1. Identification of the Substance/Preparation and of the Company/Undertaking

Product identifier
Product name
V-EDM

Other means of identification
Recommended use of the chemical and restrictions on use
Material Uses Cleaner.
Uses advised against Verify Applications

Details of the supplier of the safety data sheet
Manufacturer
Hangsterfer's Laboratories, Inc., 175 Ogden Road, Mantua, NJ 08051; Phone 856-468-0216, Fax 856-468-0200, Website: www.hangsterfers.com

Emergency telephone number
Chemtrec 1-800-424-9300 in US
Canutec 1-613-996-6666 in Canada
For international assistance, dial Chemtrec US number 1-703-527-3887

2. Hazards Identification


Classification
Not a dangerous substance or mixture according to the Globally Harmonized System (GHS)

Label Elements

EMERGENCY OVERVIEW

The product contains no substances which at their given concentration, are considered to be hazardous to health

Appearance Colorless
Physical state Liquid
Odor Mild

Hazards not otherwise classified (HNOC)

Other Information
• No known effect

3. Composition/information on Ingredients

Chemical Family
Straight Oil Type.

4. First aid measures
FIRST AID MEASURES

Eye contact  Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If eye irritation persists, consult a physician if necessary.

Skin contact  Wash skin with soap and water. Consult a physician if necessary.

Inhalation  Move to fresh air. Consult a physician if necessary.

Ingestion  Do not induce vomiting. Drink plenty of water. Consult a physician if necessary.

Most important symptoms and effects, both acute and delayed

Symptoms  None known.

Indication of any immediate medical attention and special treatment needed

Notes to Physician  Treat symptomatically.

5. Fire-fighting measures

Suitable extinguishing media  Water spray or fog, dry chemical, carbon dioxide (CO2) or foam.

Unsuitable extinguishing media  Do not use a solid water stream as it may scatter and spread fire.

Specific hazards arising from the chemical  May be ignited by sparks or flames. Keep product and empty container away from heat and sources of ignition.

Hazardous combustion products  Carbon oxides.

Protective equipment and precautions for firefighters  As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Personal precautions  Remove all sources of ignition. Avoid contact with the skin and the eyes. Wear boots, gloves and protective suit when handling large spills. Ensure adequate ventilation.

Other Information  Report spills as required to the appropriate authorities.

Environmental precautions

Environmental precautions  No unusual hazard.

Methods and material for containment and cleaning up

Methods for containment  Prevent further leakage or spillage if safe to do so. Dike to collect large liquid spills.

Methods for Clean-Up  Take up mechanically and collect in suitable container for disposal.

7. Handling and Storage

Precautions for safe handling

Handling  Avoid contact with eyes. Keep in a well ventilated place. Do not puncture, crush or incinerate containers.
Conditions for safe storage, including any incompatibilities

Storage
Keep container tightly closed in a dry and well ventilated place. Keep away from direct sunlight. Keep away from heat and sources of ignition.

incompatible materials
Strong oxidizing agents.

8. Exposure Controls/Personal Protection

Control parameters

Exposure guidelines
This product does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Appropriate engineering controls
Use in well ventilated area. If user operations generate an oil mist, use process enclosures, local exhaust ventilation or other engineering controls to control airborne levels below the recommended mineral oil mist exposure limits (ACGIH TLV TWA: 5 mg/m$^3$; ACGIH TLV STEL: 10 mg/m$^3$; OSHA PEL TWA: 5 mg/m$^3$).

Individual protection measures, such as personal protective equipment

Eye/face protection
Safety glasses with side-shields.

Skin and Body Protection
Use protective gloves and clothing if contact with product is likely.

Respiratory protection
If personal exposure levels cannot be maintained below accepted exposure limits, NIOSH/MSHA approved respiratory protection should be worn.

General hygiene considerations
Handle in accordance with good industrial hygiene and safety practice.

