

Safety data sheet

acc. (EC) 1907/2006, as amended by UK SI 2019/758

Printing date 04.06.2025

Version number 13 (replaces version 12)

Revision: 04.06.2025

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

1.1 Product identifier

Trade name: **TREMCO ES100 B**

MSDS code: W-T-ES100B

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

Only for trade users / technical specialists

Application of the substance / the mixture Epoxy curing agent

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier:

Tremco CPG UK Ltd

Coupland Road, Hindley Green, Wigan, WN2 4HT

Tel: +44 (0) 1942251400, Fax: +44 (0) 1942251410

msds@tremcocpg.com

Further information obtainable from:

Tremco CPG UK Ltd

Coupland Road, Hindley Green, Wigan, WN2 4HT

T: +44 (0) 1942251400, F: +44 (0) 1942251410

www.tremcocpg.eu, info.uk@tremcocpg.com

1.4 Emergency telephone number:

During office hours (Mon-Fri 08:30-17:00 GMT) Tel.: +44 (0) 1942251400. At all other times it is recommended to call NHS 111 (England/Wales/Scotland), your local GP/pharmacist (NI), 01 809 2166 (ROI), or otherwise to contact a doctor.

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Acute Tox. 4 H302 Harmful if swallowed.

Skin Corr. 1B H314 Causes severe skin burns and eye damage.

Eye Dam. 1 H318 Causes serious eye damage.

Skin Sens. 1 H317 May cause an allergic skin reaction.

Repr. 1B H360F May damage fertility.

Aquatic Acute 1 H400 Very toxic to aquatic life.

Aquatic Chronic 1 H410 Very toxic to aquatic life with long lasting effects.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008

The product is classified and labelled according to the GB CLP regulation.

(Contd. on page 2)

Safety data sheet

acc. (EC) 1907/2006, as amended by UK SI 2019/758

Printing date 04.06.2025

Version number 13 (replaces version 12)

Revision: 04.06.2025

Trade name: TREMCO ES100 B

(Contd. of page 1)

· Hazard pictograms

GHS05 GHS07 GHS08 GHS09

· Signal word Danger**· Contains:**

Fatty acids, tall-oil, reaction products with bisphenol A, epichlorohydrin, glycidyl tolyl ether and triethylenetetramine
 m-phenylenebis(methylamine)
 4,4'-isopropylidenediphenol
 3-aminomethyl-3,5,5-trimethylcyclohexylamine
 Benzyl alcohol
 3-aminopropyltrimethylamine
 3-aminopropyltriethoxysilane

· Hazard statements

H302 Harmful if swallowed.
 H314 Causes severe skin burns and eye damage.
 H317 May cause an allergic skin reaction.
 H360F May damage fertility.
 H410 Very toxic to aquatic life with long lasting effects.

· Precautionary statements

P201 Obtain special instructions before use.
 P202 Do not handle until all safety precautions have been read and understood.
 P273 Avoid release to the environment.
 P280 Wear protective gloves/protective clothing/eye protection/face protection.
 P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
 P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P308+P313 IF exposed or concerned: Get medical advice/attention.

· Supplemental information:

EUH071 Corrosive to the respiratory tract.
 Restricted to professional users.

· 2.3 Other hazards**· Results of PBT and vPvB assessment****· PBT:** Not applicable.**· vPvB:** Not applicable.**· Determination of endocrine-disrupting properties**

CAS: 80-05-7	4,4'-isopropylidenediphenol	List I
CAS: 109-55-7	3-aminopropyltrimethylamine	List II

(Contd. on page 3)

Safety data sheet

acc. (EC) 1907/2006, as amended by UK SI 2019/758

Printing date 04.06.2025

Version number 13 (replaces version 12)

Revision: 04.06.2025

Trade name: TREMCO ES100 B

(Contd. of page 2)

CAS: 69-72-7 salicylic acid

List II; III

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Description: Mixture of substances listed below with non-hazardous additions.

