

Safety Data Sheet

Product Name: Maxim Fast Set Epoxy Adhesive Cartridge

Product identifier: 100812

Revision Date: 08-19-2016

Replaces:

EVERCOAT®

1. Identification

Product identifier used on the label:

Product Name: Maxim Fast Set Epoxy Adhesive Cartridge

Product identifier: 100812

Other means of identification

Synonyms: No data available

Recommended use of the chemical and restrictions on use: Epoxy Adhesive

Name, address, and telephone number of the chemical manufacturer, importer, or other responsible party

Chemical Manufacturer /
Importer / Distributor: ITW Evercoat
a division of Illinois Tool Works Inc.
6600 Cornell Road
Cincinnati, OH 45242
513-489-7600

Emergency phone number: CHEMTREC: 1-800-424-9300
CANUTEC: 1-613-996-6666

2. Hazard(s) identification

Classification of the chemical in accordance with paragraph (d) of §1910.1200;

GHS Hazard
Symbols:



GHS Classification: Skin Corrosion/Irritation Category 1B
Serious Eye Damage/Eye Irritation Category 1
Skin Sensitisation Category 1
Carcinogenicity Category 1A

GHS Signal Word: Danger

GHS Hazard Statements: Causes severe skin burns and eye damage.
May cause an allergic skin reaction.
May cause cancer.

GHS Precautionary Statements:

Safety Precautions: Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.

Safety Data Sheet

Product Name: Maxim Fast Set Epoxy Adhesive Cartridge

Product identifier: 100812

Revision Date: 08-19-2016

Replaces:

First Aid Measures:

Do not breathe dust/fume/gas/mist/vapours/spray.
Avoid breathing dust/fume/gas/mist/vapours/spray.
Wash thoroughly after handling.
Contaminated work clothing should not be allowed out of the workplace.
Wear protective gloves/protective clothing/eye protection/face protection.
IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
IF ON SKIN: Wash with plenty of soap and water.
IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing.
Rinse skin with water/shower.
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
IF exposed or concerned: Get medical advice/attention.
Immediately call a POISON CENTER/doctor
Specific treatment (see on this label).
If skin irritation or rash occurs: Get medical advice/attention.
Wash contaminated clothing before reuse.

Storage:

Store locked up.

Disposal:

Dispose of contents/container in accordance with local/regional/national/international regulation for hazardous wastes.

Hazards not otherwise classified:

No data available

3. Composition/information on ingredients

Chemical Component:	CAS number and other unique identifiers	% (or range) of ingredient
n-Aminoethylpiperazine	140-31-8	7 - 15
2,4,6-Tris[(Dimethylamino) Methyl] Phenol	90-72-2	1 - 5
Crystalline Silica (Quartz)	14808-60-7	0.1 - 1

The specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

4. First-aid measures

Description of necessary measures, subdivided according to the different routes of exposure, i.e., inhalation, skin and eye contact, and ingestion:

Safety Data Sheet

Product Name: Maxim Fast Set Epoxy Adhesive Cartridge

Product identifier: 100812

Revision Date: 08-19-2016

Replaces:

Eye Contact:	Use an eye wash to remove a chemical from your eye regardless of the level of hazard. Flush the affected eye for at least twenty minutes. Tilt the head to prevent chemical from transferring to the uncontaminated eye. Seek medical advice after flushing. Flush eyes gently with water for at least 15 minutes, lifting upper & lower eye lids. Seek immediate medical attention.
Skin Contact:	Wash with soap and water. Get medical attention if irritation develops or persists. Remove contaminated clothing and continue flushing with water. Wash affected area thoroughly with soap and water. Seek medical advice if symptoms persist
Inhalation:	Remove to fresh air. If breathing is difficult, have a trained individual administer oxygen. Remove person to fresh air. Seek immediate medical attention. If the victim has stopped breathing open airway, loosen collar and belt, and administer artificial respiration.
Ingestion:	Minimal risk of harm if swallowed. Do not induce vomiting. Seek medical attention immediately. Provide medical care provider with this MSDS. Call a physician or poison control center immediately. Do not induce vomiting unless directed to do so by medical personnel.

