



Material Safety Data Sheet

Reference	HS1285B
Issue Date	NOV 2016
Issue No	2
Supersedes	1
Approved by	GPL
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Product : EDGE SEALER

1. IDENTIFICATION	
1.1 COMMERCIAL NAME	EDGE SEALER (UKT79EDGE)
1.2 DESCRIPTION	Edge fixing sealant to improve adhesion and performance of anti-slip tape
1.3 SUPPLIER	UK Tapes Ltd, Unit 14, Finch Park, Springwood Industrial Estate, Braintree, CM7 2SF. Tel : 01376 349090
1.4 HAZARDOUS CLASSIFICATION	Highly Flammable

2. HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Physical hazards
Flam. Liq. 2 – H225

Health hazards
Eye Irrit. 2 – H319 STOT SE 3 – H336

Environmental hazards
Not classified

Classification (67/548/EEC or 1999/45/EC)
Xi;R36. F;R11. R66, R67

Physicochemical

The product is highly flammable. Vapours may form explosive mixtures with air. Vapours are heavier than air and may travel along the floor and accumulate in the bottom of containers. Vapours may be ignited by a spark, a hot surface or an ember.

2.2. Label elements

In compliance with EC regulation No. 1272/2008 and its amendments.

Hazard pictograms : GHS02, GHS07
Signal Word : DANGER

Hazard statements :

H225 Highly flammable liquid and vapour.
H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness

Precautionary statements :

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P260 Do not breathe vapours
P271 Use only outdoors or in a well-ventilated area
P280 Wear protective gloves / protective clothing / eye protection / face protection
P305 If in eyes – rinse with water for several minutes
P351 If in eyes – rinse with water for several minutes
P338 If in eyes – rinse with water for several minutes
P501 Dispose of contents/container in accordance with national regulations

Contains

BUTANONE, ACETONE, ETHYL ACETATE

2.3. Other hazards

The mixture does not contain substances classified as 'Substances of Very High Concern' (SVHC) >= 0.1% published by the European Chemicals Agency (ECHA) under article 57 of REACH: <http://echa.europa.eu/fr/candidate-list-table>

The mixture satisfies neither the PBT nor the vPvB criteria for mixtures in accordance with annexe XIII of the REACH regulations EC 1907/2006.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Mixtures Composition

Identification	(EC) 1272/2008	Note	%
CAS: 78-93-3 EC: 201-159-0 REACH: 01-2119457290-43 BUTANONE	Flam. Liq 2, H225 Eye Irrit. 2 – H319		25 <= x % < 50
CAS: 67-64-1 EC: 200-662-2 REACH: 01-21192119471330-49 ACETONE	Flam. Liq 2, H225 Eye Irrit. 2 – H319 Acute Tox. 4 – H312		25 <= x % < 50
CAS: 141-78-6 EC: 205-500-4 REACH: 01-2119475103-46 ETHYL ACETATE	Flam. Liq. 2, H225 Eye Irrit. 2, H319		10 <= x % < 25

Information on ingredients :

[1] Substance for which maximum workplace exposure limits are available.

4. FIRST AID

As a general rule, in case of doubt or if symptoms persist, always call a doctor.
NEVER induce swallowing by an unconscious person.

4.1. Description of first aid measures

In the event of splashes or contact with eyes :

Wash thoroughly with fresh, clean water for 15 minutes holding the eyelids open.

In the event of splashes or contact with skin :

Remove contaminated clothing and wash the skin thoroughly with soap and water or a recognised cleaner.

Watch out for any remaining product between skin and clothing, watches, shoes, etc.

If the contaminated area is widespread and/or there is damage to the skin, a doctor must be consulted or the patient transferred to hospital.

In the event of swallowing :

In the event of swallowing, if the quantity is small (no more than one mouthful), rinse the mouth with water and consult a doctor.

Keep the person exposed at rest. Do not force vomiting.

