

Carmel Resins Ltd.

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MATERIAL SAFETY DATA

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME : CBR-264
CHEMICAL CHARACTERISATION : Sulfonated melamine polycondensation resin in aqueous solution
MOLECULAR FORMULA : Polymeric mixture

If you have any questions, please contact Carmel Resins Ltd.,P.O. Box 8, Atlit 30300, Israel,
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2. COMPOSITION / INFORMATION ON INGREDIENTS

OSHA REGULATED COMPONENTS

COMPONENT	CAS. NO.	%	TWA/CEILING	REFERENCE
Formaldehyde	000050-00-0	0.3	0.75 ppm 0.3 ppm (ceiling) 2 ppm STEL	OSHA ACGIH OSHA

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

STATEMENTS OF HAZARD : NO WARNING STATEMENT
SYMPTOMS OF OVEREXPOSURE : Prolonged exposure to this product may cause slight skin irritation.
Ingestion may cause gastrointestinal uneasiness, vomiting, dizziness.

4. FIRST AID MEASURES

EYE CONTACT : Irrigate immediately with plenty of clean water or an eyewash solution for 15 minutes.
If necessary obtain medical attention.
SKIN CONTACT : Wash off with water. Contaminated clothing should be laundered before re-using.
INGESTION : Rinse mouth with water, then drink water or milk.
Seek medical attention. Treat symptomatically.

5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA AND FIRE FIGHTING INSTRUCTIONS

- Fire extinguishing media : water, water spray, dry chemical, carbon dioxide
 - Special fire fighting procedures : fire fighters should wear self-contained breathing apparatus
 - Fire and explosion hazards : extremely low when exposed to heat or flame.
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6. ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Absorb spillages onto sand, earth, sawdust or a similar adsorbent material and shovel into waste drums, cover and remove for disposal. Flush area with water.

7. HANDLING AND STORAGE

- HANDLING : Handle in accordance with good industrial hygiene and safety practice. Use only in well ventilated areas.
 - STORAGE :
 - Keep away from heat and flames.
 - Store in covered storage, avoid heat.
 - Keep only in the unopened, original container which should be of plastic material.
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8. EXPOSURE CONTROLS / PERSONAL PROTECTION

PERSONAL PROTECTIVE EQUIPMENT

- Clothing : Employees must wear appropriate protective clothing and equipment to prevent any possibility of skin contact.
 - Protective gloves : Should be worn when handling this product .
 - Respiratory protection : None required under normal conditions of use.
 - Industrial hygiene* : *When using this material, do not eat, drink or smoke. Wash hands before breaks and at the end of the workday.*
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9. PHYSICAL AND CHEMICAL PROPERTIES

- APPEARANCE : Colourless or very slightly yellow aqueous solution
 - ODOR : Characteristic
 - BOILING POINT :
 - VAPOR PRESSURE :
 - RELATIVE DENSITY : approx. 1.25 (water = 1.0)
 - VISCOSITY : 50 - 100 mPa.s
 - pH : 9.0 - 11.5
 - SOLUBILITY IN WATER : Miscible in any proportion
 - PERCENT VOLATILE : approx. 60
 - (by weight)
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10. STABILITY AND REACTIVITY

STABILITY	:	Stable
INCOMPATIBLE MATERIALS	:	Strong acids
CONDITIONS TO AVOID	:	Low pH. Polymerization may occur.
POLYMERIZATION	:	Hazardous polymerization at normal temperatures is no known to occur.

11. TOXICOLOGICAL INFORMATION

ACUTE ORAL MAMMAL TOXICITY	:	LD ₅₀ oral (rat) > 2000 mg/kg. The LD ₅₀ following a 4 hour inhalation exposure to rats is nil.
MUTAGENICITY	:	It was found to be non mutagenic.

12. ECOLOGICAL INFORMATION

ACUTE TOXICITY TO FISH	:	LD ₅₀ /Fish/48h > 230 mg/l
TOXICITY TO BACTERIA	:	EC ₁₀ = 240 mg/l
CHEMICAL OXYGEN DEMAND, COD	:	240 mg Oxygen/g
BIOCHEMICAL OXYGEN DEMAND, BOD	:	14 mg Oxygen/g

13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL	:	Dispose adsorbed material in accordance with national and local regulations, wash the spillage area clean and dispose of water in contained waste treatment system.
DISPOSAL OF CONTAMINATED PACKAGING	:	Packaging, after cleaning can be either reused for the same product or must be recycled or disposed according to national and local regulations.

14. TRANSPORT INFORMATION

The product is not a dangerous goods under transport regulations.

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15. REGULATORY INFORMATION

Labeling in accordance with EEC - directives : No Label required

16. OTHER INFORMATION

NFPA HAZARD RATING (National Fire Protection Association)

Fire 1		FIRE	:	Materials that must be preheated before ignition can occur.
Health 0	0	HEALTH	:	Materials which on exposure under fire conditions would offer no hazard beyond that of ordinary combustible material.
-		REACTIVITY	:	Materials which in themselves are normally stable, even under fire exposure conditions and which are not reactive with water.
Special				

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