

Safety Data Sheet



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OPTOCAST 3553 (-LV) Versions

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: OPTOCAST 3553 (-LV) Versions
GENERAL USE: Adhesive
CHEMICAL FAMILY: Mixture

MANUFACTURER
Electronic Materials, Inc.
1814 Airport Road
Breckenridge, CO 80424 USA
Emergency Contact: (970)547-0807

COMMENTS: To the best of our knowledge, this Safety Data Sheet conforms to the requirements of US OSHA 29 CFR 1910.1200, 91/155/EEC and Canadian Hazardous Products Act.

2. HAZARDS IDENTIFICATION

Hazard Classification	Signal Word	Hazard Statement	Pictogram
Skin Sensitizer 1	Warning	H315 H319	
Acute Toxicity 4	Warning	H302	
Eye Irritant 2 Skin Sensitizer 1 Aquatic Acute 1	Warning	H315 H317 H400	
Skin Irritant 2 Skin Sensitizer 1	Warning	H315 H319	

PHYSICAL APPEARANCE: Thin to thick liquid
COLOR: Transparent/Translucent
POTENTIAL HEALTH EFFECTS: May cause moderate eye and skin irritation
EYES: Mild irritation, redness, corneal scratches
SKIN: Mild irritation, redness, rash, blistering
INGESTION: Stomach upset, bad taste,
INHALATION: Minor irritation
CHRONIC EXPOSURE: Repeated exposure to skin can cause sensitization.
CHEMICALS LISTED AS CARCINOGEN OR POTENTIAL: None

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3. COMPOSITION/INFORMATION ON INGREDIENTS

Name:	CAS	% Composition
Epoxy Resin	2386-87-0	>50%
Ethylene Glycol	107-21-1	1-2.5%
Photoinitiator	108-32-7, 71449-78-0, 89452-37-9	1-2.5%
Epoxy Resin	68609-97-2	1-2.5%

4. FIRST AID MEASURES

EYES: Immediately flush eyes with plenty of water for two to three minutes. Remove any contact lenses and continue flushing for 15 minutes. Get immediate medical attention.
SKIN: Remove contaminated clothing including shoes and immediately wash affected area with plenty of soap and water. Seek immediate medical attention. Wash contaminated clothing and shoes before reuse.
INGESTION: Wash out mouth with water, keep at rest. Seek immediate medical attention. Do NOT induce vomiting unless directed to do so by medical personnel.
INHALATION: Remove from further exposure. Keep warm and at rest. If not breathing, give artificial respiration. If breathing is difficult, trained personnel should administer oxygen. Seek immediate medical attention.
Notes to Physician: No specific antidote. Treatment of exposure should be directed at the control of symptoms and the clinical condition of the patient.

5. FIRE FIGHTING MEASURES

FLASHPOINT AND METHOD: Not Tested
FLAMMABLE LIMITS: Not Available
AUTOIGNITION TEMPERATURE: Not Tested
FLAMMABLE CLASS: Nonflammable
FLAME PROPAGATION OR BURNING RATE OF SOLIDS: Unknown
GENERAL HAZARD: Evacuate personnel downwind of fire to avoid inhalation of irritating and/or harmful fumes and smoke.
EXTINGUISHING MEDIA: Alcohol resistant foam, CO₂ (Carbon Dioxide), Dry Chemical, Water Fog. Do not use direct water stream.
HAZARDOUS COMBUSTION PRODUCTS: May include, but are not limited to: Carbon monoxide, carbon dioxide, small amounts of hydrogen fluoride.
FIRE FIGHTING PROCEDURES: The product is a nonflammable substance. However, hazardous decomposition and combustion products may be formed in a fire situation. Cool exposed containers with water spray to prevent overheating.

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FIRE FIGHTING EQUIPMENT: Respiratory and eye protection are required for fire-fighting personnel. Full protective equipment (Bunker Gear) and self-contained breathing apparatus (SCBA) should be used for all indoor fires and any significant outdoor fires. For small outdoor fires, which may easily be extinguished with a portable fire extinguisher, use of a SCBA may not be required.

SENSITIVE TO STATIC DISCHARGE: No
SENSITIVITY TO IMPACT: Not Available

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL: Wearing the appropriate personal protective equipment designated in Section 8, move the leaking container to a containment area or rotate the container so that the opening is above the liquid level.
LARGE SPILL: Construct temporary dikes of dirt, sand, or any appropriate readily available material to prevent spreading of the material.

Wearing the appropriate personal protective equipment designated in Section 8, close or cap valves and/or block or plug hole in leaking container and transfer to another container.

Contain material as described above and call the local fire or police department for immediate emergency assistance.

ENVIRONMENTAL PRECAUTIONS

WATER SPILL: Use appropriate containment to avoid runoff or release to sewer or waterways.
LAND SPILL: Use appropriate containment to avoid runoff or release to ground.
GENERAL PROCEDURES: Remove containers of strong oxidizers and strong bases from release area.
RELEASE NOTES: If spill could potentially enter any waterway, including intermittent dry creeks, contact the local authorities. If in the U.S. contact the US COAST GUARD NATIONAL RESPONSE CENTER toll free number 800-424-8802.

In case of accident or road spill notify: CHEMTREC in USA at 800-424-9300; CANUTEC in Canada at 613-996-6666; CHEMTREC, other countries, at (International code) +1 703 527 3887

COMMENTS: See Section 13 for disposal information and Section 15 for regulatory requirements. Large and small spills may have a broad definition depending on the user's handling system. Therefore, the spill category must be defined at the point of release by technically qualified personnel.

7. HANDLING AND STORAGE

HANDLING: Use appropriate personal protective equipment as specified in Section 8. Handle in a well ventilated area.

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STORAGE: Handle and use in a manner consistent with good industrial/manufacturing techniques and practices.
Store in unopened containers under cool and dry conditions.
Do not store with, or close to oxidizers and bases.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

EXPOSURE GUIDELINES
OSHA HAZARDOUS COMPONENTS (29 CFR 1910.1200)
EXPOSURE LIMITS: None Established

ENGINEERING CONTROLS: If dust, vapors, or mists are generated, provide local exhaust ventilation to control airborne levels below the exposure limit.

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: Wear chemical splash goggles and face shield when eye and face contact is possible due to splashing or spraying of material.



SKIN: Where contact is likely, wear neoprene chemical resistant gloves, a chemical suit, rubber boots, chemical safety goggles and a face shield.



RESPIRATORY: Always wear NIOSH approved respiratory protective equipment when vapor or mists may exceed applicable concentration limits.
WORK HYGIENIC PRACTICES: Facilities storing or using this material should be equipped with an eyewash facility and a safety shower. Good personal hygiene practices should always be followed.

COMMENTS: No PEL's, TLVs or OEL's for this product or its ingredients are listed in the current issue of ACGIH's Guide to Occupational Exposure Values nor have they been determined by the manufacturer.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Liquid
ODOR: Characteristic
COLOR: Colorless
pH: Not Available
VAPOR PRESSURE: Not Available
VAPOR DENSITY: Not Available