

Material Safety Data Sheet**Product Name:** Maxima 7 Capsule**Description:** Sealed glass capsule containing Methacrylate Adhesive and Peroxide Activator**Supplier:** ITW Ramset/Red Head · 1300 N. Michael Dr. · Wood Dale, IL 60191**Emergency Number:** 1-800-899-7890**Date prepared:** July 1, 2003**Ingredients and Exposure Limits**

Ingredients	CAS Number	TLV:	PEL:	STEL
Benzoyl Peroxide	94-36-0	5 mg/m ³	5 mg/m ³	5 ppm
Methyl Methacrylate Monomer	80-26-6	100 ppm	100 ppm	100 ppm

Abbreviations:

TLV = ACGIH Threshold Limit Value

NA = Not Applicable

PEL = OSHA Permissible Exposure

NE = None Established

STEL = Short Term Exposure Limit

Physical Properties

Specific Gravity	1.20 g/cm ³ (at 20° C)
Boiling Point	101° C
Water Solubility	none
Melting Point	< 0° C

Safe Handling Procedures**Handling Precautions:** Keep away from children. Do not get in eyes, skin or on clothing. Wash thoroughly after handling. Avoid breathing vapors. Use only as directed; avoid uncontrolled mixing with other materials, esp. polymerizable or combustible materials.**Storage:** For maximum shelf life, store in cool dry area between 40° to 80° F. Do not store above 110° F. Keep away from heat, sparks, 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 of 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 vapors, use a NIOSH/OSHA air purifying system with an organic vapor cartridge.**Special Procedures:** Dispose of broken capsules.**Health Information****Signs and Symptoms of Exposure:** Inhalation can cause headache, nausea, dizziness, fatigue, and drowsiness. Severe exposure can cause respiratory and gastrointestinal irritation, lung damage, liver and kidney effects, nervous system effects and blood in urine.**Routes of Exposure:** Contact. Inhalation.**Medical Conditions Aggravated by Exposure:** Eye, skin and respiratory conditions.

Material Safety Data Sheet

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

Hazardous Polymerization: May occur with heat.

Incompatibility: Strong acids and oxidizing agents, amines and polymerization accelerators.

Decomposition Products: CO₂, CO and hydrocarbons

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: 50° F

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

Extinguishing Media: CO₂, 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: Vapors are heavier than air and may travel to ignition sources and flash back.

Hazardous products of combustion: Carbon monoxide, carbon dioxide, trace amount of sulfur 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: Polyester Resin Kit Class 3;

Label: Flammable Liquid 3

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

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

EPA Waste Code(s): D001

Waste Disposal Methods: If this material becomes a waste, it would not be hazardous waste by RCRA criteria (40CFR261). Dispose according to federal, state and local regulations. This product is a RCRA hazardous waste (D001-ignitable). Incineration preferred, or chemically activate and blend material as an inert adhesive system. Cured material can be dumped with domestic refuse.

Canadian regulations: WHMIS hazard classes: C

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

Canada: Max 8 hr exposure limit: 5 DBP mg/m³, STEL 10 mg/m³

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