ▼ Substances

Not applicable. This product is a mixture.

3.2. ▼ Mixtures

Product/substance	Identifiers	% w/w	Classification	Note
Benzyl alcohol	CAS No.: 100-51-6 EC No.: 202-859-9 UK-REACH: Index No.: 603-057-00-5	40-60%	EUH066 EUH401 Acute Tox. 4, H302 Acute Tox. 4, H332	[9]
3-aminomethyl-3,5,5-trimethylcyclohexylamine	CAS No.: 2855-13-2 EC No.: 220-666-8 UK-REACH: Index No.: 612-067-00-9	5-10%	Acute Tox. 4, H302 Acute Tox. 4, H312 Skin Corr. 1B, H314 Skin Sens. 1A, H317 Eye Dam. 1, H318 Aquatic Chronic 3, H412	
N,N-dimethyl-1,3-diaminopropane	CAS No.: 109-55-7 EC No.: 203-680-9 UK-REACH: Index No.: 612-061-00-6	5-10%	Flam. Liq. 3, H226 Acute Tox. 4, H302 Skin Corr. 1B, H314 Skin Sens. 1, H317	
4,4'-Isopropylidenediphenol (Bisphenol A inhalable dust)	CAS No.: 80-05-7 EC No.: 201-245-8 UK-REACH: Index No.: 604-030-00-0	5-10%	Skin Sens. 1, H317 Eye Dam. 1, H318 STOT SE 3, H335 Repr. 2, H361f	[1], [3], [5]
2,4,6-tris(dimethylaminomethyl)phenol	CAS No.: 90-72-2 EC No.: 202-013-9 UK-REACH: Index No.: 603-069-00-0	5-10%	Acute Tox. 4, H302 Skin Irrit. 2, H315 Eye Irrit. 2, H319	
Benzene-1,3-dimethanamine	CAS No.: 1477-55-0 EC No.: 216-032-5 UK-REACH: Index No.:	5-10%	EUH071 Acute Tox. 4, H302 Skin Corr. 1B, H314 Skin Sens. 1, H317 Acute Tox. 4, H332 Aquatic Chronic 3, H412	
3-aminopropyltriethoxysilane	CAS No.: 919-30-2 EC No.: 213-048-4 UK-REACH: Index No.: 612-108-00-0	5-10%	Acute Tox. 4, H302 Skin Corr. 1B, H314	

See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.

▼ Other information

[1] European occupational exposure limit.

[3] According to UK REACH, Annex XVII, the substance is subject to restrictions.

[5] Substance is included in the Candidate List of substances of very high concern (SVHC).

SECTION 4: First aid measures

4.1. Description of first aid measures

▼ General information

No action shall be taken involving any personal risk or without suitable training, evacuate immediate area of

personnel not dealing with the emergency, keep them upwind and prevent further access, remove ignition sources and if inside building, ventilate area as well as possible.

In the case of accident: Contact a doctor or casualty department – take the label or this safety data sheet. Contact a doctor if in doubt about the injured person's condition or if the symptoms persist. Never give an unconscious person water or other drink.

Inhalation

Upon breathing difficulties or irritation of the respiratory tract: Bring the injured person into fresh air. Make sure the injured person is continuously monitored. Prevent shock by keeping the injured person warm and calm. If breathing ceases, give mouth-to-mouth resuscitation. If unconscious, roll the injured person into recovery position. Call an ambulance.

Skin contact

Flush exposed area with water for a long time - at least 30 minutes. It may be necessary to flush for several hours. Use a comfortable water temperature (20-30 °C). Contact Poison Information/doctor/hospital for further advice on follow-up and treatment.

Remove contaminated clothing and shoes immediately. Ensure to wash exposed skin thoroughly with water and soap. Skin cleanser can be used. DO NOT use solvents or thinners.

If skin irritation occurs: Get medical advice/attention.

