Smith Paint Products

Safety Data Sheet

Section 1 - Chemical Product and Company Information

Product Name: Smith's Epoxy Hardener Regular Cure Part B **Product Code:** SCS-EP100-B

Trade Name: Epoxy Hardener - Regular Cure (for Epoxy U100 / Epoxy GEL150 / Epoxy SLS100 / Thixo'75)

Manufactured by:
Smith Paint Products
2200 Paxton Street
Harrisburg, PA 17111
(800) 466-8781

Chemtrec
2900 Fairview Park Drive
Falls Church, VA 22042-4513
(800) 262-8200

Emergency Hot Line:
(800) 424-9300

Section 2 - Hazards Identification

GHS Ratings:

Oral Toxicity	4	Oral>300+<=2000mg/kg
Skin corrosive	1A	Destruction of dermal tissue: Exposure < 3 min. Observation < 1 hour, visible necrosis in at least one animal
Eye corrosive	1	Serious eye damage: Irreversible damage 21 days after exposure, Draize score: Corneal opacity >= 3, Iritis > 1.5
Skin sensitizer	1	Skin sensitizer
Reproductive toxin	1B	Presumed, Based on experimental animals

GHS Hazards

H302	Harmful if swallowed
H314	Causes severe skin burns and eye damage
H317	May cause an allergic skin reaction
H318	Causes serious eye damage
H360	May damage fertility or the unborn child

GHS Precautions

P201	Obtain special instructions before use
P202	Do not handle until all safety precautions have been read and understood
P260	Do not breathe dust/fume/gas/mist/vapours/spray
P261	Avoid breathing dust/fume/gas/mist/vapours/spray
P264	Wash … thoroughly after handling
P272	Contaminated work clothing should not be allowed out of the workplace
P280	Wear protective gloves/protective clothing/eye protection/face protection
P281	Use personal protective equipment as required
P310	Immediately call a POISON CENTER or doctor/physician
P321	Specific treatment (see … on this label)
P363	Wash contaminated clothing before reuse
P301+P330+P331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting
P302+P352	IF ON SKIN: Wash with soap and water

P303+P361+P353	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
P304+P340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
P305+P351+P338	IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing
P308+P313	IF exposed or concerned: Get medical advice/attention
P333+P313	If skin irritation or a rash occurs: Get medical advice/attention
P405	Store locked up
P501	Dispose of in accordance with all applicable local, state and federal regulations.

Signal Word: Danger

Section 3 - Composition/Information on Ingredients

Chemical Name	CAS number	Weight Concentration %
4-tert-Butylphenol	98-54-4	20.00% - 30.00%
Cyclohexane-1,3-diyldimethanamine	2579-20-6	10.00% - 20.00%
Benzyl Alcohol	100-51-6	10.00% - 20.00%
Isophorone Diamine	2855-13-2	10.00% - 20.00%
2-methyl-1,5-pentanediamine	15520-10-2	10.00% - 20.00%
Nonylphenol	84852-15-3	5.00% - 10.00%
	Inert	5.00% - 10.00%

Section 4 - First Aid Measures

Inhalation: Move exposed person to fresh air. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. Keep person warm and at rest. 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. If unconscious, place in recovery position and seek immediate medical attention. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Eye Contact: Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Chemical burns must be treated promptly by a physician. Get medical attention immediately.

Skin Contact: Flush contaminated skin with plenty of 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. Chemical burns must be treated promptly by a physician. In the event of any complaints or symptoms, avoid further exposure. Wash clothing before reuse. Clean shoes thoroughly before reuse. Get medical attention immediately.

Ingestion: Wash out mouth with water. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention immediately.

Notes to Physician: No specific treatment. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

Section 5 - Fire Fighting Measures

Flash Point: 113°C (235°F)
LEL: 1.00 **UEL:**
Flammability of the product: In a fire or if heated, a pressure increase will occur and the container may burst.

Suitable Extinguishing Media: Use an extinguishing agent suitable for the surrounding fire.

Not Suitable Extinguishing Media: Do not use water jet.

Special exposure hazards: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

Hazardous combustion products: No specific data.

Special protective equipment for fire-fighters: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Section 6 - Accidental Release Measures

Personal precautions: 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. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment (see section 8).

Environmental precautions: 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).

Small spill: Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble or absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

Large spill: Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product.
NOTE: see section 1 for emergency contact information and section 13 for waste disposal.

Section 7 - Handling and Storage

Handling Precautions: Put on appropriate personal protective equipment (see section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not ingest. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

Storage Requirments: 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) and food and drink. 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.

