



## SAFETY DATA SHEET

RBS HARDSEAL

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Compilation date: 14/11/2016

Revision date: 26/06/2020

Revision No: 3

### Section 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

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

**Product name:** RBS HARDSEAL

**Use of substance / mixture:** PC15: Non-metal-surface treatment products.

#### 1.3. Details of the supplier of the safety data sheet

**Company name:** Resapol Ltd  
Unit D4  
Moss Industrial Estate  
Leigh  
WN7 3PT  
United Kingdom

**Tel:** +44 (0)1942 609 001

**Fax:** +44 (0)1942 674 799

**Email:** [sales@resapol.com](mailto:sales@resapol.com)

#### 1.4. Emergency telephone number

**Emergency tel:** +44 (0)1942 609 002

(office hours only)

### Section 2: Hazards identification

#### 2.1. Classification of the substance or mixture

**Classification under CLP:** Eye Irrit. 2: H319; STOT RE 2: H373; Aquatic Chronic 2: H411; Carc. 2: H351; Flam. Liq. 3: H226; Repr. 2: H361; Skin Irrit. 2: H315; STOT SE 3: H335

**Most important adverse effects:** Flammable liquid and vapour. Causes skin irritation. Causes serious eye irritation. May cause respiratory irritation. Suspected of causing cancer. Suspected of damaging fertility or the unborn child. May cause damage to organs through prolonged or repeated exposure (.). Toxic to aquatic life with long lasting effects.

#### 2.2. Label elements

##### Label elements:

**Hazard statements:** H226: Flammable liquid and vapour.

H315: Causes skin irritation.

H319: Causes serious eye irritation.

H335: May cause respiratory irritation.

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H351: Suspected of causing cancer.

H361: Suspected of damaging fertility or the unborn child.

H373: May cause damage to organs through prolonged or repeated exposure (,).

H411: Toxic to aquatic life with long lasting effects.

**Hazard pictograms:** GHS02: Flame

GHS07: Exclamation mark

GHS08: Health hazard

GHS09: Environmental



**Signal words:** Danger

**Precautionary statements:** P202: Do not handle until all safety precautions have been read and understood.

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

P233: Keep container tightly closed.

P240: Ground and bond container and receiving equipment.

P241: Use explosion-proof electrical/ventilating/lighting equipment.

P242: Use non-sparking tools.

P243: Take action to prevent static discharges.

P260: Do not breathe dust/fume/gas/mist/vapours/spray.

P261: Avoid breathing mist/vapours.

P264: Wash hands, forearms and face thoroughly after handling.

P271: Use only outdoors or in a well-ventilated area.

P273: Avoid release to the environment.

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

P301+P310: IF SWALLOWED: Immediately call a POISON CENTER or doctor.

P302+P352: IF ON SKIN: Wash with plenty of water.

P303: IF ON SKIN (or hair):

P304+P340: IF INHALED: Remove person to fresh air and keep 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.

P331: Do NOT induce vomiting.

P501: Dispose of contents/container to a registered waste disposal site.

## 2.3. Other hazards

**PBT:** This product is not identified as a PBT/vPvB substance.

[cont...]

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## Section 3: Composition/information on ingredients

### 3.2. Mixtures

#### Hazardous ingredients:

XYLENE MIXTURE - REACH registered number(s): 01-2119488216-32-XXXX

EINECS	CAS	PBT / WEL	CLP Classification	Percent
215-535-7	1330-20-7	-	Flam. Liq. 3: H226; Eye Irrit. 2: H319; Skin Irrit. 2: H315; STOT RE 2: H373; Acute Tox. 4: H312; Acute Tox. 4: H332; STOT SE 3: H335; Asp. Tox. 1: H304; Aquatic Chronic 3: H412	50-70%

#### ACRYLIC POLYMER

-	-	-	Flam. Liq. 3: H226; Carc. 2: H351; Repr. 2: H361; Aquatic Chronic 2: H411; Skin Irrit. 2: H315; Eye Irrit. 2: H319; STOT SE 3: H335; Asp. Tox. 1: H304; Acute Tox. 4: H332; STOT RE 2: H373	10-30%
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**Contains:** XYLENE, ETHYLBENZENE, TOLUENE

## Section 4: First aid measures

### 4.1. Description of first aid measures

**Skin contact:** Remove all contaminated clothes and footwear immediately unless stuck to skin. Wash immediately with plenty of soap and water. In case of skin reactions, consult a doctor/physician.

**Eye contact:** Remove contact lenses, if present, and easy to do. Bathe the eye with running water for 15 minutes. Seek medical attention if irritation persists.

