

Safety data sheet according to 1907/2006/EC, Article 31

Revision: PJRRBSC0524



Printing date 22.08.2023

Vers.No.: 4 (replaces version 3)

SECTION 1: Identification of the substance/mixture and of the company/ undertaking

- **1.1 Product identifier**
- **Trade name: RapidRoof Scratch Coat**
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
Unsuitable for home DIY applications.
- **Application of the substance / the preparation:** Reaction resin
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
LRS
Prees Green
Shropshire
SY13 2BN
Tel.:01948 841 877
e-mail: info@lrs-systems.co.uk
- **Further information obtainable from:** Environmental Department
- **1.4 Emergency telephone number:**
Emergency CONTACT (24-Hour-Number): 07983631893

SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**
Flam. Liq. 2 H225 Highly flammable liquid and vapour.
Skin Irrit. 2 H315 Causes skin irritation.
Skin Sens. 1 H317 May cause an allergic skin reaction.
STOT SE 3 H335 May cause respiratory irritation.
- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008**
The product is classified and labelled according to the GB CLP regulation.
- **Hazard pictograms**

GHS02 GHS07
- **Signal word** Danger
- **Hazard-determining components of labelling:**
methyl methacrylate
2-ethylhexyl acrylate
Triethylene glycol dimethacrylate
N-Hydroxyethyl-N-methyl-p-toluidine

(Contd. on page 2)



Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 22.08.2023

Vers.No.: 4 (replaces version 3)

Revision: PJRRBSC0524

Trade name: RapidRoof Wear Coat

(Contd. of page 1)

Hazard statements

- H225 Highly flammable liquid and vapour.
- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H335 May cause respiratory irritation.

Precautionary statements

- P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
- P280 Wear protective gloves/protective clothing/eye protection/face protection.
- P370+P378 In case of fire: Use CO₂, powder or water spray to extinguish.
- P403+P235 Store in a well-ventilated place. Keep cool.
- P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

2.3 Other hazards**Results of PBT and vPvB assessment**

- PBT:** Not applicable.
- vPvB:** Not applicable.

SECTION 3: Composition/information on ingredients**3.2 Mixtures**

- Description:** Mixture of substances listed below with nonhazardous additions.

Dangerous components:

CAS: 80-62-6 EINECS: 201-297-1 Reg.nr.: 01-2119452498-28	methyl methacrylate ⚠ Flam. Liq. 2, H225; ⚠ Skin Irrit. 2, H315; Skin Sens. 1, H317; STOT SE 3, H335	25-50%
CAS: 103-11-7 EINECS: 203-080-7 Reg.nr.: 01-2119453158-37	2-ethylhexyl acrylate ⚠ Skin Irrit. 2, H315; Skin Sens. 1, H317; STOT SE 3, H335	10-25%
CAS: 109-16-0 EINECS: 203-652-6 Reg.nr.: 01-2119969287-21	Triethylene glycol dimethacrylate ⚠ Skin Sens. 1B, H317	0.5-2.5%
CAS: 2842-44-6 EINECS: 220-638-5 Reg.nr.: 01-2120827830-56	N-Hydroxyethyl-N-methyl-p-toluidine ⚠ Aquatic Chronic 2, H411; ⚠ Eye Irrit. 2, H319; Skin Sens. 1, H317	≤0.5%

- Additional information:** For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures**4.1 Description of first aid measures**

- General information:** Immediately remove any clothing soiled by the product.
- After inhalation:**
Supply fresh air and to be sure call for a doctor.
In case of unconsciousness place patient stably in side position for transportation.
- After skin contact:** Immediately wash with water and soap and rinse thoroughly.

(Contd. on page 3)



Safety data sheet according to 1907/2006/EC, Article 31

Printing date 22.08.2023

Vers.No.: 4 (replaces version 3)

Revision: PJRRBSC0524

Trade name: RapidRoof Wear Coat

(Contd. of page 2)

- **After eye contact:**
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing:**
Do not induce vomiting; call for medical help immediately.
Rinse out mouth and then drink plenty of water.
- **4.2 Most important symptoms and effects, both acute and delayed**
No further relevant information available.
- **4.3 Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents:**
Foam
Sand
- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **5.2 Special hazards arising from the substance or mixture**
Exothermic polymerisation.
In case of fire, the following can be released:
Hydrocarbons
Carbon monoxide and carbon dioxide
Nitrogen oxides (NO_x)
- **5.3 Advice for firefighters**
- **Protective equipment:** Wear self-contained respiratory protective device.
- **Additional information** Cool endangered receptacles with water spray.

SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**
Ensure adequate ventilation
Keep away from ignition sources.
Use respiratory protective device against the effects of fumes/dust/aerosol.
Wear protective equipment. Keep unprotected persons away.
- **6.2 Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **6.3 Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders).
Dispose contaminated material as waste according to section 13.
Ensure adequate ventilation.
- **6.4 Reference to other sections**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

GB

(Contd. on page 4)



Safety data sheet according to 1907/2006/EC, Article 31

Printing date 22.08.2023

Vers.No.: 4 (replaces version 3)

Revision: PJRRBSC0524

Trade name: RapidRoof Wear Coat

(Contd. of page 3)

SECTION 7: Handling and storage

- **7.1 Precautions for safe handling**
Ensure good ventilation/exhaustion at the workplace.
Prevent formation of aerosols.
- **Information about fire - and explosion protection:**
Fumes can combine with air to form an explosive mixture.
Keep ignition sources away - Do not smoke.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:**
Store only in the original receptacle.
Store in cool, dry conditions in well sealed receptacles.
Do not allow to enter sewers/ surface or ground water.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:**
- **Maximum storage temperature:** 25°C
- **7.3 Specific end use(s)** No further relevant information available.

SECTION 8: Exposure controls/personal protection

- **8.1 Control parameters**
- **Ingredients with limit values that require monitoring at the workplace:**

80-62-6 methyl methacrylate	
WEL	Short-term value: 416 mg/m ³ , 100 ppm Long-term value: 208 mg/m ³ , 50 ppm
- **Additional information:** The lists valid during the making were used as basis.
- **8.2 Exposure controls**
- **Appropriate engineering controls** No further data; see section 7.
- **Individual protection measures, such as personal protective equipment**
- **General protective and hygienic measures:**
Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing
Wash hands before breaks and at the end of work.
- **Respiratory protection:**
Use the indicated respiratory protection if workplace exposure limits are exceeded.
- **Recommended filter device for short term use:** Filter A
- **Hand protection**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

(Contd. on page 5)

GB

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 22.08.2023

Vers.No.: 4 (replaces version 3)

Revision: PJRRBSC0524

Trade name: RapidRoof Wear Coat

(Contd. of page 4)

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation (EN 374)

- **Material of gloves** Butyl rubber, BR

- **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

For the mixture mentioned below the penetration time has to be at least 60 minutes (Permeation according to EN 374 Part 3: Level 3).

- **Eye/face protection**



Tightly sealed goggles

- **Body protection:** Protective work clothing

SECTION 9: Physical and chemical properties

- **9.1 Information on basic physical and chemical properties**

- **General Information**

- **Physical state**

Fluid

- **Colour:**

Transparent

- **Odour:**

Characteristic

- **Odour threshold:**

Not determined.

- **Melting point/freezing point:**

Undetermined.

- **Boiling point or initial boiling point and boiling range**

100 °C (80-62-6 methyl methacrylate)

- **Flammability**

Highly flammable.

- **Lower and upper explosion limit**

- **Lower:**

0.8 Vol % (103-11-7 2-ethylhexyl acrylate)

- **Upper:**

12.5 Vol % (80-62-6 methyl methacrylate)

- **Flash point:**

10 °C (80-62-6 methyl methacrylate)

- **Decomposition temperature:**

Not determined.

- **pH**

Not determined.

- **Viscosity:**

- **Kinematic viscosity at 20 °C**

85-105 s (ISO 6 mm)

- **Dynamic:**

Not determined.

- **Solubility**

- **water:**

Not miscible or difficult to mix.

- **Partition coefficient n-octanol/water (log value)**

Not determined.

- **Vapour pressure:**

Not determined.

- **Density and/or relative density**

- **Density at 20 °C:**

0.97-1 g/cm³

- **Relative density**

Not determined.

- **Vapour density**

Not determined.

(Contd. on page 6)



Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 22.08.2023

Vers.No.: 4 (replaces version 3)

Revision: PJRRBSC0524

Trade name: RapidRoof Wear Coat

(Contd. of page 6)

· 9.2 Other information**· Appearance:****· Form:**

Fluid

· Important information on protection of health and environment, and on safety.**· Ignition temperature:**

Product is not selfigniting.

· Explosive properties:

Product is not explosive. However, formation of explosive air/vapour mixtures are possible.

· Change in condition**· Evaporation rate**

Not determined.

· Information with regard to physical hazard classes**· Explosives**

Void

· Flammable gases

Void

· Aerosols

Void

· Oxidising gases

Void

· Gases under pressure

Void

· Flammable liquids

Highly flammable liquid and vapour.

