



WALL HARDENER

Safety Data Sheet

Previous revision : x - Updated : 2021 / 02 / 23 - Version : 1 - EN
according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

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

1.1. Product identifier

Product form : Mixture
Trade name : WALL HARDENER
Product group : Trade product
ID : EN-LSBAT-TTDUR-L
UFI : 7FVF-3MGS-RRHQ-53WU

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

1.2.1. Relevant identified uses

Main use category : Professional use
Penetrating stabilising hardener

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

TOUPRET UK LTD
Capital Business Centre - UNIT 58
Carlton Road 22
CR2 0BS South Croydon - Royaume-Uni
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fdstoupret@toupret.fr - <https://www.toupret.co.uk/>

1.4. Emergency telephone number

Country	Organisation/Company	Address	Emergency number	Comment
United Kingdom	National Poisons Information Service (Birmingham Centre) City Hospital	Dudley Road B18 7QH Birmingham	0344 892 0111	
United Kingdom	National Poisons Information Service (Cardiff Centre) Gwenwyn Ward, Llandough Hospital	Penarth CF64 2XX Cardiff	0344 892 0111	
United Kingdom	National Poisons Information Service Edinburgh Royal Infirmary of Edinburgh	Little France Crescent EH16 4SA Edinburgh	0344 892 0111	
United Kingdom	Guy's & St Thomas' Poisons Unit Medical Toxicology Unit, Guy's & St Thomas' Hospital Trust	Avonley Road SE14 5ER London	+44 20 7188 7188	
United Kingdom	National Poisons Information Service (Newcastle Centre) Regional Drugs and Therapeutics Centre, Wolfson Unit	Claremont Place Newcastle-upon-Tyne NE1 4LP Newcastle	0344 892 0111	
United Kingdom	National Poisons Information Service (Belfast Centre) Royal Victoria Hospital	Grosvenor Road BT12 6BA Belfast	0344 892 0111	

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Flam. Liq. 2 H225 - Eye Irrit. 2 H319 - STOT SE 3 H336.

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Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

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



UFI : 7FVF-3MGS-RRHQ-53WU

DANGER

Contains Isopropanol.

H225 : Highly flammable liquid and vapour.

H319 : Causes serious eye irritation.

H336 : May cause drowsiness or dizziness.

P102 : Keep out of reach of children.

P210 : Keep away from heat / sparks / open flames / hot surfaces. – No smoking.

P233 : Keep container tightly closed.

P280 : Wear protective gloves / protective clothing / eye protection / face protection.

P304 + P340 : IF INHALED : Remove victim to fresh air and keep at rest in a position 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.

P501 : Dispose of contents / container to hazardous or special waste collection point.

2.3. Other hazards

The mixture doesn't meet the criteria for PBT or vPvB in accordance with Annex XIII of REACH.

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

substances	concentration	CAS number EC number REACH number	Classification	VLEP (8 h)
Isopropanol	50 < - < 100 %	67-63-0 200-661-7 01-2119457558-25-xxxx	Flam. Liq.2 H225 - Eye Irrit. 2 H319 - STOT SE 3 H336	
Acetate ethyl	< 10 %	141-78-6 205-500-4 01-2119475103-46-xxxx	Flam. Liq.2 H225 - Eye Irrit. 2 H319 - STOT SE 3 H336	

The listed risk phrases is in the section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

After inhalation : Take the patient out into open air, and make sure he keeps warm and rests. If breathing is irregular or has stopped, carry out artificial respiration. Do not allow anything to be absorbed by mouth. If the person is unconscious, place in the recovery position and seek medical advice.

After contact with the skin : Take soiled clothes off. Wash the skin with soap and water or use an appropriate cleaning product. DO NOT use solvents or thinners.

After contact with the eyes : Rinse immediately and abundantly with water keeping the eyelids opened for at least 10 minutes. If irritation persists, consult an ophthalmologist.

After ingestion : NEVER give anything to someone unconscious. Rinse mouth, drink water and consult a doctor. Do not make throw up.

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

After inhalation : Vapours may cause drowsiness and dizziness.

After contact with the skin : Irritating. See SECTION 11 for more details.

After contact with the eyes : Irritating. See SECTION 11 for more details.