Seek medical attention, showing the label.

If swallowed accidentally, call a doctor to ascertain whether observation and hospital care will be necessary. Show the label.

In the event of inhalation :

Remove affected person from source contamination. Move affected person to fresh air and keep warm

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

In the event of splashes or contact with eyes :

May cause temporary eye irritation

In the event of splashes or contact with skin :

Prolonged contact may cause redness and irritation

In the event of swallowing :

May cause discomfort if swallowed. May cause stomach pain or vomiting.

In the event of inhalation :

Vapours may cause headache, fatigue, dizziness and nausea.

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

No data available. If in doubt, get medical attention.



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5. FIRE FIGHTING MEASURES

Flammable.

Chemical powders, carbon dioxide and other extinguishing gas are suitable for small fires.

5.1. Extinguishing media

In the event of fire, use specifically suitable extinguishing agents. Never use water. Keep packages near the fire cool, to prevent pressurised containers from bursting.

Suitable methods of extinction

In the event of a fire, use :

- sprayed water or water mist
- water with AFFF (Aqueous Film Forming Foam) additive
- halon
- foam
- multipurpose ABC powder
- BC powder
- carbon dioxide (CO₂)

Prevent the effluent of fire-fighting measures from entering drains or waterways.

Unsuitable methods of extinction

In the event of a fire, do not use :

- water
- water jet

5.2. Special hazards arising from the substance or mixture

The product is highly flammable. Heating may generate vapours. Protection against dust must be used when airborne concentration exceeds 10mg/m³.

5.3. Advice for firefighters

Fire-fighting personnel are to be equipped with chemical protective suit and should control run-off water by containing and keeping it out of sewers and watercourses. Avoid breathing fire gases or vapours. Keep up-wind to avoid fumes.

6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Consult the safety measures listed under headings 7 and 8.

For non first aid worker

Because of the organic solvents contained in the mixture, eliminate sources of ignition and ventilate the area. Avoid any contact with the skin and eyes.

For first aid worker

First aid workers will be equipped with suitable personal protective equipment (See section 8).

6.2. Environmental precautions

Contain and control the leaks or spills with non-combustible absorbent materials such as sand, earth, vermiculite, diatomaceous earth in drums for waste disposal. Prevent any material from entering drains or waterways.

6.3. Methods and material for containment and cleaning up

Clean preferably with a detergent, do not use solvents.

6.4. Reference to other sections

No data available.

7. STORAGE & HANDLING

Requirements relating to storage premises apply to all facilities where the mixture is handled.

7.1. Precautions for safe handling

Always wash hands after handling.
Remove and wash contaminated clothing before re-using.
Ensure that there is adequate ventilation, especially in confined areas.

Fire prevention :

Handle in well-ventilated areas.

Vapours are heavier than air. They can spread along the ground and form mixtures that are explosive with air.

Prevent the formation of flammable or explosive concentrations in air and avoid vapor concentrations higher than the occupational exposure limits.

Do not spray on a naked flame or any incandescent material.

Do not pierce or burn, even after use.

Use the mixture in premises free of naked flames or other sources of ignition and ensure that electrical equipment is suitably protected.

Keep packages tightly closed and away from sources of heat, sparks and naked flames.

Do not use tools which may produce sparks. Do not smoke.

Prevent access by unauthorised personnel.

Recommended equipment and procedures :

For personal protection, see section 8.
 Observe precautions stated on label and also industrial safety regulations.
 Never pour water into this mixture.
 Do not breathe in aerosols.
 Packages which have been opened must be reclosed carefully and stored in an upright position.

Prohibited equipment and procedures :

No smoking, eating or drinking in areas where the mixture is used.

7.2. Conditions for safe storage, including any incompatibilities

No data available.