Most important symptoms/effects, acute and delayed:

Most important symptoms/effects (Acute): No data available

Most important symptoms/effects (Delayed): Prolonged or repeated exposure may cause asthma and skin sensitization or other allergic response.

Indication of immediate medical attention and special treatment needed, if necessary: No additional first aid information available

5. Fire-fighting measures

Suitable (and unsuitable) extinguishing media:

Suitable extinguishing media: Use alcohol resistant foam, carbon dioxide, dry chemical, or water spray when fighting fires. Water or foam may cause frothing if liquid is burning but it still may be a useful extinguishing agent if carefully applied to the fire. Do not direct a water stream directly into the hot burning liquid. Regular foam Carbon dioxide Dry chemical

Unsuitable extinguishing media: No data available

Specific hazards arising from the chemical (e.g., nature of any hazardous combustion products):

Fire and/or Explosion Material may be ignited if preheated to temperatures above the

Safety Data Sheet

Product Name: Maxim Fast Set Epoxy Adhesive Cartridge

Product identifier: 100812

Revision Date: 08-19-2016

Replaces:

Hazards:	flash point in the presence of a source of ignition.
Hazardous Combustion Products:	Carbon dioxide, Carbon monoxide, Ammonia, Nitrogen containing gases, oxide gas, Phenolic compounds, Hydrogen sulfide
Special protective equipment and precautions for fire-fighters:	Do not enter fire area without proper protection including self-contained breathing apparatus and full protective equipment. Fight fire from a safe distance and a protected location due to the potential of hazardous vapors and decomposition products. Water may be used to cool closed containers to prevent pressure build-up and possible auto ignition or explosion when exposed to extreme heat. Wear a self contained breathing apparatus (NIOSH approved) with a full face piece operated in the positive pressure demand mode with appropriate turn-out gear and chemical resistant personal protective equipment.

6. Accidental release measures

Personal precautions, protective equipment, and emergency procedures:	No health affects expected from the clean-up of this material if contact can be avoided. Follow personal protective equipment recommendations found in Section VIII of this MSDS
Methods and materials for containment and cleaning up:	No special spill clean-up considerations. Collect and discard in regular trash. Shut off ignition sources; including electrical equipment and flames. Do not allow smoking in the area. All personnel in the area should be protected as in Section 8. Avoid breathing vapors. Use an inert absorbent such as sand or vermiculite. Place in properly labeled closed container.

7. Handling and storage

Precautions for safe handling:	Mildly irritating material. Avoid unnecessary exposure. All hazard precautions given in the data sheet must be observed. Do not get in eyes, on skin and clothing Wash hands before eating Use with adequate ventilation Avoid contact with material, avoid breathing dusts or fumes, use only in a well ventilated area. Do not take internally. Keep out of the reach of children.
Conditions for safe storage, including any incompatibilities	
Conditions for safe storage:	Store in a cool dry place. Isolate from incompatible materials. Store in a cool dry place Keep away from heat, sparks, and flame Avoid contact with incompatible materials.
Materials to Avoid/Chemical Incompatibility:	Oxidizing materials Acids Caustics (bases)

Safety Data Sheet

Product Name: Maxim Fast Set Epoxy Adhesive Cartridge

Product identifier: 100812

Revision Date: 08-19-2016

Replaces:

8. Exposure controls/personal protection

OSHA permissible exposure limit (PEL), American Conference of Governmental Industrial Hygienists (ACGIH) Threshold Limit Value (TLV), and any other exposure limit used or recommended by the chemical manufacturer, importer, or employer preparing the safety data sheet, where available:

Chemical Component	OSHA PEL	ACGIH TLV-TWA	ACGIH STEL
No data available	No data available	No data available	No data available

Appropriate engineering controls:

No exposure limits exist for the constituents of this product. General room ventilation might be required to maintain operator comfort under normal conditions of use. General or local ventilation or isolation may prove adequate to keep airborne exposures below exposure limits. Explosion proof exhaust ventilation should be used.

