

Section 1: Company and Product Identification

1.1. Product Identification:

Product Name: MCO™ End adhesive
Product Code(s): NA

1.2. Product use(s) and applications advised against:

Product use(s): Anticorrosion coating compound for piping systems.
Applications advised against: Consult technical data sheet

1.3. Details of the Supplier of the Safety Data Sheet

Company: Trenton Corp.
7700 Jackson Road
Ann Arbor, MI 48103
PH: 734-424-3600
Emergency Response: CHEMTREC (24 hrs): 800-424-9300


Section 2: Hazards Identification

2.1 Classification of the Substance or Mixture

Hazard Category: Flammable Liq Cat 3
Skin corrosion/irritation Cat 2
Serious eye damage/eye irritation Cat 2
Carcinogenicity Cat 2

2.2 GHS Label Elements

Signal Word: Warning

Hazard Pictograms: GHS02 GHS07 GHS08 BLANK


Hazard Statements: H226: Flammable liquid and vapour
H315: Causes skin irritation
H319: Causes serious eye irritation
H351: Suspected of causing cancer

Precautionary Statements: P210: Keep away from heat/sparks/open flames/hot surfaces – No smoking
P233: Keep container tightly closed
P243: Take precautionary measures against static discharge
P280: Wear protective gloves/protective clothing/eye protection/face protection
P303+361+353: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing
P501: Dispose of contents/container in accordance with local/regional/national/international rules.

2.3 Other Hazards Not applicable, none known.

Section 3: Composition / Information on Ingredients

3.1 Hazardous Components

| Hazardous substance (name) | Hazard Category | CAS# | Weight % |
|----------------------------|---|------------|----------|
| aromatic hydrocarbon | Asp. Tox 1 | 64742-94-5 | <50 |
| 1,2,4-trimethylbenzene | Flam Liq 3, Skin Irrit 2, Eye Irrit 2, Acute Tox 4 (oral) | 95-63-6 | <20 |
| cumene | Flam Liq 3, Asp. Tox 1, STOT SE 3 (resp irrit), Carc 2 | 98-82-8 | <1 |
| xylene | Flam Liq 3, Acute Tox 4 (skin, inhal), Skin Irrit 2 | 1330-20-7 | <2 |

3.2 Other Information Aspiration toxicity for product is not applicable due to viscosity and/or product form.

Section 4: First Aid Measures

4.1 Description of First Aid Measures

| | |
|----------------------|---|
| General Info: | Product may give off vapors in affecting the inhalation route. Ensure proper ventilation during application / curing. Seek medical treatment if any excessive exposures result in symptoms. |
| If ingested: | Rinse mouth. Seek medical attention if symptoms develop. Do not induce vomiting. |
| If inhaled: | Remove to fresh air. Obtain medical attention if respiratory symptoms or other symptoms develop. |
| Eye contact: | Flush eyes with plenty of water for at least 15 minutes. Remove contact lenses if present and easy to do. Get medical attention if irritation develops or persists. |
| Skin contact: | Rinse with soap and water thoroughly. Get medical advice if irritation develops or persists. |

4.2 Most Important Symptoms and Effects, Acute and Delayed

| | |
|-----------------------------------|--|
| Notable Exposure symptoms: | Excessive skin exposure may cause redness or irritation. |
|-----------------------------------|--|

Section 5: Fire Fighting Measures

| | |
|---|---|
| 5.1 Extinguishing Media | Carbon dioxide (CO2), dry chemical, foam. |
| 5.2 Special Hazards Arising from Mixture | Product will sustain burning. Constituents associated with burning / combustion are to be considered toxic. |
| 5.3 Advice for Firefighters / Protective equipment | Firefighters should wear self-contained breathing apparatus (SCBA) and full protective equipment. Direct water spray may spread fire. |

Section 6: Accidental Release Measures

| | |
|---|--|
| 6.1 Personal precautions, protective equipment and procedures: | Wear appropriate protective equipment and clothing during clean-up operations. |
| 6.2 Environmental Precautions: | No specific measures. |
| 6.3 Methods and Materials for Containment and Cleanup | Large spills are to be absorbed with clay, dikes, or other media. Ensure proper ventilation. Small spills can be contained and handled with rags or absorbent media. |

6.4 References to Other Sections For personal protection, see section 8 of the SDS. For disposal information, Section 13.

Section 7: Handling and Storage

7.1 Precautions for Safe Handling Do not handle until all safety precautions have been read and understood. Ensure adequate ventilation. Avoid contact with eyes, skin. Avoid prolonged exposure. Wear appropriate personal protective equipment.

7.2 Recommendations for Storage: Store in cool area. Store away from strong acids or oxidizing agents. Refer to Section 10.

Section 8: Exposure Control / Personal Protection

8.1 Components with Exposure Control Limits

| Substances with Exposure Limit | CAS# | ACGIH-TLV | OSHA-PEL |
|--------------------------------|------------|----------------------------|----------------------------|
| aromatic hydrocarbon | 64742-94-5 | 5 mg/m ³ (mist) | 5 mg/m ³ (mist) |
| 1,2,4-trimethylbenzene | 95-63-6 | 25 ppm | - |
| cumene | 98-82-8 | 50 ppm | 245 mg/m ³ |
| xylene | 1330-20-7 | 100 ppm | 100 ppm |

8.2 Exposure Controls

Engineering Controls: Ensure proper ventilation in enclosed spaces.

Controls:

Work Clothing: Protective work clothing which covers skin and prevents exposures.