After ingestion : Irritating, drowsiness and dizziness. See SECTION 11 for more details.

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

In case of doubt, irritation persists or if symptoms persist seek medical advice or an ophthalmologist.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : water spray, foam, powders, CO₂.

Unsuitable extinguishing media : direct water jet

5.2. Special hazards arising from the substance or mixture

Do not allow fire-fighting effluent to penetrate into sewers or water courses. The vapors are heavier than air and may spread on the ground. A fire will cause a thick black smoke. Exposure to the decomposition products may entail health risks.

5.3. Advice for firefighters

Appropriate protective equipment must be required. Use water to cool sealed containers exposed to fire.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Eliminate sources of ignition and ventilate the rooms. Avoid inhaling smokes.

6.1.2. For emergency responders

Wear protective equipment. Provide adequate ventilation. Keep away unprotected persons. Keep away from heat and ignition sources. Avoid contact with skin and eyes. Do not breathe vapors or spray mist.

6.2. Environmental precautions

Prevent any penetration into sewers or water courses. If the product contaminates water-bearing beds, rivers or sewers, warn the appropriate authorities according to statutory procedures.

6.3. Methods and material for containment and cleaning up

Appropriate advice to contain a spill : Contain and collect leaks with non-combustible absorbent materials (for example : sand, earth, vermiculite or diatomaceous earth) and place in drums for disposal according to current regulations. (refer to section 13).

Appropriate advice to clean-up a spill : Preferably clean using detergent, do not use solvents.

Any other information : No data is available.

6.4. Reference to other sections

For personal protective equipment, refer to Section 8.

For residues disposal, refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Recommendations shall be specified to

allow safe handling : Use in well ventilated areas. Avoid contact with eyes, skin and clothing, and do not inhale the vapours or spray gun aerosols. For personal protective equipment, refer to Section 8. Keep the containers firmly closed. Never open the containers using pressure, and always keep the preparation in containers of the same material as the original container. Observe regulations concerning health and safety at work.

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prevent fire and explosions : The vapours are heavier than air. They may spread along the floor and form explosive mixtures with air. Do not allow flammable or explosive concentrations to form in the air and avoid vapour concentrations which exceed the maximum limits for occupational exposure. Use the product in rooms where there are no naked flames or other sources of ignition, and ensure that electrical equipment is protected. The preparation may become electrostatic : you always have to earth during decanting. It is recommended for workers to wear antistatic shoes and clothes and to realize grounds in conductive materials. Keep the containers firmly closed and keep them away from heat, sparks and naked flames. Do not use tools which can cause sparks.

Reduce the release to the environment : Prevent any penetration into sewers or water courses.

Advice on general occupational hygiene : Not eat, drink and smoke in work areas. Wash hands after use. Remove contaminated clothing before entering eating areas.

7.2. Conditions for safe storage, including any incompatibilities

Store in accordance with regulations. Observe precautions stated on the label. Store in a dry, well ventilated with a solvent-resistant floor. Keep away from all sources of ignition, heat and direct sunlight.

Keep the product away from oxidizing agents and highly acidic or alkaline materials. Do not smoke. Unauthorized persons must not be allowed access to the rooms. Opened containers must be closed again firmly and stored in a vertical position.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1 National occupational exposure and biological limit values

substances	CAS number	ppm	mg/m ³	Note
Isopropanol	67-63-0	400	980	Valeur limite indicative France INRS 2007
Acetate ethyl	141-78-6	400	1500	TWA – base TRGS (DE)

8.1.2. Recommended monitoring procedures

No additional information available

8.1.3. Air contaminants formed

No additional information available

8.1.4. DNEL and PNEC

substances	Estimated exposure	Type of exposure	Population	Values
Isopropanol	dermal	Long-term systemic effects	Consumer	319 mg/kg
	Inhalation	Long-term systemic effects		89 mg/m ³
	Oral	Long-term systemic effects		26 mg/kg
Acetate ethyl	dermal	Long-term systemic effects	Consumer	37 mg/kg
	Inhalation	Long-term systemic effects		367 mg/m ³
	Oral	Long-term systemic effects		4,5 mg/kg

8.1.5. Control banding

No additional information available

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Make sure there is adequate ventilation, if possible by extraction at the work stations and appropriate general extraction. If this ventilation is insufficient to keep the concentrations of particles and solvent vapours below the maximum exposure limits, wear breathing apparatus.

