

# **RENOTEX LTD**

## **SAFETY DATA SHEET**

### **RENO SEAL**

This safety data sheet has been supplied in accordance with the provisions of Article 31 of Regulation EC No 1907/2006 (the REACH regulation) and the information contained herein is displayed in the order prescribed in Annex II to that regulation, as amended 2010.

Its purpose is to facilitate the carrying out of a risk assessment. Employers are reminded of their duty to carry out such an assessment and subsequently to make available to those who are required to use this product all necessary personal protective equipment, to ensure that such equipment is used and to provide an appropriate working environment.

Date of Issue: 16<sup>th</sup> July 2019

Revision No: 02  
Replaces: Revision No. 0 dated 28<sup>th</sup> November 2015

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#### **Additions and amendments to this SDS.**

This SDS has been completely rewritten to take account of an amendment to the REACH regulation dated December 2010 (Regulation (EC) 453/2010) and subsequent revised guidance on the preparation of SDSs issued by the ECHA. All sections contain information which is either additional to or significantly different from that contained in the previous version.

## **1. IDENTIFICATION OF THE MIXTURE AND THE COMPANY.**

### **1.1 Product Identifiers.**

Trade Name: Reno Seal.

### **1.2 Identified uses and uses advised against.**

1.2.1 Identified Uses: In specialist surface coating applications.

1.2.2 Uses advised against: None of the substances contained in this product is subject to authorisation or restriction. The supplier does however advise against uses other than that identified above.

### **1.3 Details of supplier/manufacturer.**

Supplier:	Renotex Ltd., Pollard Street, Lofthouse Gate, Wakefield, WF3 3HG.	Phone:	01924-820003
		e-mail:	<a href="mailto:sales@renotex.co.uk">sales@renotex.co.uk</a>

1.4 Emergency telephone number: 01924-820003 Between 0800 and 1700 hrs Monday to Friday

## **2. HAZARDS IDENTIFICATION.**

### **2.1 Classification in accordance with Regulation (EC) 1272/2008 (CLP).**

Flam. Liquid 3: H226.

Acute Tox 4: H332

Acute Tox 4: H312

STOT SE3: H336.

Asp Tox 1: H304

Aquatic Chronic 2: H411.

Supplemental Hazard Statement: EUH066

#### **Potential health effects.**

Inhalation of vapours may cause drowsiness and dizziness.

Ingestion may cause upset stomach followed by nausea, vomiting and diarrhoea.

Prolonged or repeated skin contact may cause irritation, with redness and pain, and an allergic reaction.

Eye contact may cause mild irritation.

**Aggravation of pre-existing conditions:** Persons with pre-existing lung disease or skin conditions such as eczema may be more susceptible to the effects of exposure to this product.

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### 2. HAZARDS IDENTIFICATION (continued).

2.2 Label elements in accordance with Regulation (EC) 1272/2008 (CLP). (See note 2 in Section 16).

Contains: Solvent Naphtha (Petroleum) Light Aromatic  
n-Butyl Methacrylate

Danger.

H226: Flammable liquid and vapour.

H332: Harmful if inhaled.

H312: Harmful in contact with skin.

H317: May cause an allergic skin reaction.

H336: May cause drowsiness or dizziness.

H304: May be fatal if swallowed and enters airways.

H411: Toxic to aquatic life with long-lasting effects.

EUH066: Repeated exposure may cause skin dryness and cracking.

P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P280: Wear protective gloves, clothing, eye protection and face protection.

P261: Avoid breathing vapour.

P301+P310+ P331: If swallowed immediately call a doctor. Do NOT induce vomiting.

P304 + P340: If inhaled remove person to fresh air and keep comfortable for breathing.

P302 + P352: If on the skin wash with plenty of water.

P501: Dispose of contents/container in accordance with Hazardous Waste Regulations (SI 2005:894).



### 2.3 Other Hazards.

Possibility of fire or explosion in the event of exposure to static electricity.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS.

