

# SAFETY DATA SHEET

RESINSEAL SOL HS

Page 1

Issued: 29/02/2008

Revision No: 1

## 1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING

**Product name:** RESINSEAL SOL HS

**CAS number:** 78-93-3

**EINECS number:** 201-159-0

**Index number:** 606-002-00-3

**Synonyms:** MEK

BUTANONE

ETHYL METHYL KETONE

**Company name:** Leading Solvent Supplies Ltd

Marston Business Park

Rudgate

Tockwith

York

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Tel: 01423 358058

Fax: 01423 358923

## 2. HAZARDS IDENTIFICATION

**Main hazards:** Highly flammable. Irritating to eyes. Repeated exposure may cause skin dryness or cracking.

Vapours may cause drowsiness and dizziness.

**Other hazards:** In use, may form flammable / explosive vapour-air mixture.

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

**Hazardous ingredients:** ETHYL METHYL KETONE >90%

EINECS: 201-159-0 CAS: 78-93-3

[F] R11; [Xi] R36; [-] R66; [-] R67

## 4. FIRST AID MEASURES (SYMPTOMS)

**Skin contact:** De-fatting, Mild irritation. There may be irritation and redness at the site of contact.

**Eye contact:** There may be irritation and redness. The eyes may water profusely.

**Ingestion:** There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur.

**Inhalation:** There may be irritation of the throat with a feeling of tightness in the chest. Exposure may cause coughing or wheezing.

## 4. FIRST AID MEASURES (ACTION)

**Skin contact:** Drench the skin with plenty of water. Remove contaminated clothing and wash before reuse. If large areas of the skin are affected or if irritation persists, seek medical advice.

**Eye contact:** Immediately flood the eye with plenty of water for at least 15 minutes, holding the eye open. Continue to rinse for at least 15 minutes and get medical attention.

[cont...]

**SAFETY DATA SHEET**

RESINSEAL SOL HS

**Ingestion:** Wash out mouth with water. If patient is conscious, give water to drink. If patient feels unwell, seek medical advice. DO NOT INDUCE VOMITING.

**Inhalation:** Remove from exposure, rest and keep warm. In severe cases, or if recovery is not rapid or complete, seek medical advice. If breathing stops or shows signs of failing, give artificial respiration.

**5. FIRE-FIGHTING MEASURES**

**Extinguishing media:** Alcohol resistant foam. Water spray. Carbon dioxide. Dry chemical powder. Use water spray to cool containers. Sand or earth may be used for small fires only.

**Exposure hazards:** Vapour may travel considerable distance to source of ignition and flash back. May explode in a fire. May develop highly toxic or corrosive fumes if heated. Vapour explosion and poison hazard indoors, outdoors and in sewers.

**Protection of fire-fighters:** Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

**6. ACCIDENTAL RELEASE MEASURES**

**Personal precautions:** Refer to section 8 of SDS for personal protection details. If outside do not approach from downwind. If outside keep bystanders upwind and away from danger point. Mark out the contaminated area with signs and prevent access to unauthorised personnel. Turn leaking containers leak-side up to prevent the escape of liquid. Eliminate all sources of ignition.

**Environmental precautions:** Do not discharge into drains or rivers. Contain the spillage using bunding.

**Clean-up procedures:** Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method. Do not use equipment in clean-up procedure which may produce sparks.

**7. HANDLING AND STORAGE**

**Handling requirements:** Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area. Do not handle in a confined space. Avoid the formation or spread of mists in the air. Smoking is forbidden. Use non-sparking tools.

**Storage conditions:** Store in cool, well ventilated area. Keep container tightly closed. Keep away from sources of ignition. Prevent the build up of electrostatic charge in the immediate area. Ensure lighting and electrical equipment are not a source of ignition.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION****Workplace exposure limits**

**WEL (8 hr TWA):** 600 mg/m<sup>3</sup>

**WEL (15 min STEL):** 899 mg/m<sup>3</sup>

**Engineering measures:** Ensure there is sufficient ventilation of the area. Ensure lighting and electrical equipment are not a source of ignition.

