

# SAFETY DATA SHEET

## 1.0 IDENTIFICATION

- 1.1 **GHS product identifier:** OIL BLOCK PRIMER, Part B Hardener  
 1.2 **Other means of identification:** Epoxy Curing Agent  
 1.3 **Recommended use of the chemical and restrictions on use:** N/A  
 1.4 **Supplier's details:** VANBERG SPECIALIZED COATINGS  
 PO BOX 19414  
 LENEXA, KS 66285  
 INFORMATION PHONE NUMBER: 800-874-0631
- 1.5 **Emergency phone number:** 1-800-255-3924

## 2.0 HAZARDS IDENTIFICATION

### 2.1 Classification of the substance or mixture:

Flammable Liquid 3, Acute Toxicity – Dermal 4, Skin Corrosion/Irritant 1B, Eye Damage/Irritation 1, Acute Toxicity – Oral 4, Acute Toxicity – Inhalation 4

### 2.2 GHS label elements:

**Signal Word:** Warning

**Hazard Statement:** Flammable liquid and vapor

**Prevention:** Keep away from heat/sparks/open flames/hot surfaces. No smoking. Keep container tightly closed. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Wear protective gloves/eye protection/face protection.

**Response:** If on skin (or hair): remove/take off immediately all contaminated clothing. Rinse skin with water/shower. In case of fire: use carbon dioxide, foam, dry chemical or water fog to extinguish fire.

**Storage:** Store in a well-ventilated place. Keep cool.

**Disposal:** Dispose of in accordance with federal, state, and local regulations.



**Signal Word:** Warning

**Hazard Statement:** Harmful in contact with skin

**Prevention:** Wear protective gloves/protective clothing.

**Response:** If on skin: wash with plenty of soap and water. Call a poison center or doctor/physician if you feel unwell. Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Call a physician if irritation persists. Wash contaminated clothing before reuse.

**Disposal:** Dispose of in accordance with federal, state, and local regulations.



**Signal Word:** Danger

**Hazard Statement:** Causes severe skin burns and eye damage

**Prevention:** Do not breathe dusts or mists. Wash hands thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection.

**Response:** If swallowed: Rinse mouth. Do NOT induce vomiting. If on skin (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.

Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Call a physician if irritation persists. Wash contaminated clothing before reuse. If inhaled: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a poison center or doctor/physician. If in eye: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

**Storage:** Store locked up.

**Disposal:** Dispose of in accordance with federal, state, and local regulations.



**Signal Word:** Danger

**Hazard Statement:** Causes serious eye damage

**Prevention:** Wear eye protection/face protection.

**Response:** If in eyes: rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center or doctor/physician.





**Signal Word:** Warning

**Hazard Statement:** Harmful if swallowed

**Prevention:** Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product.

**Response:** If swallowed: Call a poison center or doctor/physician if you feel unwell. Rinse mouth.

**Disposal:** Dispose of in accordance with federal, state, and local regulations.



**Signal Word:** Warning

**Hazard Statement:** Harmful if inhaled

**Prevention:** Avoid breathing dust/fume/gas/mist/vapors/spray. Use only outdoors or in a well-ventilated area.

**Response:** If inhaled: remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a poison center or doctor/physician if you feel unwell.

2.3 Other hazards which do not result in classification: N/A

2.4 Hazards Material Information System (United States):

|                 |   |
|-----------------|---|
| Health          | 3 |
| Flammability    | 1 |
| Physical Hazard | 1 |

Hazard Codes: 0=Minimal Hazard, 1=Slight Hazard, 2=Moderate Hazard, 3=Serious Hazard, 4=Severe Hazard

### 3.0 COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.1 Mixtures

| Chemical Identity  | CAS No.    | Concentration |
|--------------------|------------|---------------|
| Nonylphenol        | 25154-52-3 | *****         |
| M-xylene diamine   | 1477-55-0  | *****         |
| Isophorone diamine | 2855-13-2  | *****         |
| Polyglycol         | *****      | *****         |

\*\*\*\*\* The specific chemical identity and/or proportion of these components is considered trade secret information.

### 4.0 FIRST-AID MEASURES

#### 4.1 Description of necessary first-aid measures:

**Eye Contact:** Remove contact lenses at once. Immediately flush eyes with large amounts of water or normal saline for at least 30 minutes. Hold eyelids apart while flushing to rinse entire surface of eye and lids with water.

**Prompt medical attention is essential.**

**Skin Contact:** Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Call a physician if irritation persists. Wash clothing before reuse. Destroy contaminated shoes.

**Inhalation:** Remove to fresh air if effects occur. If not breathing, give artificial respiration. **Get immediate medical attention.**

**Ingestion:** Do not induce vomiting. If patient is conscious and can swallow, give two glasses of water (16 oz).

**Get immediate medical attention.** Never give anything by mouth to an unconscious or convulsing person.

#### 4.2 Most Important symptoms/effects, acute and delayed:

**Aggravated Medical Conditions:** Skin contact may aggravate an existing dermatitis (skin condition). Overexposure to vapor, dust, or mist may aggravate existing respiratory conditions, such as asthma, bronchitis, and inflammatory or fibrotic respiratory disease.