Individual protection measures, such as personal protective equipment:

Eye Protection:

Wear safety glasses when handling this product. Splash proof chemical goggles are recommended to protect against the splash of product.

Skin Protection:

Not normally considered a skin hazard. Where use can result in skin contact, practice good personal hygiene and wear a barrier cream and/or impervious surgical style gloves. Wash hands and other exposed areas with mild soap and water before eating, drinking, and when leaving work. Protective gloves and proper clothing should be worn to prevent skin contact.

Respiratory Protection:

No respiratory protection required under normal conditions of use. Provide general room exhaust ventilation if symptoms of overexposure occur as explained Section III. A respirator is not normally required. Use a NIOSH approved respirator designed to remove particulate matter and organic solvent vapors.

Other Protective Equipment:

Splash proof chemical goggles are recommended to protect against the splash of product. Protective gloves and proper clothing should be worn to prevent skin contact.

9. Physical and chemical properties

Appearance (physical state, color, etc.):

Appearance (physical state):

Paste

Color:

Black

Odor:

No data available

Odor threshold:

No data available

pH:

No data available

Melting Point/Freezing Point (°C):

No data available

Initial Boiling Point and Boiling Range (°C):

181

Flash Point (°C):

No data available

Safety Data Sheet

Product Name: Maxim Fast Set Epoxy Adhesive Cartridge

Product identifier: 100812

Revision Date: 08-19-2016

Replaces:

Evaporation Rate:	No data available
Flammability (solid, gas):	No data available
Upper/lower flammability or explosive limits:	
Upper Flammable/Explosive Limit (%):	6.5
Lower Flammable/Explosive Limit (%):	1.6
Vapor Pressure:	No data available
Vapor Density:	Heavier than air. Vapors that evolve from this product will tend to settle and accumulate near the floor.
Relative Density:	Not determined
Solubility(ies):	Insoluble
Partition coefficient: n-octanol/water:	1.36
Auto-ignition Temperature (°C):	No data available
Decomposition Temperature:	No data available
Viscosity:	No data available
VOC (as packaged-less exempts and water):	0.74 lbs/gal or 88 g/L
VOC (as applied* - 2% by wt hardener- less exempts and water):	0.74 lbs/gal or 88 g/L
Percent Solids by weight – as packaged:	93.20
Percent Solids by weight – as applied* - 2% by wt hardener:	93.20

10. Stability and reactivity

Reactivity:	No data available
Chemical stability:	Stable under normal conditions.
Possibility of hazardous reactions:	No data available
Conditions to avoid (e.g., static discharge, shock, or vibration):	Temperatures above the high flash point of this combustible material in combination with sparks, open flames, or other sources of ignition. Contamination
Incompatible materials:	Oxidizing materials Acids Caustics (bases)
Hazardous decomposition products:	Carbon dioxide Carbon monoxide Ammonia oxides of nitrogen Phenolic compounds Hydrogen sulfide

11. Toxicological information

Safety Data Sheet

Product Name: Maxim Fast Set Epoxy Adhesive Cartridge

Product identifier: 100812

Revision Date: 08-19-2016

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Information on the likely routes of exposure (inhalation, ingestion, skin and eye contact): Ingestion, Skin contact, Eye contact, Absorption

Symptoms related to the physical, chemical and toxicological characteristics: No data available

Delayed and immediate effects and also chronic effects from short- and long-term exposure:

Immediate (Acute) Health Effects by Route of Exposure:

Inhalation Irritation: Can cause minor respiratory irritation, dizziness, weakness, fatigue, nausea, and headache. Excessive inhalation of vapors may cause nasal and respiratory irritation, acute nervous system depression, fatigue, weakness, nausea, headache and dizziness.

Skin Contact: Can cause minor skin irritation, defatting, and dermatitis.

Skin Absorption: No absorption hazard in normal industrial use. Contact may cause irritation and possible dermatitis or sensitization.

Eye Contact: Can cause minor irritation, tearing and reddening. Contact with liquid or vapor may result in irritation, redness, tearing, and blurred vision.