Storage

Keep out of reach of children.
 Keep the container tightly closed in a dry, well-ventilated place.
 Keep away from all sources of ignition - do not smoke.
 Keep well away from all sources of ignition, heat and direct sunlight.
 The floor must be impermeable and form a collecting basin so that, in the event of an accidental spillage, the liquid cannot spread beyond this area.
 Pressurised container: protect from sunlight and do not expose to temperatures exceeding 50°C.

Pressurised container: protect from sunlight and do not expose to temperatures exceeding 50°C.

Packaging

Always keep in packaging made of an identical material to the original.

7.3. Specific end use(s)

No data available.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Personal protection measures, such as personal protective equipment

Use personal protective equipment that is clean and has been properly maintained.
 Store personal protective equipment in a clean place, away from the work area.
 Never eat, drink or smoke during use. Remove and wash contaminated clothing before re-using. Ensure that there is adequate ventilation, especially in confined areas.

Eye / face protection

Avoid contact with eyes.
 Use eye protectors designed to protect against liquid splashes
 Before handling, wear safety goggles in accordance with standard EN166.

Hand protection

Use suitable protective gloves that are resistant to chemical agents in accordance with standard EN374.
 Gloves must be selected according to the application and duration of use at the workstation.
 Protective gloves need to be selected according to their suitability for the workstation in question : other chemical products that may be handled, necessary physical protections (cutting, pricking, heat protection), level of dexterity required.
 Type of gloves recommended :
 - Nitrile rubber (butadiene-acrylonitrile copolymer rubber (NBR))
 - PVA (Polyvinyl alcohol)
 Recommended properties :
 - Impervious gloves in accordance with standard EN374

Body protection

Avoid skin contact.
 Wear suitable protective clothing.
 Suitable type of protective clothing :
 In the event of substantial spatter, wear liquid-tight protective clothing against chemical risks (type 3) in accordance with EN14605 to prevent skin contact.
 In the event of a risk of splashing, wear protective clothing against chemical risks (type 6) in accordance with EN13034 to prevent skin contact.
 Work clothing worn by personnel shall be laundered regularly.
 After contact with the product, all parts of the body that have been soiled must be washed.

9. PHYSICAL & CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

General information :

Physical state : Coloured liquid

Important health, safety and environmental information

pH : Not relevant.

Boiling point/boiling range : Not specified.

Vapour pressure (50°C) : Not relevant.

Density : < 1

Water solubility : Insoluble.

Melting point/melting range : Not specified.

Self-ignition temperature : Not specified.

Decomposition point/decomposition range : Not specified.

Chemical combustion heat : Not specified.

Inflammation time : Not specified.

Deflagration density : Not specified.

Inflammation distance : Not specified.

Flame height : Not specified.

Flame duration : Not specified.

9.2. Other information

No data available.

10. STABILITY & REACTIVITY

10.1. Reactivity

No data available.

10.2. Chemical stability

This mixture is stable under the recommended handling and storage conditions in section 7.

10.3. Possibility of hazardous reactions

No data available.

10.4. Conditions to avoid

Any apparatus likely to produce a flame or to have a metallic surface at high temperature (burners, electric arcs, furnaces etc.) must not be allowed on the premises.

Avoid :

- heating

- heat

- humidity

Protect from moisture. Reaction with water can cause an exothermic reaction.

10.5. Incompatible materials

Keep away from :

- water

10.6. Hazardous decomposition products

The thermal decomposition may release/form :

- carbon monoxide (CO)

- carbon dioxide (CO₂)

11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Exposure to vapours from solvents in the mixture in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on kidney, liver and central nervous system.

Symptoms produced will include headaches, numbness, dizziness, fatigue, muscular asthenia and, in extreme cases, loss of consciousness.

Repeated or prolonged contact with the mixture may cause removal of natural oil from the skin resulting in non-allergic contact dermatitis and absorption through the skin.

