



## Material Safety Data Sheet RIC500A

**Product Name:** RIC500A Adhesive

**Description:** **Part A:** Methacrylate Adhesive; **Part B:** Peroxide Activator

**Supplier:** ITW Ramset/Red Head, 1300 N. Michael Dr, Wood Dale, IL 60191.

**Emergency Number:** 1-800-899-7890

### Ingredients and exposure limits

Ingredients	CAS Number	TLV; (mg/m3)	PEL: (mg/m3)	STEL
<b>Part A:</b> Methyl Methacrylate	80626	100 ppm	100ppm	100ppm
<b>Part B:</b> Dibutyl Phthalate	84742	5 mg/m3	5 mg/m3	5 mg/m3
Benzoyl Peroxide	94360	5 m/m3	5 m/m3	5 ppm

#### Abbreviations:

TLV = ACGIH Threshold Limit Value

NA = Not applicable

PEL = OSHA Permissible Exposure

NE = None Established

STEL = Short Term Exposure Limit

### Physical Properties

Properties	Part A: Beige Paste	Part B: Gray Paste
<b>Specific Gravity</b>	= 1.60 g/cm <sup>3</sup> (at 20°C)	= 1.60 g/cm <sup>3</sup> (at 20°C)
<b>Boiling Point</b>	= >100°C	NE
<b>Water Solubility</b>	None	None

### Safe Handling Procedures

**Handling Precautions:** Keep away from children. Do not get in eyes, skin or clothing. Wash thoroughly after handling. Avoid breathing vapours. Use only as directed; avoid uncontrolled mixing with other materials, especially polymerisable or combustible materials.

**Storage:** For maximum shelf life, store in cool dry area between 4 to 27°C. Do not store above 43°F. Keep away from heat, sparks and open flame. Exposure to high heat can cause violent reaction. Do not store near combustibles.

**Spill procedures:** Collect with an absorbent material and place in a container for proper disposal. For large spills, transfer to salvage vessels and dispose according to state, local and federal regulations. Flush area with water to remove residue.

### Personal Protection

**Ventilation:** Use in well ventilated areas. Provide mechanical ventilation in enclosed areas.

**Eye protection:** Wear safety glasses with side shields.

**Skin protection:** Impervious butyl rubber gloves recommended.

**Respiratory protection:** None normally required with normal ventilation. Where ventilation is inadequate to control vapours use a NIOSH/MSHA air purifying system with an organic vapour cartridge.

### Health Information

**Signs and Symptoms of Exposure:** Inhalation can cause headache. Nausea, dizziness, fatigue and drowsiness.

**Part A:** Eye and skin irritant. Possible skin sensitizer.

**Part B:** Corrosive

**Signs and Symptoms of Exposure: Part A:** May be irritating to eyes, skin, nose and throat. May cause skin sensitization. In applications where vapours (caused by high temperatures)



or mists (caused by mixing) are created, breathing may cause a mild burning sensation in the nose, throat and lungs.

**Part B:** May cause eye and skin burns. Vapours may be irritating. May cause burns if swallowed.

**Medical Conditions Aggravated by Exposure:** Eye, skin and respiratory conditions.

#### **First Aid Measures**

**Eyes:** Flush immediately with water for at least 15 minutes. Get immediate medical attention.

**Skin:** Wash immediately with soap and water. Launder contaminated clothing before reuse.

**Inhalation:** If symptoms occur, move to fresh air. Seek medical attention if symptoms persist.

**Ingestion:** Rinse mouth and then drink large quantities of water. Don't give anything by mouth to an unconscious person. Seek medical attention. Do not induce vomiting unless directed by a physician.

**Other:** Referral to a physician is recommended if there is any question about the seriousness of the exposure.

#### **Stability and Reactivity**

**Stability:** Stable at normal temperatures.

**Hazardous Polymerisation:** Will not occur at normal temperatures

**Incompatibility:** Strong acids and oxidizing agents.

**Decomposition Products:** Thermal decomposition can yield CO<sub>x</sub>, NO<sub>x</sub>, water and carbon.

**Conditions to Avoid:** Avoid elevated temperatures which may shorten the shelf-life of this product. Avoid open flame.

#### **Fire and Explosion Hazard Information**

**Flash Point:** 18°C

**Flammable Limits in air:** Lower: 2.1 Upper: 12.5

**Extinguishing Media:** CO<sub>2</sub>, Dry Chemical and Foam

**Special Fire Fighting Procedures:** Keep personnel removed and upwind from fire. Use self-contained breathing apparatus and full protective equipment.

**Unusual Fire and Explosion Hazards:** Vapours are heavier than air and may travel to ignition sources and flash back.

**Hazardous products of combustion:** Carbon monoxide, carbon dioxide, trace amount of sulphur compounds and smoke.

#### **Regulatory Information**

**Hazard Communication:** This MSDS has been prepared in accordance with the federal OSHA Hazard Communication Standard 29 CFR 1910.1200.

**HMIS Codes:** Health 2, Flammability 3, Reactivity 2, PPE B.

**DOT Shipping Name:** Consumer Commodity, ORM-D

**TSCA Inventory Status:** Chemical components are listed on TSCA inventory or exempt as impurities.

**SARA Title III, Section 313:** This product contains Methyl Methacrylate Monomer which is subject to reporting under Section 313 or SARA Title III (40 CFR Part 372).

**EPA Waste Code(s):** D001

**Waste Disposal Methods:** Consult with regulatory agencies of your corporate personnel for disposal methods that comply with local, state and federal safety, health and environmental regulations.

**Notes:** In normal use, the methyl Methacrylate in this product is polymerized during cure. For purposes of air quality regulations, the maximum amount of VOD (i.e. MMA) emitted is



negligible (<5%) Actual emissions are a function of substrate and process and should be considered on an individual basis.

**Canadian regulations:** WHMIS hazard classes: B2, C, D2A and D2B.

**Canadian EPA:** All ingredients are listed on the DSL or are exempt as impurities.

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