TSC Sealing Compound

Safety Data Sheet

EATON CROUSE-HINDS SERIES

IF 1919

SAVE THESE INSTRUCTIONS FOR FUTURE REFERENCE

SECTION 1: PRODUCT & COMPANY IDENTIFICATION

Chemical Product Name: TSC Sealing Compound, Epoxy Putty, Crouse-Hinds Epoxy Stick
Product Description: Sealing compound, epoxy stick
CAS Number: Mixture of 25068-38-6, 90-72-2, and 14807-96-6
Synonyms: NA
Recommended Use(s): Epoxy putty that, when applied and cured, provides an effective seal for cable fitting and electrical connectors
Company Information: Eaton Electrical (Australia) Pty Ltd
10 Kent Road
Mascot, NSW 2020
Telephone: 1300 332 866
Emergency Phone: 131 126

SECTION 2: HAZARDS IDENTIFICATION

OSHA HCS Status: This product is a hazardous chemical, as defined by OSHA at 29 CFR 1910.1200. Hazards identified are based on hazards of the ingredients. This product has not been fully tested.

Relevant Route of Exposure/Target Organs: Eyes, dermal

OSHA/GHS Signal Word and Hazard Statements:

WARNING: Causes skin irritation. May cause an allergic skin reaction. Causes eye irritation.

OSHA/GHS Classification and Pictograms:

Skin irritation	Category 2
Skin sensitization	Category 1
Eye irritation	Category 2B

OSHA/GHS Precautionary Statements:

Prevention: Avoid breathing dust or fumes. Wash hands thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves. Use personal protective equipment as required.

Response: If on skin: Wash with plenty of soap and water. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If skin irritation or rash occurs: Get medical advice/attention. If eye irritation persists: Get medical advice/attention. Take off contaminated clothing and wash before re-use. Wash contaminated clothing before re-use.

Disposal: Dispose of contents/container in accordance with local/regional/national/international regulations.

GHS Hazard and Precautionary Statement Codes: See Section 16.
Hazards Not Otherwise Specified: Not known.

SECTION 3: COMPOSITION & INFORMATION ON INGREDIENTS

Component	CAS #	%
Reaction product: bisphenol-A-(epichlorhydrin) and epoxy resin	25068-38-6	5-10
Phenol, 2,4,6-tris[(dimethylamino)methyl]-	90-72-2	1-5
Talc (not containing asbestiform fibers of respirable crystalline silica)	14807-96-6	0.1-5

SECTION 4: FIRST AID MEASURES

Eye Contact: Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes.

Skin Contact: Wash with plenty of soap and water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Get medical attention. In the event of any complaints or symptoms, avoid further exposure. Wash clothing before re-use. Clean shoes thoroughly before re-use.

Inhalation: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing, such as collar, tie, belt or waistband. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.

Ingestion: Wash out mouth with water. Remove dentures, if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick, as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Loosen tight clothing, such as collar, tie, belt or waistband.

Notes to Physician: In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under surveillance for 48 hours.

Most Important Symptoms/Effects: Causes eye and skin irritation.

Indication of Immediate Medical Attention and Special Treatment Needed: Skin or eye irritation.

SECTION 5: FIRE FIGHTING MEASURES

Special Fire Fighting Procedures: No unusual fire hazards.

Extinguishing media: Use media appropriate for surrounding fire.

Protective Equipment: Firefighters should wear a NIOSH approved, full face piece self-contained breathing apparatus (SCBA) operated in positive pressure mode and full turnout or bunker gear with additional chemical protective clothing as necessary to protect against thermal decomposition products.

Unusual Fire or Explosion Hazards: Water may be used to keep fire-exposed containers cool and knock down vapors. Mists and sprays may be flammable at temperatures below normal flash point. No unusual fire hazards. If there is a fire, promptly isolate the scene by removing all persons from the vicinity of the incident. No action shall be taken involving any personal risk or without suitable training.

Hazardous Combustion Products: Not flammable. Thermal decomposition may produce carbon dioxide, carbon monoxide, nitrogen oxides, sulfur oxides, halogenated compounds and metal oxide/oxides.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Protection: No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment. If specialized clothing is required to deal with the spillage, take note of information in Section 8 on suitable and unsuitable materials. See also information in "for non-emergency personnel."