▼ Eye contact

If in eyes: Flush eyes with plenty of water or salt water (20-30 °C) for at least 30 minutes and continue until irritation stops. Remove contact lenses. Make sure you flush under the upper and lower eyelids. Seek medical assistance immediately and continue flushing during transport.

▼ Ingestion

In the case of ingestion, contact a doctor immediately. If the person is conscious, give them water. DO NOT try to induce vomiting unless this is recommended by a doctor. Hold head facing down to prevent vomit from returning to the mouth and throat. Prevent shock by keeping the injured person warm and calm. Initiate immediate resuscitation if breathing stops. If unconscious, roll the injured person into recovery position. Call an ambulance.

Burns

Not applicable.

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

Sensitisation: This product contains substances, which may trigger allergic reaction upon dermal contact.

Manifestation of allergic reactions typically takes place within 12-72 hours after exposure.

Tissue-damaging effects: This product contains substances with skin corrosive properties. Inhaled vapour or aerosols may produce adverse effects to lungs, irritations and burns in the respiratory organs as well as coughing. Dermal contact and contact with the eye cause irreversible effects.

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

IF exposed or concerned:

Get immediate medical advice/attention.

If skin irritation or rash occurs: Get medical advice/attention.

Information to medics

Bring this safety data sheet or the label from this product.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media: Alcohol-resistant foam, carbon dioxide, powder, water mist.

Unsuitable extinguishing media: Waterjets should not be used, since they can spread the fire.

5.2. Special hazards arising from the substance or mixture

Fire will result in dense smoke. Exposure to combustion products may harm your health. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fire-extinguishing water to enter the sewage system and nearby surface waters.

If the product is exposed to high temperatures, e.g. in the event of fire, dangerous decomposition compounds are produced. These are:

Nitrogen oxides (NO_x)

Carbon oxides (CO / CO₂)

5.3. Advice for firefighters

Wear self-contained breathing apparatus and protective clothing to prevent contact. Upon direct exposure contact The National Poisons Information Service (dial 111, 24 h service) in order to obtain further advice.

Hazchem Code: 2X

SECTION 6: Accidental release measures

6.1. ▼ Personal precautions, protective equipment and emergency procedures

No action shall be taken involving any personal risk or without suitable training, evacuate immediate area of

personnel not dealing with the emergency, keep them upwind and prevent further access, remove ignition sources and if inside building, ventilate area as well as possible.
 Avoid direct contact with spilled substances.
 Ensure adequate ventilation, especially in confined areas.
 Avoid inhalation of vapours from spilled material.
 Contaminated areas may be slippery.

6.2. Environmental precautions

Avoid discharge to lakes, streams, sewers, etc. In the event of leakage to the surroundings, contact local environmental authorities.

6.3. ▼ Methods and material for containment and cleaning up

Limit spillage and collect using granular absorbent or similar materials, and dispose of it in accordance with the regulations on dangerous waste.
 Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations.
 Wherever possible cleaning should be performed with normal cleaning agents. Avoid use of solvents.

6.4. Reference to other sections

See section 13 "Disposal considerations" on handling of waste.
 See section 8 "Exposure controls/personal protection" for protective measures.

SECTION 7: Handling and storage

7.1. ▼ Precautions for safe handling

The product should be tested for peroxides before distillation or evaporation and tested for peroxide formation or discarded after 1 year.

Avoid direct contact with the product.

Peroxide formation may be present anywhere in the container, including the sides, bottom, exterior and threaded cap. Peroxide formation in ppm concentrations may not be visually observable and must be identified through the use of appropriate testing procedures. If any of the following conditions exist, the material may be explosively unstable and will require stabilization prior to use:

1. Material appears to be degraded and or contaminated.
2. Material appears to be discolored.
3. Deterioration or distortion of storage container.
4. Thermal shock (sunlight).
5. Age of material exceeds recommended storage time.

Avoid contact during pregnancy and while nursing.

Smoking, drinking and consumption of food is not allowed in the work area.

See section 8 "Exposure controls/personal protection" for information on personal protection.