Eye/face protection: Safety glasses.

Skin Protection: Wear solvent resistant gloves.

Respiratory Protection: Utilize organic vapor respirator if airborne levels are not maintained below exposure limits, or if ventilation is inadequate.

Environmental: No special considerations. Avoid release of material to surface waters.

Exposure Controls:

Additional Information: Observe good chemical hygiene practices. Do not smoke or eat while using this product. Wash

Information: hands or exposed skin after using the product. Cutting or grinding of the product may release substances which require monitoring (see chart above).

Section 9: Physical and Chemical Properties

9.1 Physical/Chemical Properties

| | | |
|------------------------------------|-----------------------------------|---|
| State: Liquid | Melting Point: Not avail | Freezing Point: Not avail |
| Color: Water white | Boiling Point/Range: ~315F | pH: Not avail |
| Sp. Grav.: <1 | Odor: Aromatic | Water Solubility: Insoluble |
| Evaporation rate: Not avail | Flash Point: 111F | Part. Coeff (n-octanol/water): Not avail |
| Upper Flam Limits: 7 | Lower Flam Limits: 1 | Vapor Pressure: 2.7 mm/Hg @20F |

VOC Content Not avail
(lbs/gal):

Viscosity: Not avail

Autoignition >800F
Temp:

9.2 Other Information No further information.

Section 10: Stability and Reactivity

10.1 Reactivity This product is stable and non-reactive under normal conditions of use. Product is not subject to hazardous polymerization.

10.2 Chemical Stability Product is stable under normal working conditions. Avoid extreme temperatures.

10.3 Possibility of Hazardous Reactions Unlikely under normal use. No further information.

10.4 Conditions to Avoid Avoid extreme temperatures, flame, oxidizers, and acids / bases.

10.5 Incompatible Materials No specific information. Avoid strong oxidizers and corrosive materials.

10.6 Hazardous Decomposition Products No known decomposition products under normal circumstances. If burned, product may emit toxic fumes.

Section 11: Toxicological Information

11.1 Information on Toxicological Effects

General Information: Product has not been tested. May be harmful if swallowed, inhaled, or in excessive contact with skin.

Acute Toxicity (Oral): Not tested. May be harmful if swallowed.

Acute Toxicity (Dermal): Product is not tested. Avoid prolonged contact with unprotected skin.

Acute Toxicity (Inhalation): No further information.

Skin Corrosion / Irritation: Skin / mucous membrane irritant.

Eye Corrosion / Irritation: Eye irritant

Sensitization: No further information.

Carcinogenicity / Mutagenicity: Product contains cumene (<1%) is classified as possibly carcinogenic to humans (IARC Group 2B).

Toxicological Information (contained substances)

| Hazardous substance (name) | LD50 Oral | LD50 Dermal | LC50 Inh | Irritancy: |
|----------------------------|-------------------|----------------------|----------|----------------------|
| 1,2,4-trimethylbenzene | >2000 mg/kg (rat) | >2000 mg/kg (rabbit) | - | Irritant (eye, skin) |

Section 12: Ecological Information

12.1 Toxicity No specific data available. Product contains aromatic hydrocarbons.

12.2 Persistence and Degradability No specific data available. Contained solvent is expected to degrade rapidly in the environment.

12.3 Bioaccumulation Potential No specific data available.

- 12.4 Mobility in Soil** No further information available.
- 12.5 Results of PBT and vPvB Assessment** Assessment not carried out. Product does not contain any PBT / vPvB constituents.
- 12.6 Other Adverse Effects** No further information available.

Section 13: Disposal Information

13.1 Waste Treatment Methods

- Product disposal:** Dispose of product in accordance with local, regional, and national regulations. Consult with waste contractor.
- Container disposal:** Packaging of product may contain small amounts of residual product which can be discarded.
- Other considerations:** No further information.

Section 14: Transport Information

- DOT:** Not regulated in non-bulk (<119 gal) packagings for domestic US (road/rail) transport.
- IMO/IMDG:** UN1866, Resin solution, flammable, 3, PGIII
- IATA:** UN1866, Resin solution, flammable, 3, PGIII
- OTHER:** Inquire for further information.

Section 15: Regulatory Information

- TSCA:** All components listed on the TSCA 8(b) inventory.
- CERCLA RQ:** cumene (5000 lbs), xylenes (100 lbs)
- SARA 311/312:** acute / chronic / flammable (combustible) hazards
- SARA 313** Xylene, cumene, trimethylbenzene
- California Prop 65** Cumene
- Substances:**
- Canadian DSL:** All substances in product are listed on the DSL.
- WHMIS:** Product is not WHMIS 2015 classified. See Section 3 for disclosure substances, if applicable.

Section 16: Other Information

SDS Author: A.Hahn, CCS LLC **Version Date:** 5/25/2015

The provider of this SDS urges the buyer or user to study it carefully and consult with appropriate expertise, as necessary to become aware of and understand the data contained herein. This information is provided in good faith and is believed to be accurate as of the effective date, or version date shown. However, no warranty, express or implied, is given. Regulatory requirements are subject to change and may differ between various locations. It is the buyer or user's responsibility to ensure that its activities comply with all federal, state, provincial or local laws. The information presented here pertains only to the product as shipped. It is the buyer's/user's duty to determine the conditions necessary for the safe use of this product. Information regarding the exact chemical identity or concentration of certain substances may be reserved as a trade secret as per 29 CFR 1910.1200(i).