

COPPERPLUS RESIN COMPONENT

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1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION**Product Information**

Trade name	COPPERPLUS RESIN COMPONENT
Company	Reactive Resins 33 Normandy Way Walker Lines Industrial Estate BODMIN Cornwall PL31 1HA United Kingdom
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2. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical nature Solvent containing epoxy resin preparation

Hazardous components :

Chemical name	CAS Number	Symbols	R-phrases	Concentration %
Bisphenol A epoxy resin, average MW >700	110025068-38-6	Xi	R43 R36/38	50-70
Xylene	1330-20-7	Xn	R10, R20/21 R38	10-20
Methyl iso butyl ketone	108-10-1	Xn	R11, R20, R36/R37, R66	10-20
Methyl proxitol	107-98-2		R10	10-20

3. HAZARDS IDENTIFICATION

Flammable.
Harmful by inhalation and in contact with skin.
Irritating to skin.

4. FIRST AID MEASURES

Inhalation : Move to fresh air.
If symptoms persist, call a physician.

Eye contact : Rinse immediately with plenty of water for at least 15 minutes.
If eye irritation persists, consult a specialist.

Skin contact : Clean with detergents. Avoid solvents.

Ingestion : Immediately give plenty of water (is possible charcoal slurry).
If a person vomits when lying on his back, place him in the recovery position.
Oxygen or artificial respiration if needed.
Do not induce vomiting.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media	Water spray, Carbon dioxide (CO ₂), Foam, Dry powder.
Extinguishing media which must not be used for safety reasons	High volume water jet.
Special protective equipment for fire-fighters	Wear self-contained breathing apparatus and protective suit
Further information	Burning produces obnoxious and toxic fumes and carbon oxides.

COPPERPLUS RESIN COMPONENT**6. ACCIDENTAL RELEASE MEASURES**

Personal precautions	Keep away from sources of ignition – No smoking. Avoid contact with skin, eyes and clothing. Do not breathe vapours/dust.
Environmental precautions	Prevent product from entering drains. Do not contaminate surface water. Avoid subsoil penetration.
Methods for cleaning up	Soak up with inert absorbent material and dispose of as hazardous waste.

7. HANDLING AND STORAGE**Handling**

Advice on safe handling

Provide sufficient air exchange and/or exhaust in work rooms.
Remove all sources of ignition.
Ensure adequate ventilation.
Handle and open container with care.

Storage

Further information on storage conditions

Keep away from food, drink and animal feeding stuffs.
Keep container tightly closed.
Store at room temperature in the original container.

Storage hazard class

Storage class 3, Flammable Liquids

8. EXPOSURE CONTROLS/PERSONAL PROTECTION**Components with workplace control parameters**

Components	CAS-No.	STEL	OEL
Xylene	1330-20-7	100 ppm	50
Methyl iso butyl ketone	108-10-1	100ppm	50
Methyl proxitol	107-98-2	150ppm	100

Engineering measures

Avoid formation of aerosol.
Provide appropriate exhaust ventilation at point of use.

Personal protective equipment

Eye protection

Safety goggles, face shield

Hand protection

Rubber or plastic gloves.

Skin and body protection

Protective suit, safety shoes

Protective measures

Keep away from sources of ignition – No smoking.
Avoid contact with skin, eyes and clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form	liquid
Colour	red
Odour	solvent
Boiling point	approx. 140°C
Thermal decomposition	> 200°C
Flash point	26°C Method : DIN51755 (Abel-Pensky Closed Cup)
Vapour pressure	800 Pa at 20°C
Density	approx. 1.1 g/cm ³ at 25°C
Water solubility at 20°C	Practically insoluble

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Miscibility with water immiscible

10. STABILITY AND REACTIVITY

Conditions to avoid Take necessary action to avoid static electricity discharge.
Materials to avoid Strong acids and strong bases. Strong oxidizing agents.
Hazardous decomposition products Carbon oxides. Burning produces obnoxious and toxic fumes.

11. TOXICOLOGICAL INFORMATION

Acute oral toxicity	LD50 rat.	Dose: >5,000 mg/kg	
Eye irritation	irritating.	Rabbit	Method : estimated
Skin irritation	irritating	Rabbit	Method : estimated dermal
Sensitization	Causes sensitization	Guinea pig	Method: Maximisation Test (GPMT) dermal

12. ECOLOGICAL INFORMATION

Ecotoxicity effects

Further information on ecology
Additional ecological information

Avoid subsoil penetration.
Prevent product from entering drains.
Do not contaminate surface water.

13. DISPOSAL CONSIDERATIONS

Container	Empty containers can be landfilled after cleaning, when in compliance with the Environmental Protection (Duty of Care) Regulations 1991.
Product	Waste Key Number: 070208

14. TRANSPORT INFORMATION

Land Transport

<i>ADR:</i>	
UN-No.	1866
Class	3
Item	F1
Risk No.	30
ADR/RID-Labels	3
Proper Shipping Name	RESIN SOLUTION, FLAMMABLE

<i>RID:</i>	
UN-No.	1866
Class	3
Item	F1
Risk No.	30
ADR/RID-Labels	3
Proper Shipping Name	RESIN SOLUTION, FLAMMABLE

Sea Transport

<i>IMDG:</i>	
UN-No.	1866
Class	3

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Packaging Group	III
ADR/RID-Labels	3
MFAG	
EmS	F-E-S-E
Proper Shipping Name	RESIN SOLUTION, FLAMMABLE

Air Transport

<i>IATA-DGR:</i>	
UN-No.	UN 1866
Class	3
Packaging Group	III
Packing Instruction (cargo aircraft)	310
ADR/RID-Labels	3
Proper Shipping Name	RESIN SOLUTION, FLAMMABLE

15. REGULATORY INFORMATION

Labelling according to EEC Directive

Labelling required		
Symbol(s)	Xn	Harmful
R-phrase(s)	R10	Flammable
	R20/21	Harmful by inhalation and in contact with skin
	R43	May cause sensitization by skin contact
	R36/38	Irritating to eyes and skin
S-phrase(s)	S28	After contact with skin, wash immediately with plenty of soap and water
	S37/39	Wear suitable gloves and eye/face protection
Hazardous components which must be listed on the label	xylene mibk, methyl proxitol bisphenol A- epoxy resins, number average MW >700 – <1100	

16. OTHER INFORMATION

The provision of Safety Data Sheets comes under regulation 6 of CHIP (CHIP is the recognised abbreviation for the Chemicals Hazard Information and Packaging regulations). This is an addition to the Health & Safety at Work Act 1974.

Users of products supplied by Reactive Resins should take appropriate measures to ensure working practices are in accordance with the Control of Substances Hazardous to Health Regulations (COSHH)

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