Section 8 - Exposure Controls / Personal Protection

Chemical Name / CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
4-tert-Butylphenol 98-54-4	No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen.	No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen.	No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen.
Cyclohexane-1,3-diyldimethanamine 2579-20-6	Not Established	Not Established	Not Established
Benzyl Alcohol 100-51-6	Not Established	Not Established	Not Established
Isophorone Diamine 2855-13-2	Not Established	Not Established	Not Established
2-methyl-1,5-pentanediamine 15520-10-2	Not established.	Not established.	Not established.
Nonylphenol 84852-15-3	Not Established	Not Established	Not Established
Inert	Not Established	Not Established	Not Established

Engineering Controls: Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

Hygiene measures: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Environmental exposure controls: Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation.In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

Respiratory Protection: Use a properly fitted, air-purifying or air-fed 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 selected respirator.

Hand Protection: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.
Material of gloves for long term application (BTT>480min):

- butyl rubber
- ethyl vinyl alcohol laminate (EVAL)
- gauntlet type

Material of gloves for short term/splash application (10min<BTT<480min):

- nitrile rubber
- gauntlet type

Eye Protection: Safety eye wear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists or dusts.

Skin Protection: Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Section 9 - Physical and Chemical Properties

This mixture typically exhibits the following properties under normal circumstance:

Vapor Pressure: 1.3 hPa @ 20°C	**Odor threshold:** Not Determined
Vapor Density: 5.3	**Specific Density:** 0.98
Melting point: Not Determined	**Freezing point:** Not Determined
Solubility: Not Determined	**Boiling range:** 192° to 290°C
Flash point: 235°F or 113°C	**Evaporation rate:** Not applicable
Flammability: Not Applicable	**Explosive Limits:** Not Determined
Partition coefficient (n-octanol/water): Not Determined	**Autoignition temperature:** 350°C
Decomposition temperature: Not Determined	**Grams VOC less water:** 0
Appearance Liquid	

Section 10 - Stability and Reactivity

Stability: The product is stable. Under normal conditions of storage and use, hazardous polymerization will not occur.
STABLE

Incompatibilities/Condidtions to avoid: Strong oxidizer, Keep away from heat, sparks, flame and other ignition sources. Strong oxidizing agents.

Hazardous decomposition products: Under normal conditions of storage and use, hazardous decomposition products should not be produced. Decomposition products may include the following materials: carbon monoxide, oxides of nitrogen.

Hazardous polymerization will not occur.

Section 11 - Toxicological Information

Mixture Toxicity

Oral Toxicity LD50: 1,083mg/kg
Inhalation Toxicity LC50: 23mg/L

Component Toxicity

98-54-4	4-tert-Butylphenol Oral LD50: 2,000 mg/kg (Rat)
2579-20-6	Cyclohexane-1,3-diyldimethanamine Oral LD50: 300 mg/kg (Rat)
15520-10-2	2-methyl-1,5-pentanediamine Oral LD50: 1,170 mg/kg (Rat) Dermal LD50: 1,870 mg/kg (Rabbit) Inhalation LC50: 5 mg/L (Rat)
84852-15-3	Nonylphenol Oral LD50: 1,620 mg/kg (Rat)

CAS Number	Description	% Weight	Carcinogen Rating
None			No Data Available

Section 12 - Ecological Information

Environmental effects: No known significant effects or critical hazards.

Component Ecotoxicity

Section 13 - Disposal Considerations

The generation of waste should be avoided or minimized wherever possible. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Section 14 - Transport Information

Agency	Proper Shipping Name	UN Number	Packing Group	Hazard Class
ADR/RID	AMINES,LIQUID, CORROSIVE,N.O.S.	UN2735	II	8
DOT	AMINES,LIQUID, CORROSIVE,N.O.S.	UN2735	II	8
IATA	AMINES,LIQUID, CORROSIVE,N.O.S.	UN2735	II	8
IMDG	AMINES,LIQUID, CORROSIVE,N.O.S.	UN2735	II	8

Section 15 - Regulatory Information

Section 16 - Other Information

The material contained in this Safety Data Sheet is based on information supplied to Smith Paint Products by the raw material suppliers of the individual components of this product. Smith Paint Products believes this information is truthful and reliable. However, no warranty is expressed or implied regarding the accuracy of this information, or of any product, method or apparatus mentioned and you must make your own determination of its suitability and completeness for your own use, for the protection of the environment, and health and safety of your employees and users of this material. As more information becomes available from our vendors additional revisions will be forthcoming.

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