Substance Name	CAS Number	EINECS Number	REACH Registration Number
Solvent Naphtha (Petroleum) Light Aromatic*	64742-95-6	265-199-0	Will be inserted here
			on completion of the
			registration process.

Substance Name	Proportion %	Classification (EC) 1272/2008(CLP)	Classification 67/548/45/EC
Solvent Naphtha (Petroleum) Light Aromatic	65-72	Flam Liq. 3 H226 STOT SE3 H335/H336 EUH066 Asp Tox 1 H304	R10 Xn R37, R65, R66, R67 N R51/53

\* This substance may contain trace amounts of benzene but never more than 0.1% by weight.

The texts of hazard statements referred to above but not shown in Section 2.2 and of risk phrases referred to above are shown in Section 16.

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#### **4. FIRST AID MEASURES.**

##### **4.1 Description of first aid measures.**

<b>General Information:</b>	No action shall be taken which involves any personal risk or without suitable training. If it is suspected that vapour is still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. In all cases of doubt or where symptoms persist seek medical attention. Never give anything by mouth to an unconscious person.
<b>Inhalation:</b>	Inhalation of vapours may cause drowsiness and dizziness. Move the affected person to fresh air. Allow to rest in a position comfortable for breathing and keep warm. If not breathing, if breathing is irregular or if respiratory arrest occurs CALL A DOCTOR and provide artificial respiration or oxygen until arrival of the doctor. If unconscious but breathing regularly, loosen all tight clothing such as collar, tie, belt or waistband. Put into the recovery position.
<b>Ingestion:</b>	Ingestion may cause upset stomach followed by nausea, vomiting and diarrhoea. DO NOT INDUCE VOMITING. OBTAIN MEDICAL ATTENTION IMMEDIATELY. Wash out the mouth with water. Remove dentures if any. Move the affected person to fresh air. Allow to rest in a position comfortable for breathing and keep warm. If material has been swallowed and the person is conscious, give small quantities of water to drink. Stop doing so if the exposed person feels sick as vomiting may be dangerous. In the event of spontaneous vomiting ensure that vomitus can freely drain in order to reduce risk of suffocation. Wash out mouth with water. Allow to rest and keep warm.
<b>Skin Contact:</b>	If prolonged or repeated, skin contact may cause irritation, with redness and pain, and an allergic reaction. Immediately flush the affected area with water. Wash grossly contaminated clothing and footwear with water before removing. Wash affected area of skin with soap and water. DO NOT WASH WITH SOLVENTS OR THINNERS. Launder/clean clothing and footwear thoroughly before re-use.
<b>Eye Contact:</b>	Eye contact may cause mild irritation. Quickly but gently blot or wipe chemical from the face. OBTAIN MEDICAL ATTENTION IMMEDIATELY. Check for and remove any contact lenses. Immediately flush eye(s) with lukewarm gently flowing water for 5 minutes while holding the eyelid(s) open.

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

<b>Acute:</b>	Prolonged or repeated exposure to vapours or mist may cause drowsiness and dizziness. Ingestion may cause upset stomach followed by nausea, vomiting and diarrhoea. Prolonged or repeated contact with skin may cause irritation and an allergic reaction in some individuals. Not expected to cause significant immediate hazard if spilled.
<b>Delayed effects:</b>	None known.

##### **4.3 Indication of any immediate attention and special treatment needed.**

**Note to physician:** Treat symptomatically.

#### **5. FIRE FIGHTING MEASURES.**

Extinguishing media:	Use water spray, carbon dioxide, alcohol-resistant foam or dry chemical powder. <b>DO NOT USE WATER JETS.</b>
Special exposure hazards:	Dense black smoke which may contain carbon dioxide and carbon monoxide, will cause a health and suffocation hazard.
Special protective equipment for fire-fighters:	Evacuate area and fight fire from a distance. Use self-contained breathing apparatus if entry to the affected space is necessary.