· Flammable solids

Void

· Self-reactive substances and mixtures

Void

· Pyrophoric liquids

Void

· Pyrophoric solids

Void

· Self-heating substances and mixtures

Void

· Substances and mixtures, which emit flammable gases in contact with water

Void

· Oxidising liquids

Void

· Oxidising solids

Void

· Organic peroxides

Void

· Corrosive to metals

Void

· Desensitised explosives

Void

SECTION 10: Stability and reactivity**· 10.1 Reactivity** No further relevant information available.**· 10.2 Chemical stability****· Thermal decomposition / conditions to be avoided:** Keep away from heat and direct sunlight.**· 10.3 Possibility of hazardous reactions** Exothermic polymerisation.**· 10.4 Conditions to avoid** No further relevant information available.**· 10.5 Incompatible materials:** Reacts with peroxides and other radical forming substances.**· 10.6 Hazardous decomposition products:**

Hydrocarbons

Carbon monoxide and carbon dioxide

· Additional information: Do not allow to enter sewers/ surface or ground water.

GB

(Contd. on page 6)



Safety data sheet according to 1907/2006/EC, Article 31

Printing date 22.08.2023

Vers.No.: 4 (replaces version 3)

Revision: PJRRBSC0524

Trade name: RapidRoof Wear Coat

(Contd. of page 7)

SECTION 11: Toxicological information

- **11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**
- **Acute toxicity** Based on available data, the classification criteria are not met.
- **Skin corrosion/irritation** Causes skin irritation.
- **Respiratory or skin sensitisation** May cause an allergic skin reaction.
- **STOT-single exposure** May cause respiratory irritation.
- **11.2 Information on other hazards**

- **Endocrine disrupting properties**

128-37-0	Butylated hydroxytoluene	List II
----------	--------------------------	---------

SECTION 12: Ecological information

- **12.1 Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **12.2 Persistence and degradability** No further relevant information available.
- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Endocrine disrupting properties**
For information on endocrine disrupting properties see section 11.
- **12.7 Other adverse effects**
- **Additional ecological information:**
- **General notes:**
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation**
Must be specially treated adhering to official regulations.
Must not be disposed together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packaging:**
- **Recommendation:**
Packaging may be reused or recycled after cleaning.
Packagings that may not be cleansed are to be disposed of in the same manner as the product.
- **Recommended cleansing agents:** Acetone, ethylacetate

GB

(Contd. on page 7)



Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 22.08.2023


Vers.No.: 4 (replaces version 3)

Revision: PJRRBSC0524

Trade name: RapidRoof Wear Coat

(Contd. of page 7)

SECTION 14: Transport information

· 14.1 UN number or ID number · ADR, IMDG, IATA	UN1866
· 14.2 UN proper shipping name · ADR · IMDG, IATA	1866 RESIN SOLUTION RESIN SOLUTION
· 14.3 Transport hazard class(es) · ADR, IMDG, IATA	 · Class 3 Flammable liquids. · Label 3
· 14.4 Packing group · ADR, IMDG, IATA	II
· 14.5 Environmental hazards: · Marine pollutant:	No
· 14.6 Special precautions for user · Hazard identification number (Kemler code): · EMS Number: · Stowage Category	Warning: Flammable liquids. 33 F-E, S-E A
· 14.7 Maritime transport in bulk according to IMO instruments	Not applicable.
· Transport/Additional information:	
· ADR · Limited quantities (LQ) · Excepted quantities (EQ)	5L Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
· Transport category · Tunnel restriction code	2 D/E
· IMDG · Limited quantities (LQ) · Excepted quantities (EQ)	5L Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
· UN "Model Regulation":	UN 1866 RESIN SOLUTION, 3, II

(Contd. on page 9)



Safety data sheet according to 1907/2006/EC, Article 31

Printing date 22.08.2023

Vers.No.: 4 (replaces version 3)

Revision: PJRRBSC0524

Trade name: RapidRoof Wear Coat

(Contd. of page 8)

SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Directive 2012/18/EU**
- **Named dangerous substances - ANNEX I** None of the ingredients is listed.
- **Seveso category** P5c FLAMMABLE LIQUIDS
- **Qualifying quantity (tonnes) for the application of lower-tier requirements** 5,000 t
- **Qualifying quantity (tonnes) for the application of upper-tier requirements** 50,000 t
- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Relevant phrases

H225 Highly flammable liquid and vapour.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H335 May cause respiratory irritation.
H411 Toxic to aquatic life with long lasting effects.

- **Department issuing SDS:** Environmental Protection Department

Abbreviations and acronyms:

Flam. Liq. 2: Flammable liquids – Category 2
Skin Irrit. 2: Skin corrosion/irritation – Category 2
Eye Irrit. 2: Serious eye damage/eye irritation – Category 2
Skin Sens. 1: Skin sensitisation – Category 1
Skin Sens. 1B: Skin sensitisation – Category 1B
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2

- *** Data compared to the previous version altered.**