
Safety Data Sheet**John L. Lord & Son (Rizistal) Ltd**

1. Identification of Substance/Preparation and Company Name**ACRIGARD TOP COAT SYSTEMS – BASE**

John L. Lord & Son (Rizistal) Limited
Wellington Cement Works, Ainsworth Road, Bury. BL8 2RS
Tel: 0161 764 4617 (Out of Office Hours: 01706 211204).

2. Composition / Information on Ingredients

Solution of an acrylic polymer in methacrylic and acrylic acid esters.

40% - 70% methylmethacrylate

CAS No. 00080-62-6

F Flammable	R11	Highly flammable.
Xi Irritant	R36/37/38	Irritating to eyes, respiratory system and skin.
	R43	May cause sensitisation by skin contact.

10% - 30% 2-ethylhexylacrylate

CAS No. 000103-11-7

Xi Irritant	R37/38	Irritating to respiratory system and skin.
	R43	May cause sensitisation by skin contact.

1% - 5% 1,4-butandiol dimethacrylate

CAS No. 002082-81-7

Xi Irritant	R36/37/38	Irritating to eyes, respiratory system and skin.
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1% - 5% N,N-dimethyl-p-toludine
CAS No. 000099-97-8

Xn Harmful	R20/21/22	Harmful by inhalation, in contact with skin and if swallowed.
	R33	Danger of cumulative effects.
	R52/53	Harmful to aquatic organisms, may cause long term adverse effects in the aquatic environment.

3. Hazards Identification

Highly flammable. Irritating to eyes, respiratory system and skin. May cause sensitisation by skin contact.

4. First Aid Measures

<u>Entry Route</u>	<u>Symptoms</u>	<u>Treatment</u>
Inhalation	Irritation.	Remove to fresh air and seek medical help if symptoms persist.
Skin Contact	Irritation.	Remove contaminated clothing. Wash affected part with soap and copious amounts of water. In case of skin eruptions, seek medical help.

Eye Contact	Irritation.	Irrigate eye thoroughly with clean water for at least 10 minutes and seek medical advice.
Ingestion	Irritation.	Do not induce vomiting. Gain immediate medical assistance.

5. Fire-Fighting Measures

Suitable Extinguishers	Water spray, foam, carbon dioxide, dry powder.
Unsuitable	Water jet. Use water to keep sealed containers cool.
Hazardous Combustion Products	Toxic and irritating combustion products may be formed.
Protection For Fire Fighters	For large fires wear full protective equipment, including breathing apparatus.

6. Accidental Release Measures

Personal Protection	Ensure good ventilation; if not wear vapour protective mask. Protect skin and eyes.
Environmental Precautions	Do not allow product to enter drains or water courses.
Cleaning Up	Keep ignition sources away. Absorb into sand or similar material and then contain this.

7. Handling and Storage

Handling	Keep in its closed containers until poured for use. Ensure ventilation is good. Avoid contact with the product.
Storage	Keep in its closed containers and store in cool, dry, well ventilated conditions. Keep away from ignition sources.

8. Exposure Controls / Personal Protection

Exposure Limits	Methylmethacrylate OES long term 50ppm/210mg.m ⁻³ , short term 100ppm/416mg.m ⁻³ ; skin absorbable.	
Protection Measures	Respiratory	Vapour mask to protect from organic vapours.
	Hand	Impermeable gloves.
	Eye	Goggles.
	Skin	Overalls and boots.

9. Physical Properties

Appearance	:	Colourless liquid.
Odour	:	Esterlike.
pH	:	Neutral.
Boiling Point/Range	:	100°C.
Melting Point/Range	:	No data.
Flash Point	:	10°C. (closed cup); Methylmethacrylate.
Flammability(solid, gas)	:	Highly flammable.
Auto flammability	:	Not known.
Explosive Properties	:	Not known.
Oxidising Properties	:	Not known.
Vapour Pressure	:	Not known.
Relative Density	:	0.98 @ 20°C.
Solubility	:	In water c.20g/l water at 20°C.
Partition Coefficient : N-octanol/water.	:	Not Determined.

Other Data : Viscosity – 900 to 1500 mpa.s @ 23°C.

10. Stability and Reactivity

Stable under normal conditions.

Materials to Avoid Heavy metal ions.
Strong oxidising agents; reducing agents.

Thermal Decomposition Products My Include Toxic fumes may be formed.

11. Toxicological Information

Methylmethacrylate

Acute oral LD₅₀ (rat): 8000mg/kg;
Acute inhalation LC₅₀ (rat): 7093ppm for 4 hour;
Acute dermal LD₅₀ (rabbit): 9400mg/kg.

2-ethylhexylacrylate

Acute oral LD₅₀ (rat): 4435mg/kg;
Acute inhalation LC₅₀ (mouse): 600mg/m³.

N,N-dimethyl-toluidine

Acute oral LD₅₀ (rat): 300mg/kg.

12. Ecological Information

To be considered hazardous to the environment and to be kept from water courses, waste water or soil.

13. Disposal Considerations

Product may be treated as special waste and disposed of accordingly.
Cured product may be disposed of as building waste.

14. Transport Information

UN 1866	Resin solution, flammable. (contains Methylmethacrylate)
Classification	3 - Flammable liquid.
Packing Group	III.

15. Regulatory Information

Contains Methylmethacrylate and 2-ethylhexylacrylate

F Flammable	R11	Highly flammable.
Xi Irritant	R36/37/38 R43	Irritating to eyes, respiratory system and skin. May cause sensitisation by skin contact.
Xn Harmful	R20/21/22 R33 R52/53	Harmful by inhalation, in contact with skin and if swallowed. Danger of cumulative effects. Harmful to aquatic organisms, may cause long term adverse effects in the aquatic environment.
	S9 S16 S24 S29 S33	Keep container in a well ventilated place. Keep away from sources of ignition – No Smoking. Avoid contact with the skin. Do not empty into drains. Take precautionary measures against static discharges.

S36/37	Wear suitable protective clothing and gloves.
S45	In case of accident or if you feel unwell, seek medical advice immediately (show label where possible).
S61	Avoid release to the environment. Refer to safety data sheet.

The product is classified under the UK Chemicals (Hazard Information and Packaging) Regulations – CHIP.

The product should be considered when making assessments under the UK Control of Substances Hazardous to Health Regulations – COSHH.

16. Other Information

The product should only be used as described in the document “COSHH Assessment” issued by John L. Lord & Son (Rizistal) Ltd.