Dangerous components:

CAS: 186321-96-0 EC number: 606-078-8 Reg.nr.: 01-2119983521-35-xxxx	Fatty acids, tall-oil, reaction products with bisphenol A, epichlorohydrin, glycidyl tolyl ether and triethylenetetramine Eye Dam. 1, H318; Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Skin Irrit. 2, H315; Skin Sens. 1, H317	50-<75%
CAS: 100-51-6 EINECS: 202-859-9 Reg.nr.: 01-2119492630-38-xxxx	Benzyl alcohol Acute Tox. 4, H302; Acute Tox. 4, H332; Eye Irrit. 2, H319; Skin Sens. 1B, H317 ATE: ATE oral: 1,200 mg/kg	20-<30%
CAS: 1477-55-0 EINECS: 216-032-5 Reg.nr.: 01-2119480150-50-xxxx	m-phenylenebis(methylamine) Skin Corr. 1B, H314; Eye Dam. 1, H318; Acute Tox. 4, H302; Acute Tox. 4, H332; Skin Sens. 1B, H317; Aquatic Chronic 3, H412, EUH071	3-<10%
CAS: 2855-13-2 EINECS: 220-666-8 Reg.nr.: 01-2119514687-32-xxxx	3-aminomethyl-3,5,5-trimethylcyclohexylamine Skin Corr. 1B, H314; Eye Dam. 1, H318; Acute Tox. 4, H302; Skin Sens. 1A, H317 ATE: LD50 oral: 1,030 mg/kg Specific concentration limit: Skin Sens. 1A; H317: C ≥ 0.001 %	3-<10%
CAS: 80-05-7 EINECS: 201-245-8 Reg.nr.: 01-2119457856-23-xxxx	4,4'-isopropylidenediphenol Repr. 1B, H360F; Eye Dam. 1, H318; Aquatic Acute 1, H400 (M=1); Aquatic Chronic 1, H410 (M=10); Skin Sens. 1, H317; STOT SE 3, H335	3-<10%
CAS: 109-55-7 EINECS: 203-680-9 Reg.nr.: 01-2219486842-27-xxxx	3-aminopropyl dimethylamine Flam. Liq. 3, H226; Skin Corr. 1B, H314; Eye Dam. 1, H318; Acute Tox. 4, H302; Acute Tox. 4, H312; Skin Sens. 1B, H317; STOT SE 3, H335	3-<10%
CAS: 90-72-2 EINECS: 202-013-9 Reg.nr.: 01-2119560597-27-xxxx	2,4,6-tris(dimethylaminomethyl)phenol Skin Corr. 1C, H314; Eye Dam. 1, H318; Acute Tox. 4, H302	1-<3%
CAS: 69-72-7 EINECS: 200-712-3 Reg.nr.: 01-2119486984-17-xxxx	salicylic acid Repr. 2, H361d; Eye Dam. 1, H318; Acute Tox. 4, H302	0.1-<1%
CAS: 919-30-2 EINECS: 213-048-4	3-aminopropyltriethoxysilane Skin Corr. 1B, H314; Eye Dam. 1, H318; Acute Tox. 4, H302; Skin Sens. 1B, H317	0.1-<1%

EU SVHC see Section 15

(Contd. on page 4)

Safety data sheet

acc. (EC) 1907/2006, as amended by UK SI 2019/758

Printing date 04.06.2025

Version number 13 (replaces version 12)

Revision: 04.06.2025

Trade name: TREMCO ES100 B

(Contd. of page 3)

· **GB SVHC**

CAS: 80-05-7 | 4,4'-isopropylidenediphenol

· **Additional information:** For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

· 4.1 Description of first aid measures

· **General information:**

Immediately remove any clothing soiled by the product.

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

Take affected persons out of danger area and lay down.

· **After inhalation:**

Supply fresh air and to be sure call for a doctor.

In case of unconsciousness place patient stably in side position for transportation.