7.2. ▼ Conditions for safe storage, including any incompatibilities

Store in tightly closed containers and store protected from moisture and light. Containers should be dated when opened and tested periodically for the presence of peroxides. Do not exceed storage time limits. Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

▼ Recommended storage material

Always store in containers of the same material as the original container.

▼ Storage temperature

For optimum performance, store at temperature between 10°C and 35°C.

▼ Incompatible materials

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

7.3. ▼ Specific end use(s)

This product should only be used for applications quoted in section 1.2.

SECTION 8: Exposure controls/personal protection

8.1. ▼ Control parameters

4,4'-Isopropylidenediphenol (Bisphenol A inhalable dust)
 Long term exposure limit (8 hours) (mg/m³): 2 (inhalable fraction)

The Control of Substances Hazardous to Health Regulations 2002. SI 2002/2677 The Stationery Office 2002.
 EH40/2005 Workplace exposure limits (Fourth Edition 2020).

▼ DNEL

2,4,6-tris(dimethylaminomethyl)phenol

Duration:	Route of exposure:	DNEL:
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According to REACH Regulation (EC) No 1907/2006, as retained and amended SI 2019/758 and SI 2020/1577

Long term – Systemic effects - Workers	Dermal	150 µg/kgbw/day
Short term – Systemic effects - Workers	Dermal	600 µg/kgbw/day
Long term – Systemic effects - Workers	Inhalation	530 µg/m ³
Short term – Systemic effects - Workers	Inhalation	2.1 mg/m ³
3-aminomethyl-3,5,5-trimethylcyclohexylamine		
Duration:	Route of exposure:	DNEL:
Long term – Local effects - Workers	Inhalation	73 µg/m ³
Short term – Local effects - Workers	Inhalation	73 µg/m ³
3-aminopropyltriethoxysilane		
Duration:	Route of exposure:	DNEL:
Long term – Systemic effects - Workers	Dermal	2 mg/kg bw/day
Long term – Systemic effects - Workers	Inhalation	14 mg/m ³
4,4'-Isopropylidenediphenol (Bisphenol A inhalable dust)		
Duration:	Route of exposure:	DNEL:
Long term – Systemic effects - Workers	Dermal	66 µg/kgbw/day
Short term – Systemic effects - Workers	Dermal	66 µg/kgbw/day
Long term – Local effects - Workers	Inhalation	2 mg/m ³
Long term – Systemic effects - Workers	Inhalation	2 mg/m ³
Short term – Local effects - Workers	Inhalation	2 mg/m ³
Short term – Systemic effects - Workers	Inhalation	2 mg/m ³
Benzene-1,3-dimethanamine		
Duration:	Route of exposure:	DNEL:
Long term – Systemic effects - Workers	Dermal	330 µg/kgbw/day
Long term – Local effects - Workers	Inhalation	200 µg/m ³
Long term – Systemic effects - Workers	Inhalation	1.2 mg/m ³
Benzyl alcohol		
Duration:	Route of exposure:	DNEL:
Long term – Systemic effects - Workers	Dermal	8 mg/kg bw/day
Short term – Systemic effects - Workers	Dermal	40 mg/kg bw/day
Long term – Systemic effects - Workers	Inhalation	22 mg/m ³
Short term – Systemic effects - Workers	Inhalation	110 mg/m ³
N,N-dimethyl-1,3-diaminopropane		
Duration:	Route of exposure:	DNEL:
Long term – Systemic effects - Workers	Inhalation	1.2 mg/m ³
▼ PNEC		
2,4,6-tris(dimethylaminomethyl)phenol		
Route of exposure:	Duration of Exposure:	PNEC:
Freshwater		46 µg/L
Freshwater sediment		262.1 µg/kg
Intermittent release (freshwater)		460 µg/L
Intermittent release (marine water)		46 µg/L
Marine water		4.6 µg/L
Marine water sediment		26.211 µg/kg
Sewage treatment plant		200 µg/L
Soil		25.4 µg/kg

