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PRODUCT: CR MUF30 MSDS

1. Product and Company Identification

Commercial name of Product: **CR MUF30**

UN Number: Not Controlled

C.A.S. number: Resin Solution

Manufacturer:

Chemicals & Research (PTY) LTD,
12 Regents Avenue,
Anzac,
BRAKPAN

Emergency telephone numbers: 011-740-1016

2. Composition/Information on ingredients

Substance/preparation: Preparation

Information on hazardous ingredients

Chemical name	CAS No.	%	Symbol	R-Phrases
Formalin	50-00-0	<10		
Sodium hydroxide	1310-73-2	<5	215-185-5	Xi; R38, 41; R43
See Section 15 for the full text of the R Phrases declared above				

Occupational exposure limits, if available, are listed in section 8.

3. Hazards identification

Physical/chemical hazards: Not applicable

4. First aid measures

Effects and symptoms

Inhalation:

Slightly hazardous in case of inhalation. Inhalation of the spray mist may produce severe irritation of respiratory tract, characterized by coughing, choking, or shortness of breath. Over-exposure by inhalation may cause respiratory irritation.

Ingestion:

May be fatal if swallowed. May cause burns to mouth, throat and stomach.

Skin contact:

Sensitization of the product: No known data.
Hazardous in case of skin contact (irritant). Corrosive to skin on contact. Skin contact may produce burns. Skin inflammation is characterized by itching, scaling, reddening, or, occasionally, blistering.

Eye contact:

Very hazardous in case of eye contact (Corrosive).

Aggravating conditions:

Repeated or prolonged exposure is not known to aggravate any medical condition.

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First aid measures

Inhalation:

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.

Ingestion:

Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention if symptoms appear.

Skin contact:

In case of contact, immediately flush skin with plenty of water. Cover the irritated skin with an emollient. Remove contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention.

Eye contact:

Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Cold water may be used. Get medical attention immediately. Finish by rinsing thoroughly with running water to avoid a possible infection.

5. Fire fighting measures

Suitable extinguishing media:

Extinguisher suitable for ordinary combustible materials.

Unusual fire/explosion hazards

Reacts explosively with red hot aluminium metal (Disodium carbonate, anhydrous).

Special fire-fighting procedures:

Fire fighters should wear positive pressure self-contained breathing apparatus (SCBA) and full turnout gear.

Hazardous thermal decomposition products

These products are carbon oxides (CO, CO₂). Some metallic oxides.

6. Accidental release measures

Personal Precautions:

Splash goggles. Overalls. Boots. Gloves. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Environmental precautions and clean-up methods

Stop leak if without risk. Absorb with DRY earth, sand or other non-combustible material. Do not get water inside container. Do not touch spilled material. Use water spray curtain to divert vapor drift. Prevent entry into sewers, basements or confined areas; dike if needed. Call for assistance on disposal. **Neutralize the residue with a dilute solution of acetic acid.**

7. Handling and storage

Handling:

Keep locked up. Keep container dry. Do not ingest. Do not breathe gas/fumes/ vapor/spray. Never add water to this product. If ingested, seek medical advice immediately and show the container or the label. Avoid contact with skin and eyes.

Storage:

Keep container tightly closed. Keep container in a cool, well-ventilated area.

Suitable packaging materials:

Use original container.

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8. Exposure controls/Personal protection

Engineering controls:

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective occupational exposure limits

Hygiene measures:

Wash hands after handling compounds and before eating, smoking, using lavatory, and at the end of day.

Occupational exposure limits:

Hazardous ingredients	TLV/PEL
Formaldehyde	ACGIH TLV 0.3ppm TLV 0.037mg/m³ TLV NIOSH TWA: 0.016ppm IDHL: 20ppm OSHA Final PEL's TWA: 0.75ppm STEL: 2ppm

9. Physical and Chemical properties

Physical state and appearance:

Liquid.

Colour:

Milky white

Odour threshold:

No known data.

Density:

1.26 g/cm³ (25°C / 77°F)

Solubility:

Soluble in hot water, methanol.

Very slightly soluble in cold water, diethyl ether. Insoluble in n-octanol.

Octanol/water partition coefficient:

The product is more soluble in water.

pH:

Basic.

Flash point

Not applicable

Explosion properties:

Risks of explosion of the product in presence of static discharge: Not available.

Explosive in presence of metals

10. Stability and reactivity

Stability:

Product is stable.

Hazardous reactions:

Reactive with acids, alkalis.

Hazardous decomposition products:

These products are carbon oxides (CO, CO₂).

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11. Toxicological information

Acute data [LD50, LC50]

Acute oral toxicity (LD50): 8756 mg/kg (Rat) (Calculated value for the mixture) Acute dermal toxicity (LD50): 17217 mg/kg (Rabbit.) (Calculated value for the mixture)

Local effects:

Skin irritation:

Hazardous in case of skin contact (irritant). Slightly dangerous to dangerous in case of skin contact (corrosive, irritant, sensitizer, permeator), eye contact (irritant), ingestion, inhalation.

Eye irritation:

Hazardous in case of eye contact. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Seek medical attention if irritation persists.

Specific effects:

Carcinogenic effects:

Classified + (Proven.) by NIOSH [Formalin <10%]. Classified 3 (Possible for human.) by European Union [Formalin <10%]. Classified A2 (Suspected for human.) by ACGIH [Formalin <10%]. Classified None., None. by OSHA, None. by NIOSH, None. [Disodium carbonate, anhydrous].

Mutagenic effects:

No known data

Reproduction effects:

Classified Reproductive system/toxin/female, Reproductive system/toxin/male [PROVEN] [Formalin <10%].

12. Ecological information

Ecotoxicity:

No known data

13. Disposal considerations

Disposal considerations

DO NOT RE-USE CONTAINERS. Return to supplier.

Methods of disposal

Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Waste classification

Not applicable

European Waste Catalogue (EWC)

No known data

Hazardous waste

To present knowledge of the supplier, this product is not regarded as hazardous waste as defined by EU Directive 91/689/EC.

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14. Transport information

Regulatory Information	UN number	Proper shipping name	Class	Packing Group	Label	Additional information
ADR/RID Class Land -	No known data.	No known data.	9	III		-
ADN Class Inland	No known data.	No known data.	No known data.			-
IMDG Class Sea	No known data.	No known data.	No known data.			-
IATA-DGR Class Air	Not Regulated					-

15. Regulatory information

Risk phrases:

This product is not classified according to the EU regulations. Irritating to eyes and skin.

Product use

Classification and labeling have been performed according to EU directives 67/548/EEC, 1999/45/EC including amendments and the intended use. - Consumer applications.

Additional warning phrases

Contains (Formalin <10%). May produce an allergic reaction. Safety Data Sheet available for professional user on request.

16. Other information

The information above is believed to be accurate and represents the best information currently available to us. However, Chemicals and Research makes no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use.

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