· **After skin contact:**

Immediately wash with water and soap and rinse thoroughly.

If skin irritation continues, consult a doctor.

· **After eye contact:**

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Seek immediate medical advice.

· **After swallowing:**

Rinse out mouth and then drink plenty of water.

Do not induce vomiting; call for medical help immediately.

· **Information for doctor:** No further relevant information available.

· **4.2 Most important symptoms and effects, both acute and delayed**

Harmful if swallowed.

Corrosive to the respiratory tract.

Causes severe skin burns and eye damage.

Breathing difficulty

Allergic reactions

May damage fertility.

· **Hazards** No further relevant information available.

· **4.3 Indication of any immediate medical attention and special treatment needed**

Treat symptomatically.

SECTION 5: Firefighting measures

· **5.1 Extinguishing media**

· **Suitable extinguishing agents:**

CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

Use fire extinguishing methods suitable to surrounding conditions.

· **For safety reasons unsuitable extinguishing agents:** Water with full jet

(Contd. on page 5)

Safety data sheet

acc. (EC) 1907/2006, as amended by UK SI 2019/758

Printing date 04.06.2025

Version number 13 (replaces version 12)

Revision: 04.06.2025

Trade name: TREMCO ES100 B

(Contd. of page 4)

- **5.2 Special hazards arising from the substance or mixture**

Formation of toxic gases is possible during heating or in case of fire.

Carbon monoxide (CO)

Carbon dioxide (CO₂)

Nitrogen oxides (NO_x)

- **5.3 Advice for firefighters**

- **Protective equipment:**

Wear self-contained respiratory protective device.

Wear fully protective suit.

- **Additional information**

Cool endangered receptacles with water spray.

Collect contaminated fire fighting water separately. It must not enter the sewage system.

SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**

Wear protective equipment. Keep unprotected persons away.

Ensure adequate ventilation.

- **For non-emergency personnel** No further relevant information available.

- **For emergency responders** No further relevant information available.

- **6.2 Environmental precautions:**

Do not allow to enter sewers/ surface or ground water.

Inform respective authorities in case of seepage into water course or sewage system.

- **6.3 Methods and material for containment and cleaning up:**

Ensure adequate ventilation.

Use neutralising agent.

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Dispose of contaminated material as waste according to Section 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**

Pregnant women should strictly avoid inhalation or skin contact.

Ensure good ventilation/exhaustion at the workplace.

Avoid contact with the eyes and skin.

Persons suffering from asthma, eczema or skin problems should avoid contact, including dermal contact.

The usual precautionary measures are to be adhered to when handling chemicals.

Ensure that washing facilities are available at the work place.

When the product is mixed, it is recommended to be used within 20 - 30 minutes.

Do not eat, drink, smoke or sniff while working.

- **Information about fire - and explosion protection:** Keep ignition sources away - Do not smoke.

(Contd. on page 6)

Safety data sheet

acc. (EC) 1907/2006, as amended by UK SI 2019/758

Printing date 04.06.2025

Version number 13 (replaces version 12)

Revision: 04.06.2025

Trade name: TREMCO ES100 B

(Contd. of page 5)

- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** Store only in unopened original receptacles.
- **Information about storage in one common storage facility:**
Do not store together with oxidising and acidic materials.
Protect from heat and direct sunlight.
- **Further information about storage conditions:**
Keep container tightly sealed.
Store in cool, dry conditions in well sealed receptacles.
Protect from humidity and water.
Store receptacle in a well ventilated area.
- **7.3 Specific end use(s)** No further relevant information available.