**Ingestion:** Do not induce vomiting. Wash out mouth with water. Obtain emergency medical attention.

**Inhalation:** Remove casualty from exposure ensuring one's own safety whilst doing so. Consult a doctor.

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

**Skin contact:** There may be mild irritation at the site of contact.

**Eye contact:** There may be irritation and redness.

**Ingestion:** May be fatal if swallowed and enters airways.

**Inhalation:** May cause damage to organs through prolonged or repeated exposure if inhaled. Vapours may cause drowsiness and dizziness.

**Delayed / immediate effects:** Immediate effects can be expected after short-term exposure.

[cont...]

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

**Immediate / special treatment:** Treat symptomatically.

## Section 5: Fire-fighting measures

### 5.1. Extinguishing media

### 5.2. Special hazards arising from the substance or mixture

**Extinguishing media:** Alcohol resistant foam. Water spray. Carbon dioxide. Dry chemical powder.

**Exposure hazards:** Flammable. In combustion emits toxic fumes. Forms explosive air-vapour mixture.

### 5.3. Advice for fire-fighters

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

## Section 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

**Personal precautions:** Refer to section 8 of SDS for personal protection details. Notify the police and fire brigade immediately. Eliminate all sources of ignition. Turn leaking containers leak-side up to prevent the escape of liquid.

### 6.2. Environmental precautions

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

### 6.3. Methods and material for containment and cleaning up

**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.

### 6.4. Reference to other sections

**Reference to other sections:** Refer to section 8 of SDS.

## Section 7: Handling and storage

### 7.1. Precautions for safe handling

**Handling requirements:** Smoking is forbidden. Use non-sparking tools. Ensure there is sufficient ventilation of the area. Avoid the formation or spread of mists in the air.

### 7.2. Conditions for safe storage, including any incompatibilities

**Storage conditions:** Store in a 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.

**Suitable packaging:** Must only be kept in original packaging.

[cont...]

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## 7.3. Specific end use(s)

**Specific end use(s):** PC15: Non-metal-surface treatment products.

## Section 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Workplace exposure limits:

#### Respirable dust

State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
UK	100mg/m <sup>3</sup>	-	-	-

#### Hazardous ingredients:

#### XYLENE MIXTURE

#### Workplace exposure limits:

#### Respirable dust

State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
UK	220 mg/m <sup>3</sup>	441 mg/m <sup>3</sup>	-	-

### DNEL/PNEC Values

#### RBS-HARDSEAL

Type	Exposure	Value	Population	Effect
DNEL	Dermal	25 mg/kg bw/day	Workers	Systemic
DNEL	Dermal	11mg/kg bw/day	Consumers	Systemic
DNEL	Inhalation	150 mg/m <sup>3</sup>	Workers	Systemic
DNEL	Inhalation	32mg/m <sup>3</sup>	Consumers	Systemic
DNEL	Oral	11mg/kg	Consumers	Systemic

### 8.2. Exposure controls

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

**Respiratory protection:** Respiratory protection not required.

**Hand protection:** Protective gloves.

**Eye protection:** Safety glasses. Ensure eye bath is to hand.

**Skin protection:** Protective clothing.

**Environmental:** Storage should be placed inside a fully bunded area of sufficient size to contain the volume plus 10%. Prevent from entering in public sewers or the immediate environment.  
Ensure emissions from ventilation or equipment comply with environmental protection legislation.

## Section 9: Physical and chemical properties

[cont...]

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## 9.1. Information on basic physical and chemical properties

**State:** Liquid

**Colour:** Colourless

**Odour:** Aromatic

**Evaporation rate:** Moderate

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

**Solubility in water:** Insoluble

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

**Viscosity:** Non-viscous

**Boiling point/range°C:** 138

**Melting point/range°C:** Not applicable.

**Flammability limits %: lower:** 0.7

**upper:** 7.0

**Flash point°C:** 38

**Part.coeff. n-octanol/water:** No data available.

**Autoflammability°C:** >400

**Vapour pressure:** <1kPa(7.5mmHg)20C

**Relative density:** 0.911 @40C

**pH:** Not applicable.

**VOC g/l:** No data available.

## 9.2. Other information

## Section 10: Stability and reactivity

### 10.1. Reactivity

**Other information:** No data available.

**Reactivity:** Stable under recommended transport or storage conditions.

### 10.2. Chemical stability

### 10.3. Possibility of hazardous reactions

**Chemical stability:** Stable under normal conditions. Stable at room temperature.

**Hazardous reactions:** Hazardous reactions will not occur under normal transport or storage conditions.

Decomposition may occur on exposure to conditions or materials listed below.

### 10.4. Conditions to avoid

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

### 10.5. Incompatible materials

### 10.6. Hazardous decomposition products

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

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

## Section 11: Toxicological information

### 11.1. Information on toxicological effects

[cont...]

