

ARMOURCOAT LIMITED

Material Safety Data Sheet

R29 RESIN

Section 1

Manufactures Name: Armourcoat Limited	Emergency Telephone Number: 0044 1732 460668
Address: Morewood Close, London Road, Sevenoaks, Kent. TN13 2HU United Kingdom	Telephone Number for Information: 0044 1732 460668
	Date Prepared: 15.05.03

Section 2 – Hazard Ingredients / Identity Information

Hazardous Components	OSHA PEL*	ACGIH TLV*	Other Limits Recommended	%
Triethoxy (2,3,3-trimethylpentyl) silane				<5.0
Methanol				<1.0

Section 3 – Physical / Chemical Characteristics

Boiling Point (°)	100	Specific Gravity (H ₂ O = 1)	1.04
Vapor Pressure (kPa)	23hPa @ 20°C	Flash Point (°C)	-
pH	Approx. 7	Evaporation Rate (Butyl Acetate = 1)	-
Solubility in Water: Completely miscible (@20°C)			
Appearance and Odor: White liquid with mild odour			

Section 4 – Fire & Explosion Hazard Data

Flash Point Method Used: PMMC	Flammable Limits Non flammable
Extinguishing Media: Not combustible. Select extinguishing agent appropriate to other materials involved. Wear self contained breathing apparatus	

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Unusual Fire and Explosion Hazards

None.

Section 5 – Reactivity Data

Stability	Conditions to Avoid
Stable under normal conditions.	None known.
Incompatibility (Materials to Avoid) None	
Hazardous Decompositions or Byproducts: Under the effect of humidity, water and protic agents: ethanol.	

Section 6 – Health Hazard Data

Route (s) of Entry:	Inhalation? X	Skin? X	Ingestion? X
Health Hazards (Acute and Chronic) Main Hazards: Not classified as hazardous.			
Carcinogenicity: -	NTP? -	IARC Monographs? -	OSHA Regulated? -
Signs and Symptoms of Exposure: Hydrolysis product, ethanol, irritates the mucous membranes, slightly irritates the skin and degrades the skin.			
Medical Conditions Generally Aggravated by Exposure: Irritation to skin and ethanol, the byproduct, is a narcotic and may cause liver damage.			

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Emergency and First Aid Measures:

Eye: Irrigate with water immediately with plenty of water for at least 15 minutes. Obtain medical attention.

Skin: Soap flush as soon as possible. Remove all contaminated clothing. Seek medical attention if blistering occurs or redness persists.

Breathing: Remove from exposure and remove to fresh air. Seek medical attention if you feel unwell.

Swallow: Wash out mouth with water. Drink 2-3 glasses of water. Do not induce vomiting. Obtain medical attention urgently.

Section 7 – Precautions for Safe Handling and Use

Steps to Be Taken in Case Material is Released or Spilled:

Contain spill and clean away using earth sand or other inert material. Prevent material from entering drains or water courses. Advise authorities if spillage has entered water course or sewer or has contaminated soil or vegetation.

Waste Disposal Method:

Disposal should be in accordance with current local and national legislation. Incineration is the recommended method of disposal. Use an approved disposal company.

Precautions to Be Taken in Handling and Storing:

Use in well ventilated area. Avoid inhaling vapour. Avoid contact with eyes, skin and clothing. Remove ignition sources. Avoid sparks, do not smoke. Keep containers tightly closed when not in use.

Store in a cool, dry and well ventilatd place in original packaging. Storage temperatures should be 5⁰C-25⁰C.

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Other Precautions:

Material spills can create slippery conditions under foot.

Section 8 – Control Measures

Respiratory Protection: Occupational exposure standards for significant components are: Ethanol
OES 1000ppm 8h TWA

Ventilation X	Local Exhaust X	Special
	Mechanical (General)	Other
Protective Gloves X	Eye Protection X	

Other Protective Clothing or Equipment:

Suitable Overalls.

Work / Hygienic Practices:

Personal hygiene is important, including use of barrier creams.