SECTION 8: Exposure controls/personal protection

- **8.1 Control parameters**
- **Ingredients with limit values that require monitoring at the workplace:**
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- **Additional information:** The lists valid during the making were used as basis.
- **8.2 Exposure controls**
- **Individual protection measures, such as personal protective equipment**
- **General protective and hygienic measures:**
Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing
Wash hands before breaks and at the end of work.
Avoid contact with the eyes and skin.
Do not eat, drink, smoke or sniff while working.
Ensure that washing facilities are available at the work place.
- **Respiratory protection:**
In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.
Filter ABEK-P
For further guidance,
please refer to HSE HSG53 "Respiratory Protective Equipment at work - A Practical Guide".
- **Hand protection**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

- **Material of gloves**
Neoprene gloves
PVA gloves
Impervious gloves

(Contd. on page 7)

Safety data sheet

acc. (EC) 1907/2006, as amended by UK SI 2019/758

Printing date 04.06.2025

Version number 13 (replaces version 12)

Revision: 04.06.2025

Trade name: TREMCO ES100 B

(Contd. of page 6)

PVC gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

- **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

- **Eye/face protection**



Tightly sealed goggles

- **Body protection:**



Protective work clothing

SECTION 9: Physical and chemical properties

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

- **General Information**

· Colour:	Amber coloured
· Odour:	Fish-like
· Odour threshold:	Not determined.
· Melting point/freezing point:	Undetermined.
· Boiling point or initial boiling point and boiling range	Undetermined.
· Flash point:	76 °C
· pH	11
· Viscosity:	
· Kinematic viscosity	Not determined.
· Dynamic at 23 °C:	835 - 1100 mPas
· Solubility	
· water:	Partly soluble.
· Vapour pressure:	Not determined.
· Density and/or relative density	
· Density at 20 °C:	1.02 g/cm ³

- **9.2 Other information**

- **Appearance:**

- **Form:** Liquid

(Contd. on page 8)

GB

Safety data sheet

acc. (EC) 1907/2006, as amended by UK SI 2019/758

Printing date 04.06.2025

Version number 13 (replaces version 12)

Revision: 04.06.2025

Trade name: TREMCO ES100 B

(Contd. of page 7)

- **Important information on protection of health and environment, and on safety.**

- **Explosive properties:** Product does not present an explosion hazard.

- **Information with regard to physical hazard classes**

· Explosives	Void
· Flammable gases	Void
· Aerosols	Void
· Oxidising gases	Void
· Gases under pressure	Void
· Flammable liquids	Void
· Flammable solids	Void
· Self-reactive substances and mixtures	Void
· Pyrophoric liquids	Void
· Pyrophoric solids	Void
· Self-heating substances and mixtures	Void
· Substances and mixtures, which emit flammable gases in contact with water	Void
· Oxidising liquids	Void
· Oxidising solids	Void
· Organic peroxides	Void
· Corrosive to metals	Void
· Desensitised explosives	Void

SECTION 10: Stability and reactivity

- **10.1 Reactivity** Stable
- **10.2 Chemical stability** Stable
- **Thermal decomposition / conditions to be avoided:**
No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions**
Forms heat.
Exothermic reaction.
Reacts with strong acids.
Explosive reaction with oxidising agents such as calcium chlorate and or peroxides.
- **10.4 Conditions to avoid**
Water / moisture.
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- **10.5 Incompatible materials:**
Sodium nitrate / nitrates
May be corrosive to metals.
- **10.6 Hazardous decomposition products:**
Carbon monoxide and carbon dioxide

(Contd. on page 9)

GB

Safety data sheet

acc. (EC) 1907/2006, as amended by UK SI 2019/758

Printing date 04.06.2025

Version number 13 (replaces version 12)

Revision: 04.06.2025

Trade name: TREMCO ES100 B

Nitrogen oxides

(Contd. of page 8)

SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity

Harmful if swallowed.