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## Toxicity values:

Route	Species	Test	Value	Units
VAPOURS	RAT	4H LC50	6193	mg/l
DERMAL	RBT	LD50	>3100	mg/kg
ORAL	RAT	LD50	3492	mg/kg

## Hazardous ingredients:

### XYLENE MIXTURE

DERMAL	RBT	LD50	12126	mg/kg
ORAL	RAT	LD50	3523	mg/kg
VAPOURS	RAT	4H LC50	27124	mg/l

## Relevant hazards for product:

Hazard	Route	Basis
Skin corrosion/irritation	DRM	Hazardous: calculated
Serious eye damage/irritation	OPT	Hazardous: calculated
Carcinogenicity	--	Hazardous: calculated
Reproductive toxicity	--	Hazardous: calculated
STOT-single exposure	INH	Hazardous: calculated
STOT-repeated exposure	-	Hazardous: calculated

## Symptoms / routes of exposure

**Skin contact:** There may be mild irritation at the site of contact.

**Eye contact:** There may be irritation and redness.

**Ingestion:** May be fatal if swallowed and enters airways.

**Inhalation:** May cause damage to organs through prolonged or repeated exposure if inhaled.

Vapours may cause drowsiness and dizziness.

**Delayed / immediate effects:** Immediate effects can be expected after short-term exposure.

## Section 12: Ecological information

### 12.1. Toxicity

#### Ecotoxicity values:

Species	Test	Value	Units
Pseudokirchneriella subcapitata	72H ErL50	2.9	mg/l
Scenedesmus Subspicatus	72H NOELR	1	mg/l
RAINBOW TROUT (Oncorhynchus mykiss)	96H LL50	9.2	mg/l

[cont...]

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Daphnia magna	48H EL50	3.2	mg/l
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## Hazardous ingredients:

### XYLENE MIXTURE

Ceriodaphnia dubia	48H EC50	>3.4	mg/l
Daphnia magna	48H EC50	3.82	mg/l
GREEN ALGA (Selenastrum capricornutum)	EC50	4.36	mg/l
RAINBOW TROUT (Oncorhynchus mykiss)	96H LC50	2.6	mg/l

### ACRYLIC POLYMER

Daphnia magna	48H EC50	3.82	mg/l
FISH	96H LC50	5.5	mg/l
RAINBOW TROUT (Oncorhynchus mykiss)	96H LC50	2.6	mg/l

## 12.2. Persistence and degradability

**Persistence and degradability:** Not biodegradable.

## 12.3. Bioaccumulative potential

## 12.4. Mobility in soil

**Bioaccumulative potential:** No bioaccumulation potential.

**Mobility:** Readily absorbed into soil.

## 12.5. Results of PBT and vPvB assessment

## 12.6. Other adverse effects

**PBT identification:** This product is not identified as a PBT/vPvB substance.

**Other adverse effects:** Harmful to aquatic organisms.

## Section 13: Disposal considerations

### 13.1. Waste treatment methods

**Disposal operations:** Transfer to a suitable container and arrange for collection by specialised disposal company.

**Disposal of packaging:** Arrange for collection by specialised disposal company.

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

## Section 14: Transport information

### 14.1. UN number

**UN number:** UN1866

[cont...]



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## 14.2. UN proper shipping name

Shipping name: RESIN SOLUTION

## 14.3. Transport hazard class(es)

## 14.4. Packing group

Transport class: 3

Packing group: III

## 14.5. Environmental hazards

## 14.6. Special precautions for user

Environmentally hazardous: Yes

Marine pollutant: No

Special precautions: No special precautions.

Tunnel code: D/E

Transport category: 1

## Section 15: Regulatory information

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

### 15.2. Chemical Safety Assessment

Specific regulations: Not applicable.

**Chemical safety assessment:** A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

## Section 16: Other information

### Other information

**Other information:** according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

**Phrases used in s.2 and s.3:** H226: Flammable liquid and vapour.

H304: May be fatal if swallowed and enters airways.

H312: Harmful in contact with skin.

H315: Causes skin irritation.

H319: Causes serious eye irritation.

H332: Harmful if inhaled.

H335: May cause respiratory irritation.

H351: Suspected of causing cancer.

H361: Suspected of damaging fertility or the unborn child.

H373: May cause damage to organs (or state all organs affected, if known) through prolonged or repeated exposure (state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard.).

H373: May cause damage to organs through prolonged or repeated exposure (.).

[cont...]

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H411: Toxic to aquatic life with long lasting effects.

H412: Harmful to aquatic life with long lasting effects.

**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.