Spill Procedures: Small spill: Move containers from spill area. Avoid dust generation. Do not dry sweep. Vacuum dust with equipment fitted with a HEPA filter and place in a closed, labeled waste container. Dispose of via a licensed waste disposal contractor. See Section 1 for emergency contact information and Section 13 for waste disposal.

Large Spill: Move containers from spill area. Approach release from upwind. Prevent entry into sewers, waterways, basements and confined areas. Avoid dust generation. Do not dry sweep. Vacuum dust with equipment fitted with a HEPA filter and place in a closed, labeled waste container. Dispose of waste via a licensed waste disposal contractor. See Section 1 for emergency contact information and Section 13 for waste disposal.

Environmental Precautions and Clean-up Methods: Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

SECTION 7: HANDLING & STORAGE

Precautions: Put on appropriate personal protective equipment (see Section 8). Persons with a history of skin sensitization problems should not work in or near any process in which this product is used. Avoid exposure – obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not get in eyes, on skin or on clothing. Do not ingest. If, during normal use, the material presents a respiratory hazard, use only with adequate ventilation or wear appropriate respirator. Keep in the original container or an approved alternate made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse containers.

Storage: Do not store above 35°C (95°F). Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well ventilated area, away from incompatible materials (see Section 10). Store away from food and drink. Store locked up. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

Advice on General Occupational Hygiene: Eating, drinking and smoking is prohibited in areas where this material is handled, stored and processed. Employees must wash hands and face before eating, drinking or smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

SECTION 8: EXPOSURE CONTROLS & PERSONAL PROTECTION

Engineering Controls/Ventilation: If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation, or other engineering controls to keep worker exposure to airborne contaminants below recommended and statutory limits.

Eye Protection: Safety eyewear complying with an approved standard must be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following should be worn unless the assessment indicates a higher degree of protection: safety glasses with side shields.

Respiratory Protection: Use a properly fitted particulate filter respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the respirator.

Skin Protection: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling this or any chemical product, if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to break through for any glove material may be different for different glove manufacturers. In the case of mixtures containing several substances, the protection time of the gloves cannot be accurately estimated.

COMPONENT	% Weight	OSHA/PEL	ACGIH/TLV
Reaction product: bisphenol-A-(epichlorhydrin) and epoxy resin	5-10	None established	None established
Phenol, 2,4,6-tris [(dimethylamino)methyl]-	1-5	None established	None established
Talc (containing non-respirable crystalline silica)	0.1-5	Talc: 20 mppcf(1) Crystalline silica Respirable: 250/%Si02 +5 (mppcf) 10 mg/ m3/%Si02+2 (mg/m3) NIOSH 0.05 mg/m3 OSHA proposed: 50 ug/ m3 (1) Millions of particles per cubic foot of air, based on impinger samples counted by light-field techniques.	0.025 mg/m3 (Respirable)

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

- **Color:** Blue-yellow
- **Physical form:** Solid
- **Odor:** Pungent
- **Odor Characteristics:** Not Known
- **Odor Threshold:** Not Known
- **pH (undiluted):** Not Known
- **Flash Point:** >93.3°C (>199.9°F) [Setaflash] Product does not sustain combustion
- **Flammability (Solid, Gas):** Flammable in the presence of the following materials or conditions: open flames, sparks and static discharge
- **Boiling Point:** Not Known
- **Evaporation Rate:** Not Known
- **Melting Point:** Not Known
- **Lower Explosive Limit:** Not Known
- **Upper Explosive Limit:** Not Known
- **Vapor Pressure:** Not Known
- **Vapor Density:** Not Known
- **Specific Gravity:** 1.894
- **Solubility:** Not Known
- **Auto-ignition Temperature:** Not Known
- **Decomposition Temperature:** Not Known
- **Voltatile:** <0.1%

SECTION 10: STABILITY & REACTIVITY

Stability: Stable under normal use and storage conditions.

Hazardous polymerization: Not available

Oxidizing Properties: None known

Hazardous Decomposition Products: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Incompatibilities: Not available

SECTION 11: TOXICOLOGY INFORMATION

Acute toxicity and immediate effects:

Oral LD50 (rat): Phenol,2,4,6-tris[(dimethylamino)methyl] - 1280 mg/kg;

Dermal LD50 (rabbit): 3348.7 mg/kg

Irritation/Corrosion: See table below.