LD/LC50 values relevant for classification:

CAS: 186321-96-0 Fatty acids, tall-oil, reaction products with bisphenol A, epichlorohydrin, glycidyl tolyl ether and triethylenetetramine

Oral	LD50	>2,000 mg/kg (rat)
------	------	--------------------

Dermal	LD50	>2,000 mg/kg (rat)
--------	------	--------------------

CAS: 100-51-6 Benzyl alcohol

Oral	LD50	1,230 mg/kg (rat)
------	------	-------------------

	ATE	1,200 mg/kg (ATE)
--	-----	-------------------

Dermal	LD50	2,000 mg/kg (rabbit)
--------	------	----------------------

Inhalative	LC50/4 h	>4,178 mg/L (rat)
------------	----------	-------------------

CAS: 1477-55-0 m-phenylenebis(methylamine)

Oral	LD50	1,040 mg/kg (rat)
------	------	-------------------

	ATE	930 mg/kg (not defined)
--	-----	-------------------------

Inhalative	LC50/4 h	2.4 mg/L (rat)
------------	----------	----------------

CAS: 2855-13-2 3-aminomethyl-3,5,5-trimethylcyclohexylamine

Oral	LD50	1,000 mg/kg (rat)
------	------	-------------------

		1,030 mg/kg (ATE)
--	--	-------------------

CAS: 80-05-7 4,4'-isopropylidenediphenol

Oral	LD50	3,250 mg/kg (rat)
------	------	-------------------

Dermal	LD50	3,000 mg/kg (rabbit)
--------	------	----------------------

CAS: 109-55-7 3-aminopropyl dimethylamine

Oral	LD50	1,037 mg/kg (unknown)
------	------	-----------------------

CAS: 90-72-2 2,4,6-tris(dimethylaminomethyl)phenol

Oral	LD50	1,670 mg/kg (rat)
------	------	-------------------

CAS: 69-72-7 salicylic acid

Oral	LD50	891 mg/kg (rat)
------	------	-----------------

CAS: 919-30-2 3-aminopropyltriethoxysilane

Oral	LD50	1,457 mg/kg (rat)
------	------	-------------------

Dermal	LD50	4,000 mg/kg (rabbit)
--------	------	----------------------

Inhalative	LC50/6 h	>5 mg/L (rat)
------------	----------	---------------

(Contd. on page 10)

GB

Safety data sheet

acc. (EC) 1907/2006, as amended by UK SI 2019/758

Printing date 04.06.2025

Version number 13 (replaces version 12)

Revision: 04.06.2025

Trade name: TREMCO ES100 B

(Contd. of page 9)

- **Primary irritant effect:**
- **Skin corrosion/irritation**
Causes severe skin burns and eye damage.
- **Serious eye damage/irritation**
Causes serious eye damage.
- **Respiratory or 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**
May damage 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.
- **Additional toxicological information:** Corrosive to the respiratory tract.
- **Information on likely routes of exposure** No further relevant information available.
- **Symptoms related to the physical, chemical and toxicological characteristics**
No further relevant information available.
- **Delayed and immediate effects as well as chronic effects from short and long-term exposure**
No further relevant information available.
- **11.2 Information on other hazards**

· Endocrine disrupting properties		
CAS: 80-05-7	4,4'-isopropylidenediphenol	List I
CAS: 109-55-7	3-aminopropyldimethylamine	List II
CAS: 69-72-7	salicylic acid	List II; III

CAS: 80-05-7	4,4'-isopropylidenediphenol	List I
CAS: 109-55-7	3-aminopropyldimethylamine	List II
CAS: 69-72-7	salicylic acid	List II; III

SECTION 12: Ecological information

- **12.1 Toxicity**
- **Aquatic toxicity:** Very toxic to aquatic life with long lasting effects.
- **12.2 Persistence and degradability** No further relevant information available.
- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Endocrine disrupting properties**
For information on endocrine disrupting properties see section 11.
- **12.7 Other adverse effects**
- **Remark:** Very toxic for fish
- **Additional ecological information:**
- **General notes:**
Very toxic for aquatic organisms
Do not allow product to reach ground water, water course or sewage system.