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#### **6. ACCIDENTAL RELEASE/SPILLAGE MEASURES**

##### **6.1 Personal Precautions Following Spill.**

###### **6.1.1 Non-emergency personnel:**

Wear recommended personal protective equipment and avoid all forms of contact.

###### **6.1.2 Emergency responders:**

Evacuate all non-essential personnel from the vicinity of the spill. Remove all sources of ignition. If indoors ventilate the affected area. Mark out the affected area with signs and prevent unauthorised personnel from approaching the scene. If safe to do so turn leaking packages leak-side up in order to minimise leakage. Do not touch the spilled material.

##### **6.2 Precautions to Protect Environment:**

Use non-combustible absorbent material such as sand or vermiculite type clay as a dam to prevent spilled material entering drains and watercourses. If spilled material enters drains or watercourses inform the emergency services and the local water authority.

##### **6.3 Spill Clean-up Methods.**

###### **6.3.1 Containment:**

Contain the spillage by use of the absorbent material referred to in Section 6.2.

###### **6.3.2 Clean up:**

Using the same material that was used to contain the spillage absorb all of the spilled material. Transfer the contaminated absorbent material to clearly marked, sealed containers. Retain for disposal as recommended in Section 13.

Scrub the affected area with detergent and water. If possible, collect wash water for disposal as recommended in Section 13. If not possible to collect wash water, flush washings to drain with copious amounts of water.

###### **6.3.3 Any other information:**

None

##### **6.4 Reference to other sections:**

See Section 8 for information on selecting personal protective equipment and Section 13 for details of recommended disposal methods.

#### **7. HANDLING AND STORAGE.**

##### **7.1 Precautions for safe handling.**

###### **7.1.1 Safe handling techniques:**

Discharge from packages can generate static electricity.  
**DO NOT EAT, DRINK OR SMOKE** while using this product. Handle only in a manner that minimises the risk of damage to packages and of spillage. Use with adequate ventilation. Avoid generating vapours. Do not inhale vapours. Avoid contact with eyes, skin and clothing.

###### **7.1.2 Occupational Hygiene:**

Wash hands thoroughly after working with this substance. Contaminated clothing must be thoroughly laundered before re-use.

##### **7.2 Safe Storage:**

Store only in sealed, clearly marked packages away from strong oxidising agents in an area which is dry, well ventilated and not subject to extremes of temperature.

##### **7.3 Specific end-uses:**

None requiring special note.

#### **8. EXPOSURE CONTROLS AND PERSONAL PROTECTION.**

8.1 Control parameters.		
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Substance Name.	CAS No.	WEL mg/m <sup>3</sup>		Notes
		8 hour TWA	15 min STEL	
Solvent Naphtha (Petroleum) Light Aromatic	64742-95-6	150		

The other substances listed in Section 3 have not been assigned workplace exposure limits.  
For details of a means of measuring airborne vapour concentrations go to [www.draeger.com](http://www.draeger.com)

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#### 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION (continued).

##### 8.2 Exposure controls.

##### 8.2.1 Appropriate engineering controls:

Good general ventilation ought to be adequate but may need to be supplemented by local exhaust ventilation if use within a confined space is necessary. NOTE: Confined spaces can exist out of doors, e.g. narrow passageways or areas beneath external stairways.

##### 8.2.2 Personal protection.

##### 8.2.2.1 Eye/face protection:

Suitable chemical-resistant safety goggles should be worn. Consult a supplier of such equipment to identify the most appropriate type. Ensure that an eye-bath is available at the points of use.

##### 8.2.2.2 Hand protection:

Chemical resistant gloves of type EN 374 should be worn .  
Always abide by the instructions and information provided by the glove supplier on use, storage, maintenance and replacement.

##### Body protection:

Use impervious overalls and boots. Consult a supplier of such equipment to identify most appropriate type. Always abide by the instructions and information provided by the supplier on use, storage, maintenance and replacement.