According to REACH Regulation (EC) No 1907/2006, as retained and amended SI 2019/758 and SI 2020/1577

3-aminomethyl-3,5,5-trimethylcyclohexylamine

Route of exposure:	Duration of Exposure:	PNEC:
Freshwater		60 µg/L
Freshwater sediment		5.784 mg/kg
Intermittent release (freshwater)		230 µg/L
Marine water		6 µg/L
Marine water sediment		578 µg/kg
Sewage treatment plant		3.18 mg/L
Soil		1.121 mg/kg

3-aminopropyltriethoxysilane

Route of exposure:	Duration of Exposure:	PNEC:
Freshwater		500 µg/L
Freshwater sediment		1.8 mg/kg
Intermittent release (freshwater)		2.05 mg/L
Marine water		50 µg/L
Marine water sediment		180 µg/kg
Sewage treatment plant		810-1300 µg/L
Soil		69 µg/kg

4,4'-Isopropylidenediphenol (Bisphenol A inhalable dust)

Route of exposure:	Duration of Exposure:	PNEC:
Freshwater		22.6 µg/L
Freshwater sediment		1.2 mg/kg
Intermittent release (freshwater)		11 µg/L
Marine water		19.3 µg/L
Marine water sediment		240 µg/kg
Sewage treatment plant		320 mg/L
Soil		3.7 mg/kg

Benzene-1,3-dimethanamine

Route of exposure:	Duration of Exposure:	PNEC:
Freshwater		94 µg/L
Freshwater sediment		12.4 mg/kg
Intermittent release (freshwater)		152 µg/L
Marine water		9.4 µg/L
Marine water sediment		1.24 mg/kg
Sewage treatment plant		10 mg/L
Soil		2.44 mg/kg

Benzyl alcohol

Route of exposure:	Duration of Exposure:	PNEC:
Freshwater		1-1.02 mg/L
Freshwater sediment		5.27 mg/kg
Intermittent release (freshwater)		2.3 mg/L
Marine water		100-102 µg/L
Marine water sediment		527 µg/kg
Sewage treatment plant		39 mg/L
Soil		456 µg/kg

N,N-dimethyl-1,3-diaminopropane

According to REACH Regulation (EC) No 1907/2006, as retained and amended SI 2019/758 and SI 2020/1577

Route of exposure:	Duration of Exposure:	PNEC:
Freshwater		72.8 µg/L
Freshwater sediment		735 µg/kg
Intermittent release (freshwater)		340 µg/L
Marine water		7.28 µg/L
Marine water sediment		73.5 µg/kg
Sewage treatment plant		10 mg/L
Soil		104 µg/kg

8.2. ▼ Exposure controls

Compliance with the given occupational exposure limits values should be controlled on a regular basis.

General recommendations

Smoking, drinking and consumption of food is not allowed in the work area.

Exposure scenarios

There are no exposure scenarios implemented for this product.

Exposure limits

Professional users are subjected to the legally set maximum concentrations for occupational exposure. See occupational hygiene limit values above.

▼ Appropriate technical measures

Do not recirculate outlet air that contain the substances.

The formation of vapours must be kept at a minimum and below current limit values (see above). Installation of a local exhaust system if normal air flow in the work room is not sufficient is recommended. Ensure eyewash and emergency showers are clearly marked.

Ensure that eyewash stations and safety showers are located within easy reach.

Apply standard precautions during use of the product. Avoid inhalation of vapours.

Hygiene measures

In between use of the product and at the end of the working day all exposed areas of the body must be washed thoroughly. Always wash hands, forearms and face.

Measures to avoid environmental exposure

Keep damming materials near the workplace. If possible, collect spillage during work.

Individual protection measures, such as personal protective equipment

Generally

Use only UKCA marked protective equipment.

