

SAFETY DATA SHEET according to regulation (EC) No.1907/2006

SECTION 1: Identification of the substance/mixture and company

1.1. Product Identifier

Product code: E5DWPOsb

Name: Penetrating Fluid

1.2. Product Uses De-watering, penetrating and release fluid.

1.3. Supplier

Starbrite Chemicals Ltd
Unit 27, Bolney Grange Business Park
Stairbridge Lane, Bolney
RH17 5PA
Phone: 01444 237700
Web: www.starbrite.co.uk
Fax: 01444 237701
Email: enquiries@starbrite.co.uk

1.4. Emergency telephone number

Emergency Telephone Number: 01444 237700

SECTION 2: Hazards identification (Undiluted product)

2.1. Classification of the mixture

According to 1272/2008

Health Hazards: Asp. Tox. 1, STOT SE 3

Physical Hazards: Flam. Liq. 3

Environmental Hazards: Aquatic Chronic 2

2.2. Label elements

According to 1272/2008

Danger



H304 May be fatal if swallowed and enters airways

H336 May cause drowsiness or dizziness

H411 Toxic to aquatic life with long lasting effects

H226 Flammable liquid and vapour

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

P261 Avoid breathing mist/vapours/spray.

P301 + P310 IF SWALLOWED: Immediately call a POISON CENTRE/doctor/...

P331 Do NOT induce vomiting.

P304 + P340 IF INHALED: Remove person to fresh air and keep at rest in a position comfortable for breathing.

P403 + P233 Store in a well-ventilated place. Keep container tightly closed.

P273 Avoid release to the environment. P391 Collect spillage.

P405 Store locked up.

2.3. Other hazards

SECTION 3: Composition/ information on ingredients

Material	CAS number	Level	Hazards (see section 16)	
Hydrocarbon Solvent	64742-82-1	70-100%	Aquatic Chronic 2, Asp. Tox. 1, Flam. Liq. 3, STOT SE 3	H226 H304 H336 H411
Mineral Oil	8042-47-5	10-25%	Asp. Tox. 1	H304

SECTION 4: First aid measures

4.1. Description of first aid measures

- Eye contact: Immediately flush eyes with water, holding eyelids apart, for at least 10 minutes. Seek medical assistance immediately.
- Skin contact: Remove contaminated clothing, wash skin with soap and water. Seek medical attention immediately.
- Inhalation: In case of overexposure, remove to fresh air, keep warm and at rest, seek medical assistance immediately.
- Ingestion: Do not induce vomiting. Seek medical assistance immediately.

First aider PPE: As required to prevent contact. See section 8.2.

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

- Eye hazard: Will cause discomfort.
- Skin hazard: Prolonged or repeated contact may cause irritation/dryness.
- Respiratory hazard: Excessive exposure may cause irritation of the respiratory tract, headache, dizziness and nausea.
- Other hazards:

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

No special treatment or attention required additional to section 4.2.

SECTION 5: Fire fighting measures

Flammability hazard: Flammable.

5.1. Extinguishing media

Use foam, dry powder or carbon dioxide.

5.2. Special hazards arising from the mixture

No specific hazards arising from the mixture. May produce toxic fumes under extreme heating in fire.

5.3. Advice for firefighters

No special measures arising from the mixture.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Take precautions to avoid contact. Use Personal Protective Equipment as detailed in section 8

Exclude sources of ignition, provide ventilation. Spillage may make floors slippery. Keep the area clear. Observe regulations.

6.2. Environmental precautions

Prevent spills from entering water courses.

6.3. Methods and material for containment and cleaning up

Absorb using sand or other inert material and transfer to suitable containers for disposal.

6.4. Reference to other sections

Observe the advice given in sections 8 and 13

SECTION 7: Handling and storage

Shelf life: 24 months in original sealed containers.

7.1. Precautions for safe handling

Do not mix with other products. Observe good industrial hygiene.

7.2. Conditions for safe storage, including any incompatibilities

Store in a cool, dry place protected from frost and away from acids, strong oxidising agents and sources of ignition. Store upright in original containers. Recommended storage temperature 5-25°C.

7.3. Product Uses

Spray, or brush on product until a thin layer has displaced all water. Allow to dry. To release seized parts, spray, or brush on and allow to soak in, before proceeding to remove the part.

For general lubrication and preservation, apply a small quantity as necessary.

Please refer to product safety data sheet before use. Use only as directed.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Workplace exposure limits

Hydrocarbon Solvent 600 mg/m³ WEL 8 hour TWA (Recommended)

8.2. Exposure controls

These measures are suggested on the basis of general use methods and may not be appropriate to all potential uses of the product. The user is responsible for carrying out a full risk assessment of their specific processes and systems of work.