**Respiratory protection:** Self-contained breathing apparatus must be available in case of emergency.

**Hand protection:** Impermeable gloves. Butyl gloves.

**Eye protection:** Chemical Goggles. Eyewash bottle with clean water.

**Skin protection:** Wear suitable protective clothing and gloves. Always wash thoroughly after handling chemicals.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**State:** Liquid

**Colour:** Colourless

**Odour:** Pleasant

**Evaporation rate:** Moderate

**Oxidising:** Non-oxidising (by EC criteria)

**Solubility in water:** Soluble

**Also soluble in:** Most organic solvents.

**Boiling point/range°C:** 79-81

**Melting point/range°C:** -86

**Flammability limits %: lower:** 1.80

**upper:** 11.5

**Flash point°C:** -6

**Autoflammability°C:** 515

**Vapour pressure:** 9.99kPa@20C

**Relative density:** 0.812

## 10. STABILITY AND REACTIVITY

**Stability:** Stable under normal conditions. Stable at room temperature.

**Conditions to avoid:** Heat. Hot surfaces. Sources of ignition. Flames.

**Materials to avoid:** Strong oxidising agents. Strong acids.

**Haz. decomp. products:** In combustion emits toxic fumes.

## 11. TOXICOLOGICAL INFORMATION

**Routes of exposure:** Refer to section 4 of SDS for routes of exposure and corresponding symptoms.

## 12. ECOLOGICAL INFORMATION

**Mobility:** Readily absorbed into soil.

**Persistence and degradability:** Biodegradable.

**Bioaccumulative potential:** No bioaccumulation potential.

**Other adverse effects:** Negligible ecotoxicity.

## 13. DISPOSAL CONSIDERATIONS

**Disposal operations:** Via an authorised waste disposal contractor to a approved waste disposal site.

**Disposal of packaging:** As for substance. Used containers must not be cut up or punctured until completely purged of product residues.

**NB:** The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

**14. TRANSPORT INFORMATION****ADR / RID**

**UN no:** 1193 **ADR Class:** 3  
**Packing group:** II **Classification code:** F1  
**Shipping name:** ETHYL METHYL KETONE (METHYL ETHYL KETONE)  
**Labelling:** 3 **Hazard ID no:** 33

**IMDG / IMO**

**UN no:** 1193 **Class:** 3  
**Packing group:** II **EmS:** F-E,S-D  
**Marine pollutant:** NO  
**Labelling:** 3

**IATA / ICAO**

**UN no:** 1193 **Class:** 3  
**Packing group:** II  
**Packing instructions:** 305(P&CA); 307(CAO)  
**Labelling:** 3

**15. REGULATORY INFORMATION**

**Hazard symbols:** Highly flammable.  
Irritant.



**Risk phrases:** R11: Highly flammable.  
R36: Irritating to eyes.  
R66: Repeated exposure may cause skin dryness or cracking.  
R67: Vapours may cause drowsiness and dizziness.

**Safety phrases:** S9: Keep container in a well-ventilated place.  
S16: Keep away from sources of ignition - No smoking.  
S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

## SAFETY DATA SHEET

RESINSEAL SOL HS

S33: Take precautionary measures against static discharges.

S43: In case of fire, use dry chemical powder.

**Note:** The regulatory information given above only indicates the principal regulations specifically applicable to the product described in the safety data sheet. The user's attention is drawn to the possible existence of additional provisions which complete these regulations. Refer to all applicable national, international and local regulations or provisions.

### 16. OTHER INFORMATION

**Risk phrases used in s.3:** R11: Highly flammable.

R36: Irritating to eyes.

R66: Repeated exposure may cause skin dryness or cracking.

R67: Vapours may cause drowsiness and dizziness.

**Legal disclaimer:** The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.