

2803 Epoxy Coal Tar [3:1]

Safety Data Sheet

SECTION 1 — PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NUMBER: 2802
PRODUCT NAME: Coal Tar Epoxy (Part A), Black
MANUFACTURER'S PHONE: +91 8000011774

SECTION 2 — COMPOSITION/INFORMATION ON INGREDIENTS

% by Weight	CAS Number	Ingredient	Units	Vapour Pressure
17	1330-20-7	Xylene	ACGIH TLV 100 PPM	5.9 mm
33	65996-93-2	Refined Coal Tar Pitch		
11	68410-23-1	Polyamide		
31	14807-96-6	Talc		

3. HEALTH HAZARD DATA

Physical Appearance: Clear viscous liquid

Emergency Overview: Can cause irritation of eyes and skin. May cause skin sensitization. Contact with hot material can cause thermal burns. Vapours of hot material can cause irritation of respiratory passages.

Exposure limits: See Section 2

Routes of Entry: Inhalation → x Skin → x Ingestion → x

Effects of overexposure:

Acute: **Eye -** Mildly irritating; contact with hot material can cause Thermal burns resulting in permanent damage.

Skin - Skin sensitization (Allergy) may be evidenced by rashes, Especially

Inhalation - Exposure to vapours or mists is moderately irritating to Respiratory passages.

Ingestion - Not likely to be a relevant route of exposure.

Chronic: N/A

Medical Conditions Pre-existing skin and eye disorders may be aggravated by exposure to this product. Pre-existing skin or lung allergies may increase the chance of developing increased allergy symptoms from exposure to this product.
Aggravated by Exposure:

4. FIRST AID MEASURES

Emergency and First Aid Procedures

Inhalation: Remove from exposure, restore breathing. Keep warm and quiet. Notify physician



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Eyes (splash):	Immediately flush eyes with water for 15 minutes. Hold eyelids open for complete irrigation. Rest eyes for 30 minutes, if redness, burning, blurred vision or swelling persist take to a physician.
Skin (splash):	Wash affected the area with soap and water. Remove contaminated clothing. Consult a physician if irritation persists. Do not reuse clothing until cleaned. Contaminated leather articles, including shoes can not be decontaminated and should be destroyed to prevent reuse. If contact with a hot product occurs, immediately flush with cool water for 15 minutes and carefully remove clothing. If clothing is stuck to a burn area, do not pull it off, but cut around it. Cover a burn with clean material and get medical attention immediately.
Ingestion:	Do not induce vomiting. Have victim rinse out the mouth with water, drink sips of water to remove taste from mouth. Consult a physician or poison control centre, treat symptomatically.

5. FIRE AND EXPLOSION HAZARD DATA

Flash Point: 480° F PM

LEL %: N/A

UEL %: N/A

Extinguishing Media Foam: CO2

Dry chemical

Water fog

Other

Special Fire Fighting Procedures: The material will not burn unless preheated. Clear fire area of all non-emergency personnel. Shut off source. Water fog may be used to cool closed containers exposed to extreme heat to prevent pressure build-up and possible autoignition or explosion. Wear NIOSH approved positive pressure self-contained breathing apparatus and full bunker gear for confined spaces.

Unusual Fire and Explosion Hazards: Keep containers tightly closed. Combustible liquid; isolated from all sources of ignition. Closed containers may explode to extreme heat.

6. ACCIDENTAL RELEASE MEASURES

Steps to be taken in case material is released or spilt:

Shut off valves, contain the spill, and keep out of water sources and sewers, for small spills add non-flammable absorbent in spill area. Place saturated absorbent in an approved container for disposal. Remove contaminated soil to remove contaminated trace residues. For large spills, remove with vacuum trucks or pump to storage/salvage vessels. Then soak up residue with an absorbent such as clay, sand or other suitable material. Place in non-leaking containers. Flush area with water to remove trace residue. Minimize breathing vapours and skin contact, ventilate confined area, open all windows and doors, assure conformity with applicable government regulations. Keep all nonessential people away.

7. HANDLING AND STORAGE

Store large quantities only in buildings designed to comply with OSHA 1910.106. Keep containers tight and upright to prevent

leakage. Do not store with incompatible materials. Keep containers closed when not in use. Keep away from open flames and high temperatures.

Do not take internally. Avoid prolonged or repeated contact with skin, eyes, and clothing. Wash thoroughly after handling. This resin may be handled, shipped and stored at elevated temperature in bulk. The recommended pumping temperature is 180° F. Containers should be bonded and grounded when pouring. Empty containers release residue and can be dangerous. Do not pressurize, cut, weld, braze, solder, drill or expose such containers to heat, sparks, static electricity or other sources of ignition. Do not attempt to clean. "Empty" drums should be completely drained, properly bunged and promptly returned to a drum reconditioned.