(Contd. on page 11)

Safety data sheet

acc. (EC) 1907/2006, as amended by UK SI 2019/758

Printing date 04.06.2025

Version number 13 (replaces version 12)

Revision: 04.06.2025

Trade name: TREMCO ES100 B

(Contd. of page 10)

Must not reach sewage water or drainage ditch undiluted or unneutralised.
 Danger to drinking water if even small quantities leak into the ground.

SECTION 13: Disposal considerations

· 13.1 Waste treatment methods

· Recommendation

Must not be disposed together with household garbage. Do not allow product to reach sewage system.
 Disposal must be made according to official regulations.

Can be disposed of with household garbage after solidification following consultation with the waste disposal facility operator and the pertinent authorities and adhering to the necessary technical regulations.

· European waste catalogue

08 04 09*	waste adhesives and sealants containing organic solvents or other hazardous substances
HP6	Acute Toxicity
HP8	Corrosive
HP10	Toxic for reproduction
HP13	Sensitising
HP14	Ecotoxic

· Uncleaned packaging:

· Recommendation:

Dispose of packaging according to regulations on the disposal of packagings.
 Packagings that may not be cleansed are to be disposed of in the same manner as the product.
 Non contaminated packagings may be recycled.

SECTION 14: Transport information

· 14.1 UN number or ID number

· ADR, IMDG, IATA

UN2735

· 14.2 UN proper shipping name

· ADR

2735 AMINES, LIQUID, CORROSIVE, N.O.S.
 (isophorone diamine, m-phenylenebis(methylamine)), ENVIRONMENTALLY HAZARDOUS

· IMDG

AMINES, LIQUID, CORROSIVE, N.O.S.
 (isophorone diamine, m-phenylenebis(methylamine)), MARINE POLLUTANT

· IATA

AMINES, LIQUID, CORROSIVE, N.O.S.
 (isophorone diamine, m-phenylenebis(methylamine))

(Contd. on page 12)

Safety data sheet

acc. (EC) 1907/2006, as amended by UK SI 2019/758

Printing date 04.06.2025

Version number 13 (replaces version 12)

Revision: 04.06.2025

Trade name: TREMCO ES100 B

(Contd. of page 11)

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

· Class 8 (C7) Corrosive substances.
· Label 8

· IMDG

· Class 8 Corrosive substances.
· Label 8

· IATA

· Class 8 Corrosive substances.
· Label 8

· 14.4 Packing group

· ADR, IMDG, IATA II

· 14.5 Environmental hazards: Product contains environmentally hazardous substances: polyaminoamide adduct

· Marine pollutant: Yes

· Special marking (ADR): Symbol (fish and tree)

· Special marking (ADR): Symbol (fish and tree)

· 14.6 Special precautions for user Warning: Corrosive substances.

· Hazard identification number (Kemler code): 80

· EMS Number: F-A,S-B

· Segregation groups (SGG18) Alkalis

· Stowage Category A

· Segregation Code SG35 Stow "separated from" SGG1-acids

· 14.7 Maritime transport in bulk according to IMO instruments

Not applicable.

(Contd. on page 13)

Safety data sheet

acc. (EC) 1907/2006, as amended by UK SI 2019/758

Printing date 04.06.2025

Version number 13 (replaces version 12)

Revision: 04.06.2025

Trade name: TREMCO ES100 B

(Contd. of page 12)

· Transport/Additional information:**· ADR****· Limited quantities (LQ)**

1L

· Excepted quantities (EQ)

Code: E2

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 500 ml

· Transport category

2

· Tunnel restriction code

E

· IMDG**· Limited quantities (LQ)**

1L

· Excepted quantities (EQ)

Code: E2

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 500 ml

· UN "Model Regulation":
 UN 2735 AMINES, LIQUID, CORROSIVE, N.O.S.
 (ISOPHORONE DIAMINE, M-PHENYLENEBIS(METHYLAMINE)), 8, II,
 ENVIRONMENTALLY HAZARDOUS

SECTION 15: Regulatory information

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

HSE EH40/2005 Workplace Exposure Limits (as amended)

Guidance on the classification and assessment of waste | Technical Guidance WM3 (1st edition 2015)

 "GB- CLP" UK SI 2019 No. 720 The Chemicals (Health and Safety) and Genetically Modified Organisms
 (Contained Use) (Amendment etc.) (EU Exit) Regulations 2019

"UK- REACH" UK SI 2020 No. 1577 The UK REACH etc. (Amendment etc.) (EU Exit) Regulations 2020

The Endocrine Disruptor Lists I, II, III (www.edlists.org)**· Poisons Act****· Regulated explosives precursors**

None of the ingredients is listed.