▼ Respiratory Equipment

Work situation	Type	Class	Colour	Standards
Ensure adequate ventilation, use suitable respiratory protection in enclosed or poorly ventilated areas.	Suitable respiratory protection advice for the correct personal selection can be obtained from EN529:2005			



Cartridge respirators should never be used for emergency ingress or in areas of unknown vapour concentrations or oxygen content. Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use. Cartridge performance is affected by humidity. Cartridges should be changed after 2 hr of continuous use unless it is determined that the humidity is less than 75%, in which case, cartridges can be used for 4 hr. Used cartridges should be discarded daily, regardless of the length of time used.

▼ Skin protection



Work situation	Recommended	Type/Category	Standards
Remove contaminated clothing and protective equipment before entering eating areas.	Contaminated garments should be removed promptly and should not be reused until they have been decontaminated, DO NOT allow garments to be decontaminated/cleaned in household laundry		



Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

▼ Hand protection

According to REACH Regulation (EC) No 1907/2006, as retained and amended SI 2019/758 and SI 2020/1577

Work situation	Material	Glove thickness (mm)	Breakthrough time (min.)	Standards	
Consider the following when selecting work gloves, material, compatibility, degradation, failure time, permeability. The gloves resistance to chemicals should be checked prior to use, wear time depends on duration and type of use.	Nitrile	0,5	> 480	EN374-2, EN374-3, EN388	
<p>Protection of hands: There is no one glove material or combination of materials that will give unlimited resistance to any individual or combination of chemicals. The breakthrough time must be greater than the end use time of the product. The instructions and information provided by the glove manufacturer on use, storage, maintenance and replacement must be followed. Gloves should be replaced regularly and if there is any sign of damage to the glove material. Always ensure that gloves are free from defects and that they are stored and used correctly. The performance or effectiveness of the glove may be reduced by physical/chemical damage and poor maintenance.</p>					
<p>▼ Eye protection</p>					
Work situation	Type	Standards			
In windy conditions consider wearing sealed goggles or face shield.	Safety glasses with side shields.	EN166			

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state

Liquid

Colour

Yellowish

▼ Odour / Odour threshold

Amine

pH

No data available

Density (g/cm³)

No data available

Relative density

No data available

Kinematic viscosity

No data available

Particle characteristics

No data available

Phase changes

Melting point/Freezing point (°C)

No data available

Softening point/range (waxes and pastes) (°C)

Does not apply to liquids.

Boiling point (°C)

No data available

Vapour pressure

No data available

Relative vapour density

No data available

Decomposition temperature (°C)

No data available

Data on fire and explosion hazards

Flash point (°C)

No data available

Flammability (°C)

No data available

Auto-ignition temperature (°C)

No data available

Lower and upper explosion limit (% v/v)

No data available

Solubility**Solubility in water**

No data available

n-octanol/water coefficient

No data available

Solubility in fat (g/L)

No data available

9.2. Other information**▼ Sensitivity to shock**

No

Evaporation rate (n-butylacetate = 100)

No data available

▼ Oxidizing properties

No data available

Other physical and chemical parameters

No data available.

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

No data available.

10.2. Chemical stability

The product is stable under the conditions, noted in section 7 "Handling and storage".

10.3. Possibility of hazardous reactions

None known.

10.4. Conditions to avoid

None known.

10.5. ▼ Incompatible materials

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

10.6. ▼ Hazardous decomposition products

Thermal decomposition may produce corrosive vapours.

SECTION 11: Toxicological information**11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008 as retained and amended in UK law****Acute toxicity**

Harmful if swallowed.

Harmful if inhaled.

Skin corrosion/irritation

Causes severe skin burns and eye damage.

▼ Serious eye damage/irritation

Causes serious eye damage.

The liquid produces a high level of eye discomfort and is capable of causing pain and severe conjunctivitis. Corneal injury may develop, with possible permanent impairment of vision, if not promptly and adequately treated. This condition can reduce the efficiency of undertaking skilled tasks, such as driving a vehicle.

Respiratory sensitisation

Based on available data, the classification criteria are not met.