Avoid breathing vapours in top of shipping container. To prevent thermal burns avoid contact with hot product. Use with adequate ventilation. Use non-sparking tools to open or closed containers.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Respiratory Protection:

No respiratory protection is usually required under normal conditions of use.

Ventilation:

Provide general dilution or local exhaust ventilation in volume and pattern to keep concentrations within Permitted exposure limits. All areas should be ventilated in accordance with OSHA Regulation 29 CFR Part 1910

Protective Gloves:

Butyl Rubber chemical resistant gloves.

Eye Protection:

Use safety eyewear with splash guards or face shield.

Other Protective Clothing or Equipment:

Use chemical-resistant apron or other impervious clothing. Remove and wash contaminated clothing before reuse. Shower and eyewash should be easily accessible to the work area.

SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

SPECIFIC GRAVITY	1.34
BOILING POINT	277 - 292 °F 136 - 144 °C
MELTING POINT	Not Available
VOLATILE VOLUME	20%
EVAPORATION RATE	Slower than ether
VAPOR DENSITY	Heavier than air
SOLUBILITY IN WATER	Not Available
VOLATILE ORGANIC COMPOUNDS	(VOC Theoretical - As Packaged)
2.19 lb/gal 262 g/l Less Water and Federally Exempt Solvents	
2.18 lb/gal 262 g/l Emitted VOC	

SECTION 10 — STABILITY AND REACTIVITY

STABILITY	Stable
CONDITIONS TO AVOID	None known.
INCOMPATIBILITY	None known.

HAZARDOUS DECOMPOSITION PRODUCTS

By fire : Carbon Dioxide, Carbon Monoxide

HAZARDOUS POLYMERIZATION

Will not occur

SECTION 11 — TOXICOLOGICAL INFORMATION

CHRONIC HEALTH HAZARDS



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Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. Coal Tar Pitch is listed by NTP. Human and animal studies indicate that prolonged overexposure to Coal Tar Pitch can cause cancer of the skin, lung, bladder and gastrointestinal tract. Inhalation of Coal Tar Pitch Volatiles at application temperatures would not be expected as they are vaporized only at very high temperatures.

TOXICOLOGY DATA

CAS No. Ingredient Name

1330-20-7	Xylene
LC50 RAT	4HR 5000 ppm
LD50 RAT	4300 mg/kg

65996-93-2 Refined Coal Tar Pitch

LC50 RAT	4HR Not Available
LD50 RAT	Not Available

68410-23-1 Polyamide

LC50 RAT	4HR Not Available
LD50 RAT	Not Available

SECTION 12 — ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION

No data available.

SECTION 13 — DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD

Waste from this product may be hazardous as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261. Waste must be tested for ignitability to determine the applicable EPA hazardous waste numbers. Incinerate in an approved facility. Do not incinerate closed container. Dispose of in accordance with Federal, State/Provincial, and Local regulations regarding pollution.

SECTION 14 — TRANSPORT INFORMATION

Multi-modal shipping descriptions are provided for informational purposes and do not consider container sizes. The presence of a shipping description for a particular mode of transport (ocean, air, etc.), does not indicate that the product is packaged suitably for that mode of transport. All packaging must be reviewed for suitability prior to shipment, and compliance with the applicable regulations is the sole responsibility of the person offering the product for transport.

SECTION 15 — REGULATORY INFORMATION

SARA 313 (40 CFR 372.65C) SUPPLIER NOTIFICATION

CAS No.	CHEMICAL/COMPOUND	% by WT % Element
1330-20-7	Xylene	17
Proprietary Polycyclic Aromatic Compounds 1		

SECTION 16 — OTHER INFORMATION

This product has been classified in accordance with the hazard criteria of the Canadian Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR. The above information pertains to this product as currently formulated, and is based on the information available at this time. Addition of reducers or other additives to this product may substantially alter the composition and hazards of the product. Since conditions of use are outside our control, we make no warranties, express or implied, and assume no liability in connection with any use of this information.

2803 EPOXY COAL TAR PART -B **MATERIAL SAFETY DATA SHEET**

SECTION 1 — PRODUCT AND COMPANY IDENTIFICATION



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PRODUCT NUMBER: 2702
PRODUCT NAME: Coal Tar Epoxy (Part B), Clear
MANUFACTURER'S PHONE: 02717320003

SECTION 2 — COMPOSITION/INFORMATION ON INGREDIENTS

% by Weight	CAS Number	Ingredient	Units	Vapor Pressure
100%	25068-38-6	Epoxy Polymer		

3. HEALTH HAZARD DATA

ROUTES OF EXPOSURE

EYE or SKIN contact with the product.