· Regulated poisons

None of the ingredients is listed.

· Reportable explosives precursors

None of the ingredients is listed.

· Reportable poisons

None of the ingredients is listed.

· REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3, 30
· DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II

None of the ingredients is listed.

(Contd. on page 14)

Safety data sheet

acc. (EC) 1907/2006, as amended by UK SI 2019/758

Printing date 04.06.2025

Version number 13 (replaces version 12)

Revision: 04.06.2025

Trade name: TREMCO ES100 B

(Contd. of page 13)

- **REGULATION (EU) 2019/1148**

- **Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))**

None of the ingredients is listed.

- **Annex II - REPORTABLE EXPLOSIVES PRECURSORS**

None of the ingredients is listed.

- **Regulation (EC) No 273/2004 on drug precursors**

None of the ingredients is listed.

- **Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors**

None of the ingredients is listed.

- **National regulations:**

- **Information about limitation of use:**

Employment restrictions concerning juveniles must be observed.

Employment restrictions concerning pregnant and lactating women must be observed.

- **Other regulations, limitations and prohibitive regulations**

Carcinogens and Mutagens at Work Directive (EU) 2019/983 (amending 2004/37/EC)

- **Substances of very high concern (SVHC) according to EU REACH, Article 57**

CAS: 80-05-7 | 4,4'-isopropylidenediphenol

- **Substances of very high concern (SVHC) according to UK REACH**

CAS: 80-05-7 | 4,4'-isopropylidenediphenol

- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Relevant phrases**

- 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.
- H360F May damage fertility.
- H361d Suspected of damaging the unborn child.
- H400 Very toxic to aquatic life.

(Contd. on page 15)

Safety data sheet

acc. (EC) 1907/2006, as amended by UK SI 2019/758

Printing date 04.06.2025

Version number 13 (replaces version 12)

Revision: 04.06.2025

Trade name: TREMCO ES100 B

(Contd. of page 14)

H410 Very toxic to aquatic life with long lasting effects.

H412 Harmful to aquatic life with long lasting effects.

EUH071 Corrosive to the respiratory tract.

Department issuing SDS:

Prepared and verified in accordance with Annex II, Part A, 0.2.3. of "UK- REACH" UK SI 2019 No. 758
 The UK REACH etc. (Amendment etc.) (EU Exit) Regulations 2019

- Date of previous version:** 22.09.2023

- Version number of previous version:** 12

Abbreviations and acronyms:

ADR: Accord relatif au transport international 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

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

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

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

SVHC: Substances of Very High Concern

vPvB: very Persistent and very Bioaccumulative

ATE: Acute toxicity estimate values

Flam. Liq. 3: Flammable liquids – Category 3

Acute Tox. 4: Acute toxicity – Category 4

Skin Corr. 1B: Skin corrosion/irritation – Category 1B

Skin Corr. 1C: Skin corrosion/irritation – Category 1C

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Eye Dam. 1: Serious eye damage/eye irritation – Category 1

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

Skin Sens. 1: Skin sensitisation – Category 1

Skin Sens. 1A: Skin sensitisation – Category 1A

Skin Sens. 1B: Skin sensitisation – Category 1B

Repr. 1B: Reproductive toxicity – Category 1B

Repr. 2: Reproductive toxicity – Category 2

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1

Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1

Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

- * Data compared to the previous version altered.**