##### 8.2.2.3 Respiratory protection:

If engineering controls or the prevailing level of natural ventilation are not capable of maintaining airborne concentrations below the level specified in 8.1 a full-face chemical cartridge respirator of type FFP3 (EN 149:2001) or equivalent must be used. Consult a supplier of such equipment to identify most appropriate type. Always abide by the instructions and information provided by the supplier on use, storage, maintenance and replacement.

##### 8.2.3 Environmental exposure controls:

Store only in sealed packages and take all steps necessary to minimise the risk of this product entering drains or other water courses.

#### 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Colourless viscous liquid.
Odour:	Low odour
Odour threshold:	No data available.
pH:	Cannot be determined due to insolubility of the product in water.
Melting point:	No data available. The product is a mixture of liquids.
Initial Boiling point:	190°C.
Flash point:	43°C.
Evaporation rate:	0.77 .
Flammability:	See entry for flash point.
Lower/Upper flammability limits:	No data available.
Vapour pressure:	No data available.
Vapour density:	No data available.
Relative density:	0.945 at 20°C.
Solubilities:	Insoluble in water. Miscible with many organic solvents.
Partition coefficient: n-octanol/water:	Cannot be determined due to insolubility of the product in water.
Auto ignition temperature:	No data available.
Decomposition temperature:	No data available.
Viscosity:	No data available.
Explosive properties:	This product does not have explosive properties but vapour from this product can form explosive mixtures with air.

<b>Oxidising properties:</b>	<b>This product does not have oxidising properties.</b>
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## **10. STABILITY AND REACTIVITY.**

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### **10.1 Reactivity**

**This product does not react easily with other chemicals and is not expected to do so in anticipated conditions of storage and use. It will however react with strong oxidising agents.**

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### **10. STABILITY AND REACTIVITY (continued).**

10.2 Chemical Stability:	This product is stable under intended conditions of storage and use.
10.3 Possibility of Hazardous Reactions:	The possibility of hazardous reactions is extremely low.
10.4 Conditions to avoid:	All sources of ignition and electro-static discharge
10.5 Incompatible Materials:	Strong oxidising agents
10.6 Hazardous decomposition products:	In the event of fire or exposure to very high temperatures carbon dioxide and carbon monoxide may be released. This has the potential to cause a health and/or suffocation hazard.

### **11. TOXICOLOGICAL INFORMATION.**

#### **11.1 Information on toxicological effects.**

a) Acute Toxicity Data:	No product-specific data. However calculation by the conventional method from data relating to the component substances suggests that the LD <sub>50</sub> Oral Rat is >2000 mg/kg.
b) Skin corrosion/irritation:	Prolonged or repeated exposure of skin tissue to this product can lead to mild irritation and possibly to an allergic reaction.
c) Serious eye damage/irritation:	Exposure of the eyes and related tissue to this product can lead to mild irritation.
d) Respiratory or skin sensitisation:	This product does not contain any substances that meet the criteria laid down in EU legislation for classification as a respiratory or skin sensitiser.
e) Germ cell mutagenicity:	This product does not contain any substances that meet the criteria laid down in EU legislation for classification as mutagenic.
f) Carcinogenicity:	This product does not contain any substances that meet the criteria laid down in EU legislation for classification as carcinogenic.
g) Reproductive toxicity:	This product does not contain any substances that meet the criteria laid down in EU legislation for classification as toxic to reproduction.
h) STOT single exposure:	Depression of the central nervous system with associated drowsiness or dizziness can occur as a result of single exposure.
i) STOT repeated exposure:	This product does not contain any substances that are known to target any specific organ on repeated exposure.
j) Aspiration hazard:	This product does not contain any substances that meets the criteria laid down in EU legislation for classification as an aspiration hazard.

