

Safety Data Sheet



Date Issued: 1/2010
Date Revised: 5/15/2023
SDS2000all.011
Revision 11
Page 1 of 7

CHIPSHIELD 2000 SERIES

And all products containing CHIPSHIELD 2000 SERIES variations in the trade name, including viscosity variations, and others.

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: CHIPSHIELD 2000 SERIES, and all products containing CHIPSHIELD 2000 SERIES variations in the trade name, including viscosity variations, and others.
GENERAL USE: Adhesive
CHEMICAL FAMILY: Mixture

MANUFACTURER
Electronic Materials, Inc.
1814 Airport Road
Breckenridge, CO 80424
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	
Skin Irritant 2 Skin Sensitizer 1 Eye Irritant 2 Aquatic Chronic 2	Warning	H315 H317 H319 H411	
Eye Damage 1	Danger	H318	
Aquatic Acute 1 Aquatic Chronic 1	Warning	H400 H410	

PHYSICAL APPEARANCE: Thin to thick liquid
COLOR: Grey to Black
EMERGENCY OVERVIEW: May cause moderate eye and skin irritation.

POTENTIAL HEALTH EFFECTS

EYES: Mild irritation, redness, corneal scratches
SKIN: Mild irritation, redness, rash, blistering
INGESTION: Stomach upset, bad taste.

Safety Data Sheet



Date Issued: 1/2010
Date Revised: 5/15/2023
SDS2000all.011
Revision 11
Page 2 of 7

INHALATION:
CHRONIC EXPOSURE:
CHEMICALS LISTED AS
CARCINOGEN OR POTENTIAL:

Minor irritation
Repeated exposure to skin can cause sensitization
None

3. COMPOSITION / INFORMATION ON INGREDIENTS

Name:	CAS	% Composition
Epoxy Resin	2386-87-0	10-25%
Epoxy Resin	25085-99-8	5-10%
[3-(2,3-epoxypropoxy)propyl]trimethoxysilane	2530-83-8	1-2.5%
Reaction mass of 2-hydroxyoctadec-9-enoate and 2,3-dihydroxypropyl 12-hydroxyoctadec-9-enoate	106-17-2, 1323-38-2	0.1-1.0%

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

Safety Data Sheet



Date Issued: 1/2010
Date Revised: 5/15/2023
SDS2000all.011
Revision 11
Page 3 of 7

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: This 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. 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.
FIRE FIGHTING EQUIPMENT: No.
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.

Safety Data Sheet



Date Issued: 1/2010
Date Revised: 5/15/2023
SDS2000all.011
Revision 11
Page 4 of 7

COMMENTS:

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.
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: SKIN: Where contact is likely, wear neoprene chemical resistant gloves, a chemical suit, rubber boots, chemical safety goggles and a face shield.
RESPIRATORY: RESPIRATORY: Always wear NIOSH approved respiratory protective equipment when vapor or mists may exceed applicable concentration limits.
WORK HYGIENIC PRACTICES: WORK HYGIENIC PRACTICES: Facilities storing or using this material should be equipped with an eyewash facility and a safety

