

# MicroChem Corp.

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## MATERIAL SAFETY DATA SHEET

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SECTION 1. CHEMICAL IDENTIFICATION -

CHEMICAL NAME:

Organic Resin Solution

TRADE NAME:

XP SU-8 R50

PRODUCT #:

Y130069

SECTION 2. COMPOSITION-

INGREDIENTS:

Gamma Butyrolactone (CAS:96-48-0); 30-32.

Epoxy Resin (CAS: 28906-96-9); 68-70%

SECTION 3. HAZARD DATA-

INFLAMMABILITY:

Combustible liquid.

SKIN CONTACT:

May cause skin irritation.

EYE CONTACT:

Severe eye irritant.

INGESTION:

May be harmful if swallowed in large quantities.

INHALATION:

May cause irritation.

MUTAGENICITY:

Not known to be mutagenic.

CARCINOGENICITY:

Not considered carcinogenic by NTP, IARC and OSHA

OTHER:

TARGET ORGANS:

Eyes, Epidermis.

SECTION 4. FIRST AID MEASURES-

INHALATION:

No occupational exposure limits have been developed for this material.

Where exposure through inhalation may occur from use, NIOSH

approved respiratory equipment is recommended.

INGESTION:

If a large quantity swallowed, give lukewarm water. DO NOT induce

vomiting. Risk of damage to lungs exceeds poisoning risk. Get medical

attention immediately.

SKIN CONTACT:

Rinse with water for 15 minutes while removing contaminated

clothing and shoes. Wash affected area with soap and water. Wash

contaminated clothing.

EYE CONTACT:

Rinse immediately with water, flush for 15 min. lifting eyelids

frequently. Get emergency medical assistance. Prompt action is

essential.

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### SECTION 5. FIRE FIGHTING MEASURES-

**EXTINGUISHING** 

MEDIA:

SPECIAL FIRE FIGHTING

PRECAUTIONS:

spray/fog for

Dry chemical, carbon dioxide, foam, water spray, water fog.

Do not enter fire area without proper protection. Fight fire from a safe distance/protected location. Heat may build enough pressure to rupture closed containers, spreading

fire, increasing risk of burns/injuries. Use water cooling. Burning liquid may float on water. Notify authorities

immediately if liquid enters sewer, public waters.

UNUSUAL FIRE OR EXPLOSION HAZARDS:

Heat from fire can generate flammable vapor. When mixed with air and exposed to ignition source, vapors can burn in open or explode if confined. Vapors may be heavier than air. May travel long distances along the ground before igniting and flashing back to vapor source. Fine sprays/mists may be combustible at temperatures below normal flash point.

#### SECTION 6. ACCIDENTAL RELEASE PROCEDURES -

Evacuate Area.

Eliminate all ignition sources.

Wear self-contained breathing apparatus (SCBA), rubber boots, and heavy rubber gloves. Avoid eye or skin contact. Cover with dry absorbent material and collect in closed container for disposal using non-sparking tools. Ventilate area and wash spill site after material pickup is complete, rinse with water. All clean-up should be carried out in accordance with federal, state, and local regulations. If required proper authorities should be notified.

#### SECTION 7. STORAGE AND HANDLING PRECAUTIONS-

STORAGE:

Store in tightly closed container in a cool environment away from

direct sunlight.

HANDLING:

Keep away from heat, sparks, and flames.

Use only with mechanical exhaust.

Do not contact with skin, eyes, and clothing.

Severe eye irritant.

Avoid prolonged or repeated exposure.

Wear heavy rubber gloves.

Wash with soap and water after handling. Have safety shower and eye wash available.

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## SECTION 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION—

RESPIRATORY

PROTECTION:

In case of spills, use of self-contained breathing apparatus (SCBA)

is recommended.

VENTILATION:

Local or general mechanical ventilation is required.

SKIN PROTECTION:

Rubber gloves are recommended.

EYE PROTECTION:

Safety goggles are highly recommended.

## SECTION 9. PHYSICAL AND CHEMICAL DATA-

APPEARANCE:

Pale yellow to clear

ODOR:

Slightly sweet 204 °C (400 °F)

BOILING POINT: SPECIFIC GRAVITY:

1.140

VAPOR PRESSURE:

2 mm @ 20 °C (68 °F)

H<sub>2</sub>O SOLUBILITY:

30-35% by wt

% VOLATILES:

30-35% by wt

EVAPORATION RATE:

1 (BuAc=1) 98°C (209 °F) TCC

FLASH POINT: - AUTOIGNITION TEMP:-

437°C (820°F)-

EXPLOSION LIMITS:

3.6 lower 16 upper

#### SECTION 10. REACTIVITY DATA ----

STABILITY:

Stable

INCOMPATIBILITY:

Strong Oxidizing Agents, Strong Bases, Strong

Acids\_

HAZARDOUS POLYMERIZATION:

HAZARDOUS COMBUSTION OR DECOMPOSITION PRODUCTS:

Will not occur

Carbon Monoxide

#### SECTION 11. TOXICITY HAZARDS-

Gamma Butyrolactone

In animal studies, due to the rate of dermal absorption of GBL, dermal toxicity is assumed to be essential equal to oral toxicity. In humans, oral ingestion of solutions containing high concentrations of GBL has caused reversible coma.

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SECTION 12. ECOLOGICAL DATA----

No data available at this time.

SECTION 13. DISPOSAL CONSIDERATIONS-

Burn in an EPA-licensed chemical incinerator equipped with an afterburner and scrubber at an approved waste disposal facility. Observe all federal, state, and local environmental regulations.

SECTION 14. TRANSPORTATION INFORMATION-

HAZARD CLASSIFICATION:

SHIPPING NAME: UN NUMBER:

PACKING GROUP

Not Regulated

Not Regulated Not Regulated Not Regulated

SECTION 15. REGULATORY INFORMATION-

HAZARDOUS LISTINGS. All ingredients appear on the TSCA Inventory of

Chemical Substances, EINECS, and the Japan

Hazardous Chemical Listing.

SARA Title III: \_\_\_\_\_ This product IS NOT subject to SARA Title III, Section-

313 Reporting Requirements.

Calif. SCAQMD Rule 443.1 VOC's: 400 g/l; vapor pressure 2 mm Hg @ 20 ℃

SECTION 16. ADDITIONAL PRECAUTIONS AND COMMENTS-

To the best of our knowledge, the above information is believed to be accurate but does not claim to be all inclusive and is intended to be used only as a guide. The supplier makes no warranty of any kind, expressed or implied, concerning the use of this product and shall not be held liable for any damage resulting from handling or from contact with the above product. User assumes all risks incident to its use.