### **12. ECOLOGICAL INFORMATION.**

12.1 Toxicity	No product-specific data. However extrapolation from data relating to constituent substances suggests that this product is not dangerous for the natural environment.
12.2 Persistence and degradability	This product is not expected to biodegrade rapidly so will persist for some time but is not considered to be very persistent.
12.3 Bioaccumulative potential	This product is not expected to bio-accumulate.
12.4 Mobility in soil	This product will largely evaporate but a significant proportion will not do so. The non-volatile proportion is insoluble in water and is expected to be adsorbed onto soils and sediments. The potential for mobility is considered to be low.
12.5 Results of PBT assessment	Assessment not carried out but this product is believed not to be a PBT nor a vPvB.
12.6 Other adverse effects	None known.

### **13. DISPOSAL CONSIDERATIONS.**

13.1 Waste Treatment Method:	Waste from this product and empty packages which contain residues of this product must be disposed of in accordance with the Hazardous Waste Regulations (SI 2005:894) or other equivalent national legislation.
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### **14. TRANSPORT INFORMATION.**

The following information applies to transport of this product by road, rail, inland waterway, sea and air.

14.1 UN Number: 1263  
14.2 Proper Shipping Name: Paint sealer  
14.3 Class: 3  
14.4 Packing Group: III  
Label(s) for transport:



The following other relevant information is specific to the mode of transport shown.

#### **Road (ADR)**

Tunnel Restriction Code: (D/E)  
ADR Classification Code: F1  
Transport Category: 3  
Limited Quantity Value: 5 litres

#### **Sea (IMDG)**

Ems Code: F-E, S-E  
Limited Quantity Value: 5 litre

#### **Air (IATA)**

Limited Quantity Value: Dependant on type material of construction of receptacle. See Packing Instruction Y309.  
14.5 Environmental Data: This product is hazardous to the freshwater environment and is a marine pollutant It must be described on transport documents and multi-modal DGNs as an Environmentally Hazardous Substance or a Marine pollutant as appropriate.  
14.6 Special precautions: None.  
14.7 Transport in bulk according to MARPOL 73/78 and the IBC Code is not relevant.

### **15. REGULATORY INFORMATION.**

15.1 Safety, health and environmental legislation specific for this product.

This product is subject to the provisions of Regulation (EC) 1272/2008 of the European Parliament and the Council on classification, labelling and packaging of substances and mixtures, (CLP).

It is also subject to the provisions of individual Member State national legislation which invokes any or all of the following:

- Directive 1999/45/EC of the European Parliament and the Council concerning the approximation of the laws, regulations and administrative provisions of the Member States relating to classification, packaging and labelling of dangerous preparations, (The Dangerous Preparations Directive).
- Regulation (EC) 1907/2006 of the European Parliament and the Council concerning the registration, evaluation, authorisation and restriction of chemicals (REACH).
- Directive 91/689 (EEC) of the European Parliament and the Council on the controlled management of hazardous waste, (The Hazardous Wastes Directive).



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### **15. REGULATORY INFORMATION (continued).**

It is also subject to the provisions of individual Member State national legislation which invokes any or all of the following:

- d) Directive 98/24 (EC) of the European Parliament and the Council on the protection of safety and health of workers from the risks related to chemical agents, (The Chemical Agents Directive).
- e) The current edition of the Directive of the European Parliament and the Council on the inland transport of dangerous goods, (The ADR Directive).
- f) The current edition of the IMDG Code.
- g) The current edition of the IATA Dangerous Goods Regulations.

#### **15.2 Chemical safety assessment.**

No chemical safety assessment has been carried out.

### **16. OTHER INFORMATION.**

#### **1. Additions and amendments to this SDS.**

This SDS has been completely rewritten to take account of an amendment to the REACH regulation dated December 2010 and subsequent revised guidance on the preparation of SDSs issued by the ECHA. All sections contain information which is either additional to or significantly different from that contained in the previous version.