Skin sensitisation

May cause an allergic skin reaction.

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

Suspected of damaging fertility.

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.

11.2. Information on other hazards

▼ Long term effects

Reproductive toxicity: This product contains reprotoxic substances, which may harm the reproductive capacity.

Adverse effects include: sterility, effects on the sexual function, lowered effective fertility and dysfunctional menstrual cycle.

Tissue-damaging effects: This product contains substances with skin corrosive properties. Inhaled vapour or aerosols may produce adverse effects to lungs, irritations and burns in the respiratory organs as well as coughing. Dermal contact and contact with the eye cause irreversible effects.

▼ Endocrine disrupting properties

4,4'-Isopropylidenediphenol (Bisphenol A inhalable dust) is identified as endocrine disruptor by EU (List I)

▼ Other information

Amine epoxy-curing agents (hardeners) may produce primary skin irritation and sensitisation dermatitis in predisposed individuals. Cutaneous reactions include erythema, intolerable itching and severe facial swelling. Sensitisation may give severe responses to very low levels of exposure, i.e. hypersensitivity.

SECTION 12: Ecological information

12.1. Toxicity

No data available.

12.2. Persistence and degradability

No data available.

12.3. Bioaccumulative potential

No data available.

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

This mixture/product does not contain any substances considered to meet the criteria classifying them as PBT and/or vPvB.

12.6. ▼ Endocrine disrupting properties

4,4'-Isopropylidenediphenol (Bisphenol A inhalable dust) is identified as endocrine disruptor by EU (List I)

12.7. Other adverse effects

None known.

SECTION 13: Disposal considerations

▼ Waste treatment methods

Product is covered by the regulations on hazardous waste. (*)

To the extent the material has not been subject to regular tests of peroxide formation the waste shall be treated as explosive waste.

HP 6 - Acute toxicity

HP 8 - Corrosive

HP 10 - Toxic for reproduction

Dispose of contents/container to an approved waste disposal plant.

Regulation (EU) No 1357/2014 of 18 December 2014 on waste as retained and amended in UK law.

A hierarchy of control may exist, users should investigate disposal options, containers that have been sufficiently cleaned of product should be recycled where possible.

EWC code

08 04 09* Waste adhesives and sealants containing organic solvents or other dangerous substances

▼ Specific labelling




▼ Contaminated packing

▼ EWC code

08 04 09* Waste adhesives and sealants containing organic solvents or other dangerous substances

SECTION 14: Transport information

According to REACH Regulation (EC) No 1907/2006, as retained and amended SI 2019/758 and SI 2020/1577

	14.1 UN / ID	14.2 UN proper shipping name	14.3 Hazard class(es)	14.4 PG*	14.5 Env**	Other information:
ADR	UN2735	AMINES, LIQUID, CORROSIVE, N.O.S.	Transport hazard class: 8 Label: 8 Classification code: C7 	II	No	Limited quantities: 1 L Tunnel restriction code: (E) See below for additional information.
IMDG	UN2735	AMINES, LIQUID, CORROSIVE, N.O.S.	Transport hazard class: 8 Label: 8 Classification code: C7 	II	No	Limited quantities: 1 L EmS: F-A S-B See below for additional information.
IATA	UN2735	AMINES, LIQUID, CORROSIVE, N.O.S.	Transport hazard class: 8 Label: 8 Classification code: C7 	II	No	See below for additional information.

* Packing group

** Environmental hazards

Additional information

ADR / See Table A, section 3.2.1 for any information on special provisions, requirements, or warnings in connection with transport. See section 5.4.3, for instructions in writing regarding mitigation of damages in relation to incidents or accidents during transport.

IMDG / See section 3.2.1, for any information on special provisions, requirements, or warnings in connection with transport.

IATA / See Table 4.2 for any information on special provisions, requirements, or warnings in connection with transport.

This product is within scope of the regulations of transport of dangerous goods.

Hazchem Code: 2X

14.6. Special precautions for user

Not applicable.