Eye protection: Wear eye protection appropriate to the process according to BS EN 166 if splashing is likely.
Hand protection: Wear nitrile or neoprene gloves. Exact choice of glove depends on specific risk assessments.
Body protection: As necessary to prevent contact.
Respiratory protection: Use in a well ventilated area. Avoid breathing vapour or spray. Wear a respirator if necessary.
Other protection:

Personal protective equipment:



Exact PPE requirements should be determined from a specific risk assessment of the processes being carried out.

Environmental protection: Prevent mixture from entering water courses.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance: Colourless to pale straw liquid.

Odour: Characteristic, solvent.

pH (typical): Not applicable.

Initial boiling point: 145°C.

Flash point: 40°C typical.

Auto-ignition temp: 230°C.

Viscosity: Free flowing.

Explosive properties: Not applicable.

Oxidising properties: Not applicable.

Vapour pressure: 4mm Hg at 20°C.

Solubility: Immiscible with water.

Relative density at 20° C (typical): 0.799

9.2. Other information

SECTION 10: Stability and reactivity

- 10.1. Reactivity** Incompatible with strong oxidising agents and acids.
- 10.2. Chemical stability** Stable under recommended storage conditions.
- 10.3. Possibility of hazardous reactions** No hazardous reactions are expected to occur.
- 10.4. Conditions to avoid** Extremes of temperature.
- 10.5. Incompatible materials** Incompatible with strong oxidising agents and acids.
- 10.6. Hazardous decomposition products** None known.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

- Acute toxicity: Does not contain any ingredients classified as acutely toxic.
- Skin corrosion/ irritation: Based on available data, the classification criteria are not met.
- Serious eye damage/ irritation: Does not contain any ingredients classified as eye corrosive/ eye irritant.
- Respiratory or skin sensitisation: Does not contain any ingredients classified as sensitising.
- Germ cell mutagenicity: Does not contain any ingredients classified as mutagenic.
- Carcinogenicity: Does not contain any ingredients classified as carcinogenic.
- Reproductive toxicity: Does not contain any ingredients classified as toxic for reproduction.
- STOT single exposure: Mixture is classified as [...]. See section 2.
- STOT repeated exposure: Based on available data, the classification criteria are not met.
- Aspiration toxicity: Mixture is classified as Asp Tox. 1. See section 2.

Routes of exposure/ symptoms

- Eye contact: Will cause discomfort.
- Skin contact: Prolonged or repeated contact may cause irritation/dryness.
- Inhalation: Excessive exposure may cause irritation of the respiratory tract, headache, dizziness and nausea.
- Ingestion: Moderate toxicity. Main danger is of lung damage by aspiration.

SECTION 12: Ecological information

- 12.1. Toxicity** May affect aquatic organisms due to hydrocarbon content if released into water courses untreated.
- 12.2. Persistence and degradability** All organic ingredients are biodegradable when well diluted.
- 12.3. Bioaccumulative potential** Not expected to bioaccumulate
- 12.4. Mobility in soil** This product has no water solubility
- 12.5. Results of PBT and vPvB assessment** Contains no ingredients classified as PBT or vPvB.
- 12.6. Other adverse effects** No other adverse effects are anticipated.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Dispose of surplus product and packaging via a licenced chemical waste contractor.

SECTION 14: Transport information

- 14.1. UN number** 1993 **14.2. UN proper shipping name** Flammable Liquid, N.O.S.
- 14.3. Transport hazard class(es)** 3 **14.4. Packing group** 3
- 14.5. Environmental hazards** Toxic to aquatic life with long lasting effects
- 14.6. Special precautions for user** No specific precautions.
- 14.7. Transport in bulk according to Annex II of MARPOL 7 3/78 and the IBC Code** Not available for bulk transport.

SECTION 15: Regulatory information

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

Contents according to (EC) regulation No.648/2004 on detergents:

Aliphatic hydrocarbons >30%

15.2. Chemical safety assessment A chemical safety assessment has not been carried out.

SECTION 16: Other information

Hazard statements relating to ingredients (see section 3)

H226 Flammable liquid and vapour

H304 May be fatal if swallowed and enters airways

H336 May cause drowsiness or dizziness

H411 Toxic to aquatic life with long lasting effects

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This product should be stored, handled and used in accordance with good industrial practice and in conformity with legal regulations. The information in this data sheet is based on the present state of our knowledge and is intended to describe products from the point of view of safety requirements and thus should not be construed as guaranteeing specific properties. It is for users to satisfy themselves of the suitability of this product for their own applications.