Splashes in the eyes may cause irritation and reversible damage

11.1.1. Substances

BUTANONE

Oral route : LD50 > 2000 mg/kg

Species : Rat

Dermal route : LD50 > 2000 mg/kg

Species : Rat

Inhalation route (n/a) : LC50 > 20 mg/l

Species : Rat

11.1.2. Mixture

No toxicological data available for the mixture.

12. ECOLOGICAL INFORMATION

12.1. Toxicity

The product is not believed to present a hazard due to its physical nature.

12.1.2. Mixtures

No aquatic toxicity data available for the mixture.

12.2. Persistence and degradability

12.3. Bioaccumulative potential

No data available.

12.4. Mobility in soil

The product contains volatile organic compounds (VOCs) which will evaporate easily from all surfaces.

12.5. Results of PBT and vPvB assessment

No data available.

12.6. Other adverse effects

No data available.

13. DISPOSAL CONSIDERATIONS

Proper waste management of the mixture and/or its container must be determined in accordance with Directive 2008/98/EC.

13.1. Waste treatment methods

Do not pour into drains or waterways.

Waste :

Waste management is carried out without endangering human health, without harming the environment and, in particular without risk to water, air, soil, plants or animals.

Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company.

Do not contaminate the ground or water with waste, do not dispose of waste into the environment.

Soiled packaging :

Empty container completely. Keep label(s) on container.

Give to a certified disposal contractor.

Codes of wastes (Decision 2001/573/EC, Directive 2006/12/EEC, Directive 94/31/EEC on hazardous waste) :

16 05 04 * gases in pressure containers (including halons) containing dangerous substances

14. TRANSPORT INFORMATION

Transport product in compliance with provisions of the ADR for road, RID for rail, IMDG for sea and ICAO/IATA for air transport (ADR 2015 - IMDG 2014 - ICAO/IATA 2015).

14.1. UN number

1133

14.2. UN proper shipping name

UN1133 : ADHESIVES

14.3. Transport hazard class(es)

- Classification : 3

14.4. Packing group

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14.5. Environmental hazards

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15. REGULATORY INFORMATION

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

- Classification and labelling information included in section 2:

The following regulations have been used:

- Directive 75/734/CEE modified by directive 2013/10/UE

- EU Regulation No. 1272/2008 amended by EU Regulation No. 487/2013.

- EU Regulation No. 1272/2008 amended by EU Regulation No. 758/2013.

- EU Regulation No. 1272/2008 amended by EU Regulation No. 944/2013.

- EU Regulation No. 1272/2008 amended by EU Regulation No. 605/2014.

- EU Regulation No. 1272/2008 amended by EU Regulation No. 1297/2014.

- Container information:

No data available.

- Particular provisions :

No data available.

- Standardised American system for the identification of hazards presented by the product in view of emergency procedures (NFPA 704) :

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16. OTHER INFORMATION

Since the user's working conditions are not known by us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations.

The mixture must not be used for other uses than those specified in section 1 without having first obtained written handling instructions.

It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations.

The information in this safety data sheet must be regarded as a description of the safety requirements relating to the mixture and not as a guarantee of the properties thereof.

Wording of the phrases mentioned in section 3 :

H220 Extremely flammable gas.

H225 Highly flammable liquid and vapour.

H226 Flammable liquid and vapour.

H280 Contains gas under pressure; may explode if heated.

H304 May be fatal if swallowed and enters airways.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

H412 Harmful to aquatic life with long lasting effects.

EUH066 Repeated exposure may cause skin dryness or cracking.

Abbreviations :

DNEL : Derived No-Effect Level

ADR : European agreement concerning the international carriage of dangerous goods by Road.

IMDG : International Maritime Dangerous Goods.

IATA : International Air Transport Association.

ICAO : International Civil Aviation Organisation

RID : Regulations concerning the International carriage of Dangerous goods by rail.

WGK : Wassergefährdungsklasse (Water Hazard Class).

GHS02 : Flame

PBT: Persistent, bioaccumulable and toxic.

vPvB : Very persistent, very bioaccumulable.