**Other Health Effects:** This product contains one or more amines which may produce temporary and reversible hazy or blurred vision. Symptoms disappear when exposure is terminated. May cause liver injury based on animal studies.

**4.3 Indication of immediate medical attention and special treatment needed, if necessary:** Note to Physician: May cause tissue destruction leading to stricture. If lavage is performed, suggest endotracheal and/or esophagosopic control. If burn is present, treat as any thermal burn, after decontamination. Supportive care. Treatment based on judgment of the physician in response to reactions of the patient. Contact a poison control center for additional treatment information.

### 5.0 FIRE-FIGHTING MEASURES

**5.1 Suitable extinguishing media:** Use water spray, dry chemical, foam, or carbon dioxide. Water or foam may cause frothing. Use water to cool fire-exposed containers. If a leak or spill has not ignited, use water spray to disperse the vapors and to provide protection for persons attempting to stop the leak.

**5.2 Specific hazards arising from the chemical:** Flash Point is >200 °F TCC. Toxic vapors (hydrogen cyanide) may be formed. Hazardous combustion products may include intense heat, carbon monoxide, carbon dioxide, and hydrocarbon fragments.

**5.3 Special protective actions for fire-fighters:** Use a positive pressure self-contained breathing apparatus.

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## 6.0 ACCIDENTAL RELEASE MEASURES

**6.1 Personal precautions, protective equipment and emergency procedures:** Ventilate the area. Avoid breathing vapor. Use self-contained breathing apparatus or supplied air for large spills or confined areas.

**6.2 Methods and materials for containment and clean up:** Contain spill if possible. Wipe up or absorb on suitable material and pick up with shovels. Do not use sawdust, wood chips, or other cellulosic materials to absorb the spill. Prevent entry into sewers and waterways. Dispose of in accordance with federal, state, and local regulations.

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## 7.0 HANDLING AND STORAGE

**7.1 Precautions for safe handling:** Ground all transfer equipment. Take precautionary measures against static discharge. Handle as an industrial chemical.

**7.2 Conditions for safe storage, including any incompatibilities:** Keep container tightly closed when not in use. Practice good caution and personal cleanliness to avoid skin and eye contact. Hold bulk storage under nitrogen blanket. Store in a cool, dry place with adequate ventilation. Keep away from open flames and high temperatures. Copper and alloys of copper should not be used as they are quickly corroded by the product.

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## 8.0 EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 Control parameters

| Component          | CAS No.    | Percent | Exposure Limits   | Source        |
|--------------------|------------|---------|---|---------------|
| Nonylphenol        | 25154-52-3 | *****   | None established  |               |
| M-xylene diamine   | 1477-55-0  | *****   | 0.1 mg/M <sup>3</sup> (skin)*<br>0.1 mg/M <sup>3</sup> (skin)** | OSHA<br>ACGIH |
| Isophorone diamine | 2855-13-2  | *****   | None established  |               |
| Polyglycol         | *****      | *****   | None established  |               |

- \* The skin notation indicates the substance may be absorbed through the skin, mucous membranes, or eyes, by direct or airborne exposure, and suggests that appropriate measures be taken to prevent such absorption so that the exposure limit is not invalidated.
- \*\* Ceiling limit

**8.2 Appropriate engineering controls:** N/A

### 8.3 Individual protection measures, such as personal protective equipment:

**Respiratory Protection:** Airborne concentrations should be kept to lowest levels possible. Use an approved respirator. Selection of air-purifying or positive-pressure supplied air will depend on the specific operation and the potential airborne concentration of the material. For emergency conditions, use an approved positive-pressure self-contained breathing apparatus.

**Protective Clothing:** Protective clothing such as uniforms, coveralls, or lab coats must be worn. Launder or dry-clean when soiled. Gloves and goggles resistant to chemicals and petroleum distillates required. When handling large quantities, impervious suits, gloves, and rubber boots must be worn.

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## 9.0 PHYSICAL AND CHEMICAL PROPERTIES

**9.1 Appearance (physical state, color, etc.):** Clear, light yellow liquid

**9.2 Odor:** ammonia-like odor.

**9.3 Odor threshold:** N/A

**9.4 pH:** N/A

**9.5 Melting point/freezing point:** N/A

**9.6 Initial boiling point and boiling range:** >450° F

**9.7 Flash Point:** >200° F

**9.8 Evaporation rate:** Not established

**9.9 Flammability (solid, gas):** N/A

**9.10 Upper/lower flammability or explosive limits:** Not established

**9.11 Vapor pressure:** Not established

**9.12 Vapor Density:** > 1

- 9.13 Relative density (specific gravity):** 0.971  
**9.14 Solubility(ies):** Partially soluble (in water)  
**9.15 Partition coefficient; n-octanol/water:** N/A  
**9.16 Auto-ignition temperature:** N/A  
**9.17 Decomposition temperature:** N/A  
**9.18 Viscosity:** N/A