Ingestion Irritation: Mildly irritating to mouth, throat, and stomach. Can cause abdominal discomfort. Causes gastrointestinal tract irritation, nausea, vomiting, diarrhea and possible ulcerations to mucous membranes. Aspiration of material into the lungs can cause chemical pneumonitis which can be fatal.

Ingestion Toxicity:

Long-Term (Chronic) Health Effects:

Carcinogenicity: May cause cancer. The IARC has classified crystalline silica as a group 1 carcinogen (sufficient evidence of carcinogenicity in humans).

Reproductive and Developmental Toxicity: No data available to indicate product or any components present at greater than 0.1% may cause birth defects.

Mutagenicity: No data available to indicate product or any components present at greater than 0.1% is mutagenic or genotoxic.

Inhalation: Upon prolonged and/or repeated exposure, can cause minor respiratory irritation, dizziness, weakness, fatigue, nausea, and headache.

Skin Contact: Upon prolonged or repeated contact, can cause minor skin irritation, defatting, and dermatitis.

Skin Absorption: Upon prolonged or repeated exposure, no hazard in normal industrial use.

Numerical measures of toxicity (such as acute toxicity estimates)

Component Toxicology Data

Chemical Component	Oral LD50	Dermal LD50	Inhalation LC50
n-Aminoethylpiperazine	Oral LD50 Rat 2140 mg/kg		
2,4,6-Tris[(Dimethylamino) Methyl] Phenol	Oral LD50 Rat 1200 mg/kg		

Safety Data Sheet

Product Name: Maxim Fast Set Epoxy Adhesive Cartridge

Product identifier: 100812

Revision Date: 08-19-2016

Replaces:

Whether the hazardous chemical is listed in the National Toxicology Program (NTP) Report on Carcinogens (latest edition) or has been found to be a potential carcinogen in the International Agency for Research on Cancer (IARC) Monographs (latest edition), or by OSHA

Chemical Name	OSHA Carcinogen	IARC Carcinogen	NTP Carcinogen
Crystalline Silica (Quartz)	Y	Y	Y

12. Ecological information

Ecotoxicity (aquatic and terrestrial, where available):	Harmful to aquatic life with long lasting effects. This material is toxic to aquatic organisms and should not be released to sewage, draining systems or any body of water exceeding concentrations of approved limits under applicable regulations and permits.
Persistence and degradability:	No data available
Bioaccumulative potential:	No data
Mobility in soil:	No data available
Other adverse effects (such as hazardous to the ozone layer):	No data available

Ecological Toxicity Data

Chemical Component	Aquatic EC50 Crustacea	Aquatic ERC50 Algae	Aquatic LC50 Fish
No data available			

13. Disposal considerations

Description of waste residues and information on their safe handling and methods of disposal, including the disposal of any contaminated packaging

Description of waste residues:	Spent or discarded material may be a hazardous waste.
Safe Handling of Waste:	This material as supplied, if discarded, would be regulated as a hazardous waste under RCRA (40 CFR 261).
Waste treatment methods (including packaging):	Dispose of by incineration following Federal, State, Local, or Provincial regulations.

14. Transport information

UN number:	No data available
UN proper shipping name:	Not Regulated
Transport hazard class(es):	No data available
Packing group:	No data available

The shipper is responsible for following all applicable regulations. The transportation classification provided is based on ITW Evercoat original packaging, which is suitable for domestic ground transport only.

Safety Data Sheet

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Product identifier: 100812

Revision Date: 08-19-2016

Replaces:

15. Regulatory information

Safety, health and environmental regulations specific for the product in question

TSCA Status: All components in this product are on the TSCA Inventory.

Regulated Components

Chemical Component	CAS number and other unique identifiers	CERCLA	SARA EHS	SARA 313	California Prop 65
Crystalline Silica (Quartz)	14808-60-7	N	N	N	Y
Phenol	108-95-2	N	N	Y	N

16. Other information, including date of preparation or last revision.

Revision Date: 08-19-2016

Revision Number: 11

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