#### **2. Label Elements.**

Hazard statement and precautionary statement numbers are shown in Section 2.2 for identification purposes only. Under CLP inclusion of these numbers in the detail shown on labels is optional.

#### **3. Classification and labelling in accordance with Directive 1999/45/EC (CHIP).**

##### **Classification.**

Flammable; R10.

Harmful: R20/21

Dangerous for the environment; N R51-53.

R66

R67

##### **Labelling.**

Contains: Distillate, (Petroleum), Hydrotreated, Light.

R10 Flammable.

R20/21 Harmful by inhalation and in contact with the skin.

R51-53 Toxic to aquatic organisms and may cause long-term adverse effects in the aquatic environment.

R66 Repeated exposure may cause skin dryness or cracking.

R67 Vapours may cause drowsiness and dizziness.



#### **4. Evaluation Method of Information Used in Classification.**

Bridging principle, "substantially similar mixtures" and calculation.

#### **5. Abbreviations and acronyms.**

ADR: European Agreement Concerning the International Carriage of Dangerous Goods by Road

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

EC<sub>50</sub>: Half maximal effective concentration.

EINECS: European Index of Existing Chemical Substances

IATA: Regulations Concerning the Transport of Dangerous Goods by Air.

IMDG: Regulations Concerning the Transport of Dangerous Goods by Sea.

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### **16. OTHER INFORMATION (continued).**

#### **5. Abbreviations and acronyms (continued).**

LD<sub>50</sub>: Lethal dose for 50% of test species.

PBT: Persistent, bioaccumulative, ecotoxic

STOT: Specific target organ toxicity.

vPvB: Very persistent and very bioaccumulative.

WEL: Workplace Exposure Limit.

#### **6. Sources of key data.**

The Chemical (Hazard Information for Packaging and Supply) Regulations and associated documents.

The Hazardous Waste (England and Wales) Regulations.

HSE Guidance Note EH40.

The European Agreement Concerning the Carriage of Dangerous Goods by Road (ADR).

The International Maritime Dangerous Goods Code.

The International Air Transport Association Dangerous Goods Regulations.

#### **7. Text of Hazard Statements and Risk Phrases referred to, but not shown, elsewhere in this SDS.**

##### **Hazard Statements.**

H225 Highly flammable liquid and vapour.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

##### **Risk Phrases.**

R10 Flammable

R11 Highly flammable

R36 Irritating to eyes.

R37 Irritating to respiratory system.

R38 Irritating to skin

R43 May cause sensitisation by skin contact.

R51/53 Toxic to aquatic organisms/ May cause long-term adverse effects in the aquatic environment.

R65 Harmful: may cause lung damage if swallowed.

R66 Repeated exposure may cause skin dryness or cracking.

R67 Vapours may cause drowsiness and dizziness.

#### **8. Training advice.**

All personnel who are required to work with this substance must receive training covering the appropriate use and handling techniques and the use of the recommended personal protective equipment.

#### **9. Further information.**

##### **9.1. Recommended restrictions on use (i.e. non-statutory recommendations by supplier).**

This substance should not be used for any purpose other than those mentioned in Section 1.2. As specific conditions of use of this substance are beyond the control of the supplier, the user is responsible for adapting the information contained in this SDS to local regulations and circumstances.

##### **9.2 This product does not contain any substance which:**

is a persistent organic pollutant, as defined in EC regulation No. 850/2004,

is an ozone depleter, as defined in EC regulation No. 2037/2000,

is subject to the provisions of Regulation (EC) No. 689/2008 concerning the import and export of dangerous chemicals, or is a named Seveso substance nor is in a Seveso category.

### **DISCLAIMER**

The information contained in this SDS relates only to the material specified and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the Company's

**knowledge and belief, accurate and reliable as of the date of issue. However, no warranty, guarantee or representation is made as to its accuracy, reliability or completeness. It is the responsibility of the user to satisfy himself as to the suitability of such information for his own particular use.**