9. Physical and Chemical Properties

Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Values</th>
<th>Remarks • Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical state</td>
<td>Liquid</td>
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<td>Appearance</td>
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<tr>
<td>Color</td>
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<td>Odor threshold</td>
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<tr>
<td>pH</td>
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<td>Boiling point</td>
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</tr>
<tr>
<td>Flash point</td>
<td>158 °C / 318 °F</td>
<td>Cleveland Open Cup</td>
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<tr>
<td>Evaporation rate</td>
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<td></td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
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<td></td>
</tr>
<tr>
<td>Flammability Limits in Air</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Upper Flammability limits</td>
<td>No unusual hazard</td>
<td></td>
</tr>
<tr>
<td>Lower Flammability Limit</td>
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<td></td>
</tr>
<tr>
<td>Vapor pressure</td>
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</tr>
<tr>
<td>Vapor density</td>
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<tr>
<td>Specific gravity</td>
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<tr>
<td>Partition coefficient</td>
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</tr>
<tr>
<td>Autoignition temperature</td>
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<td></td>
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<tr>
<td>Decomposition temperature</td>
<td>No unusual hazard</td>
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<tr>
<td>Kinematic viscosity</td>
<td>4.1 cSt @ 40°C / 39 SUS @ 100°F</td>
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<tr>
<td>Dynamic viscosity</td>
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<tr>
<td>VOC Content, % Vol</td>
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</table>

10. Stability and Reactivity
Reactivity
No unusual hazard

Chemical stability
Stable under normal conditions.

Possibility of hazardous reactions
None under normal use conditions.

Hazardous polymerization
Hazardous polymerization does not occur.

Conditions to avoid
Keep away from open flames, hot surfaces and sources of ignition.

Incompatible materials
Strong oxidizing agents.

Hazardous decomposition products
Carbon oxides.

11. Toxicological Information

Information on likely routes of exposure

Product Information
Product does not present an acute toxicity hazard based on known information

Inhalation
No unusual hazard.

Eye contact
No unusual hazard.

Skin contact
No unusual hazard.

Ingestion
No unusual hazard.

Information on toxicological effects

Symptoms
None known.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation
Non-irritating to the skin.

Serious eye damage/eye irritation
No unusual hazard.

Sensitization
No known effect.

Mutagenic Effects
Not mutagenic in AMES Test.

Carcinogenicity
No known effect.

Reproductive effects
No known effect.

STOT - single exposure
No information available.

STOT - repeated exposure
No information available.

Chronic toxicity
No known effect.

Aspiration Hazard
No unusual hazard.

Numerical measures of toxicity - Product Information

12. Ecological Information

toxicity
No unusual hazard
Persistence/Degradability
OECD 301B (28 days): >87%

Bioaccumulation/ Accumulation
No unusual hazard.

Other adverse effects
None known

### 13. Disposal Considerations

**Waste treatment methods**

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

**Contaminated packaging**
Do not re-use empty containers.

### 14. Transport Information

**DOT**

- **UN-No**: Not regulated
- **Proper shipping name**: Not regulated
- **Hazard Class**: Not regulated
- **Packing group**: Not regulated
- **Labels**: Not regulated
- **Description**: Not regulated

**TDG**

- **UN-No**: Not regulated
- **Proper shipping name**: Not regulated
- **Hazard Class**: Not regulated
- **Packing group**: Not regulated
- **Labels**: Not regulated
- **Description**: Not regulated

**IMDG/IMO**

- **UN-No**: Not regulated
- **Proper shipping name**: Not regulated
- **Hazard Class**: Not regulated
- **Packing group**: Not regulated
- **Labels**: Not regulated
- **Description**: Not regulated

**ADR/RID**

- **UN-No**: Not regulated
- **Proper shipping name**: Not regulated
- **Hazard Class**: Not regulated
- **Packing group**: Not regulated
- **ADR/RID-Labels**: Not regulated
- **Description**: Not regulated

**IATA**

- **UN-No**: Not regulated
- **Proper shipping name**: Not regulated
15. Regulatory information

U.S. Federal Regulations

SARA 313
Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

SARA 311/312 Hazard Categories

- Acute health hazard: No
- Chronic Health Hazard: No
- Fire hazard: No
- Sudden release of pressure hazard: No
- Reactive Hazard: No

Clean Water Act
This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

CERCLA
This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

U.S. Regulations & Inventories

California Proposition 65
This product does not contain any Proposition 65 chemicals

U.S. State Right-to-Know Regulations

No regulatory requirements found. All components of this product are either listed on the TSCA inventory or are exempt from listing requirements.

U.S. EPA Label information
EPA Pesticide registration number: Not applicable

16. Other information

<table>
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<tr>
<th>NFPA</th>
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<th>Instability</th>
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<th>Personal Protection</th>
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Issue Date: 10-22-2014
Revision date: 01-17-2014
Revision Summary

Disclaimer
The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

End of SDS