Ingredient	Effects	Species	Exposure
Phenol, 2,4,6-tris[(dimethylamino)methyl]-	Eyes – Severe irritant	Rat	24 hours, 50 ug
	Skin – Mild irritant	Rat	0.025 ml
	Skin – Severe irritant	Rat	0.25 ml
reaction product: bisphenol-A-(epichlorhydrin): epoxy resin	Skin – Severe irritant	Rabbit	24 hours, 2 mg
	Eyes – Mild irritant	Rabbit	100 mg
	Eyes – Moderate irritant	Rabbit	24 hours, 500 ul
	Skin – Severe irritant	Rabbit	24 hours, 2 mg

Delayed and chronic effects: May cause an allergic skin reaction.

Carcinogenicity: Silica dust, crystalline, in the form of quartz or cristobalite is classified as an IARC Category I carcinogen. Category I indicates that silica dust is known to be carcinogenic to humans. The silica dust, crystalline is non-respirable, and therefore not categorized as carcinogenic.

Mutagenicity: No data is available for this material.

Reproductive toxicity: No data is available for this material.

Sensitization: No data is available for this material.

Teratogenicity: Not available

Specific Target Organ – Single Exposure: Not available

Specific Target Organs – Repeated Exposure: Not available

Aspiration Hazard: Not available

SECTION 12: ECOLOGICAL INFORMATION

Numerical measures of toxicity: No data available

Persistence and degradability: No data available

Toxicity to Fish: Not data available

Ecotoxicological Information: Not data available

Chemical Fate Information: Not data available

Ingredient	LogPow	Bioconcentration Factor (BCF)	Potential
Reaction product: bisphenol-A-(epichlorhydrin) and epoxy resin	2.64 to 3.78	31	Low
Phenol, 2,4,6-tris[(dimethylamino)methyl]-	0.29	-	Low

SECTION 13: DISPOSAL CONSIDERATIONS

The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and by-products should, at all times, comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

SECTION 14: TRANSPORT INFORMATION

Proper Shipping Name: Not classified as hazardous by DOT, IATA/ICAO and IMO.
Hazard Class: Not classified as hazardous by DOT, IATA/ICAO and IMO.
Packing Group: Not classified as hazardous by DOT, IATA/ICAO and IMO.
UN Number: Not classified as hazardous by DOT, IATA/ICAO and IMO.

SECTION 15: REGULATORY INFORMATION

TSCA Inventory Status: All ingredients are listed on the TSCA inventory.
SARA Section 311/312 Hazard Categories: Immediate (acute) and delayed (chronic) hazards.
Section 313 Toxic Chemicals: This product does not contain ingredients subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-To-Know Act (EPCRA) of 1986 and 40 CFR 372.
CERCLA RQ: This product does not contain ingredients subject to the reporting requirements of SARA 304 (CERCLA) and 302 (EHS).
California Proposition 65: This product contains Silica, crystalline, which is known to the State of California to cause cancer.

SECTION 16: OTHER INFORMATION

Revision Number: Revision 11
Revision Date: August 2020
Explanation of EU Directive 1272/2008 Codes

- P261 Avoid breathing dust/fume/gas/mist/vapors/spray.
- P264 Wash hands thoroughly after handling.
- P272 Contaminated work clothing should not be allowed out of the workplace.
- P280 Wear protective gloves.
- P281 Use personal protective equipment as required.
- P302 + P352 If on skin: Wash with plenty of soap and water.
- P305 + P351 + P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P333 + P313 If skin irritation or rash occurs: Get medical advice/attention.
- P337 + P313 If eye irritation persists: Get medical advice/attention.
- P362 Take off contaminated clothing and wash before re-use.
- P363 Wash contaminated clothing before re-use.
- P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Abbreviations

CAS Chemical Abstracts Service
CERCLA Comprehensive Environmental Response Compensation and Liability Act
CFR US Code of Federal Regulations
GHS Globally Harmonized System
HCS Hazard Communication Standard
HSIS Australia Hazardous Substance Information System
IARC International Agency for Research on Cancer
LD50 Lethal Dose to 50% of Exposed Laboratory Animals
NA Not Available
NIOSH US National Institute of Occupational Safety and Health
NOEC No Observed Effect Concentration
NTP US National Toxicology Program
OSHA US Occupational Safety Health Administration
PEL Permissible Exposure Limit
RQ Reportable Quantity
SARA Superfund Amendments and Reauthorization Act
STEL Short Term Exposure Limit
TSCA Toxic Substances Control Act
TWA Time Weighted Average
UN United Nations

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