8.2.2. Personal protection equipment



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General hygiene measures : Not eat, drink and smoke in work areas Wash hands, forearms and face before eating, smoking and using the toilet and after handling.

Eye / face protection : Use eye protection designed to protect against liquid spray : (EN 166). Do not wear lenses.

Hand protection : Use gloves approved to EN 374: nitrile rubber (0.35 mm) or butyl rubber (0.5 mm) or fluorinated rubber (0.4 mm thick). Barrier creams may be used for exposed parts of the skin, however they should not be applied after contact with the product. Impervious protective gloves lined inside with cotton. The "barrier" creams may be used.

Skin protection : Wear protective clothing resistant to solvents. After contact with the product, all soiled parts should be washed..

Respiratory protection : If operators are subjected to concentrations which exceed the maximum exposure limits, they must wear breathing apparatus 'EN 14387 (anti-gas and steam filter type A).

Thermal hazards : Highly flammable liquid and vapour. Keep away from heat / sparks / open flames / hot surfaces. – No smoking.

8.2.3. Environmental exposure controls

No additional information available

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: Colourless
Appearance	: Not available
Odour	: Not available
Odour threshold	: Not available
Melting point	: - 88 °C (**)
Freezing point	: Not available
Boiling point	: 82 °C (**)
Flammability	: Not available
Explosive limits	: Not applicable
Lower explosive limit (LEL)	: 2 % (V) (**)
Upper explosive limit (UEL)	: 12 % (V) (**)
Flash point	: 12 °C (**)
Auto-ignition temperature	: 425 °C (**)
Decomposition temperature	: Not available
pH	: 6 – 8
pH solution	: Not available
Viscosity, kinematic	: 2.43 mPa.s at 20 °C (**)
Solubility	: Not solubility in water
Partition coefficient n-octanol/water (Log Kow)	: 0.05 (**)
Vapour pressure	: 48 hPa à 20 °C (**)
Vapour pressure at 50 °C	: Not available
Density	: Not available
Relative density	: ≈ 0.9 à 20 °C
Relative vapour density at 20 °C	: 2 (**)
Particle size	: Not available
Particle size distribution	: Not available
Particle shape	: Not available
Particle aspect ratio	: Not available
Particle aggregation state	: Not available
Particle agglomeration state	: Not available
Particle specific surface area	: Not available
Particle dustiness	: Not available

(**)This information comes from the majority substance : Isopropanol

9.2. Other information

9.2.1. Information with regard to physical hazard classes

No additional information available

9.2.2. Other safety characteristics

VOC content : ≈ 70%

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SECTION 10: Stability and reactivity

10.1. Reactivity

No reactive.

10.2. Chemical stability

Stable at ambient temperature and in normal use conditions.

10.3. Possibility of hazardous reactions

Keep away from oxidizing agents and highly acidic or basic materials in order to avoid exothermic reactions.

10.4. Conditions to avoid

Heat, flames and sparks.

10.5. Incompatible materials

Highly acidic and oxidizing agents.

10.6. Hazardous decomposition products

None dangerous decomposition products in normal conditions of storage. If the product is exposed to high temperature, it might give off dangerous decomposition products such as carbon oxide.

SECTION 11: Toxicological information

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

11.1.1 Mixture

Acute toxicity (oral) : Not classified
Acute toxicity (dermal) : Not classified
Acute toxicity (inhalation) : Not classified

Skin corrosion/irritation : May cause skin irritation.
Serious eye damage/irritation : May cause eyes irritation.
Respiratory or skin sensitisation : Not classified
Germ cell mutagenicity : Not classified
Carcinogenicity : Not classified

Reproductive toxicity : Not classified

STOT-single exposure : Vapours may cause drowsiness and dizziness.

STOT-repeated exposure : Not classified

Aspiration hazard : Aspiration into the lungs of swallowed or vomited product can cause chemical pneumonitis which can be fatal.