14.7. Maritime transport in bulk according to IMO instruments

No data available.

SECTION 15: Regulatory information

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

Restrictions for application

Restricted to professional users.

People under the age of 18 shall not be exposed to this product.

Pregnant women and women breastfeeding must not be exposed to this product. The risk, and possible technical precautions or design of the workplace needed to eliminate exposure, must be considered.

Demands for specific education

No specific requirements.

SEVESO - Categories / dangerous substances

Not applicable.

▼ UK-REACH, Annex XVII

4,4'-Isopropylidenediphenol (Bisphenol A inhalable dust) is subject to restrictions, UK-REACH annex XVII (entry 66).

Additional information

Not applicable.

Sources

The Management of Health and Safety at Work Regulations 1999.

The Health and Safety at Work etc. Act 1974 Regulations 2013.

Regulation (EU) No 1357/2014 of 18 December 2014 on waste as retained and amended in UK law.

Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures (CLP) as

retained and amended in UK law.

Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) as retained and amended in UK law.

15.2. Chemical safety assessment

No

SECTION 16: Other information

Full text of H-phrases as mentioned in section 3

EUH066, Repeated exposure may cause skin dryness or cracking.

EUH071, Corrosive to the respiratory tract.

EUH401, To avoid risks to human health and the environment, comply with the instructions for use.

H226, Flammable liquid and vapour.

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.

H332, Harmful if inhaled.

H335, May cause respiratory irritation.

H361f, Suspected of damaging fertility.

H412, Harmful to aquatic life with long lasting effects.

▼ The full text of identified uses as mentioned in section 1

SU 19 = Building and construction work

LCS "IS" = Industrial uses: Uses of substances as such or in preparations at industrial sites

LCS "PW" = Professional uses: Public domain (administration, education, entertainment, services, craftsmen)

PROC 10 = Roller application or brushing

PC 1 = Adhesives, Sealants

ERC 5 = Industrial use resulting in inclusion into or onto a matrix

Abbreviations and acronyms

ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway

ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road

ATE = Acute Toxicity Estimate

BCF = Bioconcentration Factor

CAS = Chemical Abstracts Service

CE = Conformité Européenne (European conformity)

CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]

CSA = Chemical Safety Assessment

CSR = Chemical Safety Report

DMEL = Derived Minimal Effect Level

DNEL = Derived No Effect Level

EINECS = European Inventory of Existing Commercial chemical Substances

ES = Exposure Scenario

EUH statement = CLP-specific Hazard statement

EuPCS = European Product Categorisation System

EWC = European Waste Catalogue

GHS = Globally Harmonized System of Classification and Labelling of Chemicals

IARC = International Agency for Research on Cancer (IARC)

IATA = International Air Transport Association

IBC = Intermediate Bulk Container

IMDG = International Maritime Dangerous Goods

LogPow = logarithm of the octanol/water partition coefficient

MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)

OECD = Organisation for Economic Co-operation and Development

PBT = Persistent, Bioaccumulative and Toxic

PNEC = Predicted No Effect Concentration

RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail

RRN = REACH Registration Number

SCL = A specific concentration limit

SVHC = Substances of Very High Concern

STOT-RE = Specific Target Organ Toxicity - Repeated Exposure

STOT-SE = Specific Target Organ Toxicity - Single Exposure

TWA = Time weighted average

UN = United Nations

UVBC = Unknown or variable composition, complex reaction products or of biological materials

VOC = Volatile Organic Compound

vPvB = Very Persistent and Very Bioaccumulative

Additional information

The classification of the substance/mixture in regard of health hazards are in accordance with the calculation methods given by Regulation (EC) No. 1272/2008 (CLP) as retained and amended in UK law.

▼ The safety data sheet is validated by

Steven D'Silva Quality Manager

Other

A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a blue triangle.

The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.

It is recommended to hand over this safety data sheet to the actual user of the product. Information in this safety data sheet cannot be used as a product specification.

Country-language: GB-en