## 10.0 STABILITY AND REACTIVITY

- 10.1 Reactivity:** N/A  
**10.2 Chemical stability:** Stable under normal conditions of handling.  
**10.3 Possibility of hazardous reactions:** Will not occur.  
**10.4 Conditions to avoid:** Reacts violently with acids. Avoid acid, oxidizing material, halogenated organic compounds, aldehydes, ketones, and acrylates. Results in temperature and/or pressure increase. Avoid exposure to heat, light flame or other sources of ignition.  
**10.5 Incompatible materials:** N/A  
**10.6 Hazardous decomposition products:** Toxic levels of ammonia, combustion products of nitrogen, carbon monoxide, carbon dioxide, irritating aldehydes, and ketones may be formed on burning in a limited air supply.

## 11.0 TOXICOLOGICAL INFORMATION

- 11.1 Likely routes of exposure:** N/A  
**11.2 Symptoms related to the physical, chemical and toxicological characteristics:**  
**Eye Contact:** May cause severe irritation with corneal injury which may result in permanent impairment of vision, even blindness.  
**Skin Contact:** May cause severe irritation with pain, chemical burns, blister formation, and possible tissue destruction.  
**Inhalation:** May cause respiratory sensitization in susceptible individuals. Severe overexposure may result in difficulty breathing, headache, nausea, vomiting, drowsiness, anesthesia, narcosis, unconsciousness, and other central nervous system effects, including death.  
**Ingestion:** Causes burning of mouth, throat, and stomach with abdominal and chest pain, nausea, vomiting, diarrhea, thirst, weakness, and collapse. Aspiration may occur during swallowing or vomiting, resulting in lung damage.  
**11.3 Delayed and immediate effects and also chronic effects from short and long term exposure:** N/A  
**11.4 Numerical measures of toxicity:**

| Ingredient Name    | CAS No.    | %     | Acute Oral LD50  | Acute Dermal LD50   | Acute Inhalation LC50 |
|--------------------|------------|-------|------------------|---------------------|-----------------------|
| Nonylphenol        | 25154-52-3 | ***** | 1.600 g/kg (rat) | >200 mg/kg (rabbit) | Not available         |
| M-xylene diamine   | 1477-55-0  | ***** | Not available    | Not available       | Not available         |
| Isophorone diamine | 2855-13-2  | ***** | 1.03 g/kg (rat)  | Not available       | Not available         |
| Polyglycol         | *****      | ***** | 28 g/kg (rat)    | Not available       | Not available         |

## 12.0 ECOLOGICAL INFORMATION

- 12.1 Ecotoxicity:** N/A  
**12.2 Persistence and degradability:** N/A  
**12.3 Bioaccumulative potential:** N/A  
**12.4 Mobility in soil:** N/A  
**12.5 Other adverse effects:** N/A

## 13.0 DISPOSAL CONSIDERATIONS

- 13.1 Disposal methods:** Dispose of in accordance with federal, state, and local regulations.

## 14.0 TRANSPORT INFORMATION

- 14.1 UN number:** UN 2735  
**14.2 UN proper shipping name:** Polyamines, Liquid, Corrosive, N.O.S., (M-xylene diamine and Nonylphenol), Marine Pollutant, (8), PG III, UN 2735  
**14.3 Transport hazard class(es):** 8  
**14.4 Packing group, if applicable:** III

**14.5 Environmental hazards:** Marine Pollutant

**14.6 Transport in bulk:** N/A

**14.7 Special precautions for user:** N/A

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## **15.0 REGULATORY INFORMATION**

### **15.1 Safety, health and environmental regulations:**

Not meant to be all-inclusive. Selected regulations presented.

**A. SARA Title III Section 311/312:** Immediate health

**B. WHMIS Classification:** Not available

**C. TSCA Status:** Listed on TSCA Inventory

**D. OSHA Hazard Comm. Std.:** See Section 2

M-xylene diamine: FL, IL, LA, MA, MN, NJ, PA, RI

Nonylphenol: CA, FL, MA, PA

CA = California Haz. Subst. List; CA65 = California Safe Drinking Water and Toxics Enforcement Act List; CT = Connecticut Tox. Subst. List; FL = Florida Subst. List; IL = Illinois Tox. Subst. List; LA = Louisiana Haz. Subst.

List; MA = Massachusetts Subst. List; ME = Maine Haz. Subst. List; MN = Minnesota Haz. Subst. List; NJ = New Jersey Haz. Subst. List; PA = Pennsylvania Haz. Subst. List; RI = Rhode Island Haz. Subst. List.

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## **16.0 OTHER INFORMATION**

### **16.1 Date of Preparation:** 6/1/2015

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To the best of our knowledge, the information contained herein is accurate. Final determination of the suitability of any material is the sole responsibility of the users. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards which exist.