EFFECTS OF OVEREXPOSURE

EYES: Irritation.

SKIN: Prolonged or repeated exposure may cause irritation.

INHALATION: Irritation of the upper respiratory system.

SIGNS AND SYMPTOMS OF OVEREXPOSURE

Redness and itching or burning sensation may indicate eye or excessive skin exposure.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE

May cause allergic skin reaction in susceptible persons or skin sensitization.

CANCER INFORMATION

For a complete discussion of toxicology data refer to Section 11.

4. FIRST AID MEASURES

EYES: Flush eyes with large amounts of water for 15 minutes. Get medical attention.

SKIN: Wash affected area thoroughly with soap and water.

If irritation persists or occurs later, get medical attention.

Remove contaminated clothing and launder before re-use.

INHALATION: If affected, remove from exposure. Restore breathing. Keep warm and quiet.

INGESTION: Do not induce vomiting. Get medical attention immediately.

5. FIRE AND EXPLOSION HAZARD DATA

Flash Point: 480° F PM

LEL %: N/A

UEL %: N/A

Extinguishing Media Foam: CO2

Dry chemical

Water fog

Other

Special Fire Fighting Procedures:

The material will not burn unless preheated. Clear fire area of all non-emergency personnel. Shut off source. Water fog may be used to cool closed containers exposed to extreme heat to prevent pressure build-up and possible autoignition or explosion. Wear NIOSH approved positive pressure self-contained breathing apparatus and full bunker gear for confined spaces.

Unusual Fire and Explosion Hazards:

Keep containers tightly closed. Combustible liquid; isolated from all sources of ignition. Closed containers may explode to extreme heat.

6. ACCIDENTAL RELEASE MEASURES

Steps to be taken in case material is released or Spilled:

Remove with inert absorbent.

7. HANDLING AND STORAGE

STORAGE CATEGORY

Not Applicable

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE

Keep container closed when not in use. Transfer only to approved containers with complete and appropriate labelling. Do not take internally.

Keep out of the reach of children.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Respiratory Protection: No respiratory protection is usually required under normal conditions of use.

Ventilation: Provide general dilution or local exhaust ventilation in volume and pattern to keep concentrations within Permitted exposure limits. All areas should be ventilated in accordance with OSHA Regulation 29 CFR Part 1910

Protective Gloves: Butyl Rubber chemical resistant gloves.

Eye Protection: Use safety eyewear with splash guards or face shield.

Other Protective Clothing or Equipment: Use chemical-resistant apron or other impervious clothing. Remove and wash contaminated clothing before reuse. Shower and eyewash should be easily accessible to the work area.

SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

SPECIFIC GRAVITY	1.09
BOILING POINT	Not Applicable
MELTING POINT	Not Available
VOLATILE VOLUME	0%
EVAPORATION RATE	Not Available
VAPOR DENSITY	Not Available
SOLUBILITY IN WATER	Not Available
VOLATILE ORGANIC COMPOUNDS	(VOC Theoretical - As Packaged)

SECTION 10 — STABILITY AND REACTIVITY

STABILITY	Stable
CONDITIONS TO AVOID	None known.
INCOMPATIBILITY	None known.

HAZARDOUS DECOMPOSITION PRODUCTS

By fire : Carbon Dioxide, Carbon Monoxide

HAZARDOUS POLYMERIZATION

Will not occur

SECTION 11 — TOXICOLOGICAL INFORMATION

CHRONIC HEALTH HAZARDS

No ingredient in this product is an IARC, NTP or OSHA listed carcinogen.

TOXICOLOGY DATA

SECTION 12 — ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION

No data available.

SECTION 13 — DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD

Waste from this product is not hazardous as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261. Incinerate in an approved facility. Do not incinerate closed container. Dispose of in accordance with Federal, State/Provincial, and Local regulations regarding pollution.

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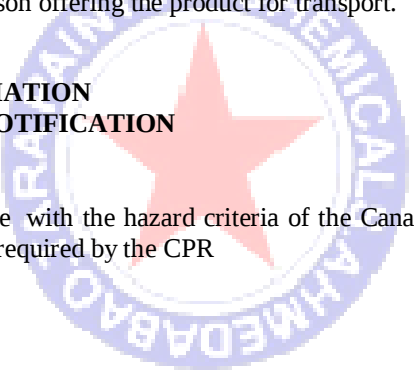
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