11.1.2 substances in mixture

substances	CAS n°	Inhalation	Oral	Dermal
Isopropanol	67-63-0	low toxicity	LD50 > 5000 mg/kg (rat)	LD50 > 5000 mg/kg (rabbit)
Acetate ethyl	141-78-6	LC50 > 22,5 mg/l (rat)	LD50 = 4934 mg/kg (rabbit)	LD50 = 20000 mg/kg (rabbit)

11.2. Information on other hazards

No additional information available

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SECTION 12: Ecological information

12.1. Toxicity

No datum on the mixture is available.

Datum on the substances :

substances	CAS n°	Fish	Algae	Daphne	Microorganisms
Isopropanol	67-63-0	LC50 > 100 mg/l	LC50 > 100 mg/l	EC50 =13299 mg/l	LC50 > 100 mg/l
Acetate ethyl	141-78-6	LC50 = 230 mg/l	LC50 = 5600 mg/l	EC50 =165 mg/l	

12.2. Persistence and degradability

The substances are readily biodegradable.

12.3. Bioaccumulative potential

The substances are estimated not bioaccumulative.

12.4. Mobility in soil

Isopropanol is movable and dissolves in water.

Acetate Ethyl is insoluble and floats on water.

12.5. Results of PBT and vPvB assessment

The mixture doesn't meet the criteria for PBT or vPvB in accordance with Annex XIII of REACH.

12.6. Endocrine disrupting properties

No additional information available

12.7. Other adverse effects

Do not discharge in sewers or water courses to avoid accumulation.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Type of waste : hazardous waste : HP3.

Waste code : 08-01-11 : Waste paint and varnish containing organic solvents or other dangerous substances.

Product : Waste from residues or unused products to the extent possible, recycling is preferable to disposal. Storage in an approved landfill. Respect the local current regulations. Do not discharge the product in sewers or waterways. Sewage water must be decanted before being evacuated.

Contaminated Packaging : Treatment by careful draining. Empty and ventilate in a safe place, away from any source of sparks or fire. Respect the local current regulations.

SECTION 14: Transport information

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

14.1. UN number or ID number

UN-No. (ADR)	: 1263 Limited Quantities (LQ)
UN-No. (IMDG)	: Not applicable
UN-No. (IATA)	: Not applicable
UN-No. (ADN)	: Not applicable
UN-No. (RID)	: Not applicable

14.2. UN proper shipping name

Proper Shipping Name (ADR)	: Material related to paints
Proper Shipping Name (IMDG)	: Not applicable

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Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable
Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Class : 3, Code ADR : F1

IMDG

Transport hazard class(es) (IMDG) : Class : 3, N° EMS : 3-05

IATA

Transport hazard class(es) (IATA) : Class : 3, N° EMS : 3-05

ADN

Transport hazard class(es) (ADN) : Class : 3, Code ADR : F1

RID

Transport hazard class(es) (RID) : Class : 3, Code ADR : F1

14.4. Packing group

Packing group (ADR) : II
Packing group (IMDG) : Not applicable
Packing group (IATA) : Not applicable
Packing group (ADN) : Not applicable
Packing group (RID) : Not applicable

14.5. Environmental hazards

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

14.6. Special precautions for user

Overland transport

Not applicable

Transport by sea

Not applicable

Air transport

Not applicable

Inland waterway transport

Not applicable

Rail transport

Not applicable

14.7. Maritime transport in bulk according to IMO instruments

Not applicable

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

Directive 2004/42/CE : EU limit value for this product (cat. A/h) : 750 g/l (2010). This product contains max. 730 g/l VOC.

Regulation 861/2010 : 32082010 : varnishes based on acrylic or vinyl polymers dissolved in a non-aqueous medium.

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VOC content : ≈ 70%

15.1.2. National regulations

No additional information available.

15.2. Chemical safety assessment

No additional information available

SECTION 16: Other information

The classification complies with : ATP 12

The listed phrases refer to section 2 and 3 :

Flam. Liq.2 : flammable liquids – Category 2. - H 225 : Highly flammable liquid and vapour.

Eye Irrit. 2 : eye irritation – Category 2. - H 319 : Causes serious eye irritation.

STOT SE 3 : specific target organ toxicity - single exposure [Narcosis] – Category 3 - H 336 : May cause drowsiness or dizziness.

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.