

**MSDS**

DM220PP-81

**1. Identification of the substance/preparation and of the company/undertaking**

Product name : DM220PP-81

Manufacturer : PERMAWICK COMPANY  
 255 EAST BROWN STREET  
 BIRMINGHAM, MICHIGAN, 48009  
 PHONE : 248-433-3500  
 CHEMTREC 1-800-424-9300 (24hr) or 1-812-376-0703 (8AM – 4:30PM)

Supplier :  
 Emergency telephone number

**2. Composition / information on ingredients**

Substance/Preparation : Preparation

To present knowledge of the supplier, this product does not contain any hazardous ingredients in accordance to EU regulations or National regulations.

**3. Hazards identification**

Physical/Chemical Hazards : Not applicable.

**4. First-aid measures**First-Aid measures

- Inhalation** : If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.
- Ingestion** : Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband.
- Skin Contact** : In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention.
- Eye Contact** : Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.

Effects and symptoms

- Eye Contact** : Hazardous in case of eye contact (corrosive).
- Aggravating conditions** : Repeated or prolonged exposure is not known to aggravate medical condition.

**5. Fire-fighting measures**Extinguishing Media

- Suitable** : SMALL FIRE: Use DRY chemical powder.  
 LARGE FIRE: Use water spray, fog or foam. Do not use water jet.
- Special fire-fighting procedures** : Fire fighters should wear positive pressure self-contained breathing apparatus (SCBA) and full turnout gear.
- Protection of fire-fighters** : Be sure to use an approved/certified respirator or equivalent.

**6. Accidental release measures**

- Personal precautions** : Splash goggles. Full suit. Boots. Gloves. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.
- Environmental Precautions and Clean-up Methods** : Absorb with an inert material and put the spilled material in an appropriate waste disposal.

**7. Handling and storage**

- Handling** : Keep container dry. Keep away from heat. Keep away from sources of ignition. Empty containers pose a fire risk, evaporate the residue under a fume hood. Ground all equipment containing material. Do not breathe gas/fumes/vapor/spray. Avoid contact with eyes. Never add water to this product. If you feel unwell, seek medical attention and show the label when possible.
- Storage** : Keep container tightly closed. Keep container in a cool, well-ventilated area.
- Packaging materials**
- Recommended use** : Use original container.

## 8. Exposure controls/personal protection

<a href="#">Engineering measures</a>	: Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location.
<a href="#">Hygiene measures</a>	: Wash hands after handling compounds and before eating, smoking, using lavatory, and at the end of day.
<a href="#">Occupational Exposure Limits</a>	: Not available.
<a href="#">Personal protective equipment</a>	
<a href="#">Skin and body</a>	: Lab coat. Gloves.
<a href="#">Eyes</a>	: Splash goggles.

## 9. Physical and chemical properties

<a href="#">Physical state</a>	: Liquid with natural fiber.
<a href="#">Color</a>	: Brown.
<a href="#">Odor</a>	: Not available.
<a href="#">Melting Point</a>	: -12.5°C (9.5°F)
<a href="#">Density of oil</a>	: 0.881 g/cm <sup>3</sup> (15°C / 59°F)
<a href="#">Solubility</a>	: Insoluble in cold water.
<a href="#">pH</a>	: Not applicable.
<a href="#">Flash point</a>	: OPEN CUP: 280°C (536°F) (Cleveland.).
<a href="#">Explosive properties</a>	: Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Not available.
<a href="#">Viscosity</a>	: Kinetic: 225.5 cS (@40 °)

## 10. Stability and reactivity

<a href="#">Stability</a>	: The product is stable.
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## 11. Toxicological information

<a href="#">Local effects</a>	
<a href="#">Acute toxicity</a>	: LD50: Not available. LC50: Not available.
<a href="#">Chronic toxicity</a>	: Repeated or prolonged exposure is not known to aggravate medical condition.
<a href="#">Specific effects</a>	
<a href="#">Carcinogenic Effects</a>	: This product is formulated with mineral oils which are considered to be severely refined and not considered to be carcinogenic under IARC. All of the oils in this product have been demonstrated to contain less than 3% extractables by the IP 346 test.

## 12. Ecological information

<a href="#">Ecotoxicity</a>	: Not available.
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## 13. Disposal considerations

<a href="#">Methods of disposal ; Waste of residues ; Contaminated packaging</a>	: Waste must be disposed of in accordance with federal, state and local environmental control regulations.
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<a href="#">Waste Classification</a>	: Not applicable.
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<a href="#">European Waste Catalogue (EWC)</a>	: Not available.
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<a href="#">Hazardous Waste</a>	: Not available.
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## 14. Transport information

<a href="#">International transport regulations</a>	
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DM220PP-81

Regulatory Information	UN number	Proper shipping name	Class	Packing Group	Label	Additional information
ADR/RID Class	Not available.	Not available.	Not available.			
ADN Class	Not available.	Not available.	Not available.			
IMDG Class	Not available.	Not available.	Not available.			
IATA-DGR Class	Not available.	Not available.	Not available.			

## 15. Regulatory information

### EU Regulations

**Risk Phrases**

: This product is not classified according to the EU regulations.

**Product Use**

: Classification and labeling have been performed according to EU directives 67/548/EEC, 88/379/EEC including amendments and the intended use.  
- Consumer applications.

## 16. Other information

### HISTORY

Date of printing

: 2002/07/18.

Date of issue

: 2010/02/17.

Date of Previous Issue

: No Previous Validation.

Version

: 1

Prepared by

:

### Notice to Reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. 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 that exist.

Version 1

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