

SAFETY DATA SHEET (SDS)

UN GLOBALLY HARMONIZED SYSTEM (GHS) FOR HAZARD COMMUNICATION



BUFFING SOLUTION

Warning

Warning

Warning

-

-

HEALTH

1

FLAMMABILITY

1

PHYSICAL HAZARD

0

PERSONAL PROTECTION

F

SECTION 1: IDENTIFICATION

TUE 9-JUN-2026 11:56

1.1 Product Identification

| | |
|-------------------------------------|------------------|
| GHS Product Identifier/Label | Buffing Solution |
| Product Codes/Names | VMI 2500 |

1.2 Recommended Use of the Chemical and Restrictions on Use

| | |
|----------------------------|-----------------------------|
| Recommended Use | Disk cleaning and polishing |
| Restrictions On Use | None identified |

1.3 Supplier's Details

| | |
|----------------|--|
| Company | VENMILL INDUSTRIES 36 TOWN FOREST RD OXFORD MA 01540-2839 USA |
|----------------|--|

Distributed in Australia by:
REFACE INDUSTRIES
107 Kew Street Welshpool, WA 6106
1300-REFACE (1300-733223)
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EMERGENCY Information Services

In United States, Canada, Puerto Rico, and the US Virgin Islands: 1-866-864-0210; Outside the United States: +01 or +001 508-363-0410 (call collect). Customer Support hours are Monday - Friday from 8:30 AM - 5:00 PM Eastern time (GMT-05:00).

IF A PERSON HAS COLLAPSED, HAD A SEIZURE, HAS TROUBLE BREATHING, OR CANNOT BE AWAKENED, IMMEDIATELY CALL LOCAL EMERGENCY MEDICAL SERVICES (EMS).

REFER TO SDS SECTION 4, THE USA POISON HELP LINE AT 1-800-222-1222, OR USE POISONHELP.ORG

SECTION 2: HAZARD IDENTIFICATION

2.1 Classification of the Substance or Mixture

| | |
|------------------------|---|
| Hazard Category | Serious eye damage/eye irritation Cat 2 |
|------------------------|---|

Flammable Liq Cat 4

2.2 GHS Label Elements

Hazard Pictograms



Signal Words

HEALTH HAZARD

Warning

FLAME

Warning

EXCLAMATION MARK

Warning

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Hazard Statements

H319: Causes serious eye irritation

H227: Combustible liquid

Precautionary Statements

P264: Wash thoroughly after handling

P280: Wear protective gloves/protective clothing/eye protection/face protection

P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing

P337+313: If eye irritation persists get medical advice/attention

P101: If medical advice is needed, have product container or label at hand

P102: Keep out of reach of children

P103: Read label before use

P211: Do not spray on an open flame or other ignition source

P210: Keep away from heat/sparks/open flames/hot surfaces – No smoking

2.3 Unclassified Contributing Hazards

None identified.

2.4 HMIS® Ratings

| | |
|----------------------------|----------|
| HEALTH | 1 |
| FLAMMABILITY | 1 |
| PHYSICAL HAZARD | 0 |
| PERSONAL PROTECTION | F |

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

| Chemical Identity | Common Name | CAS | EC | REACH | Impurity Additives |
|--|-------------|------------|-----------|---------------------------|--------------------|
| Water | | 7732-18-5 | | | |
| Hydrotreated Light Petroleum Distillates | | 64742-47-8 | | | |
| Dodecamethylcyclohexasiloxane | | 540-97-6 | | | |
| Aluminum Oxide | | 1344-28-1 | 215-691-6 | 01-211952924 8-35-0063 | |

| | | | | | |
|--|--|--------------|--|--|--|
| Solvent-refined Heavy Paraffinic Petroleum Distillates | | 64741-88-4 | | | |
| Mineral Oil | | 64741-89-5 | | | |
| Ethylene Oxide, Polymer With Ethylenediamine and Propylene Oxide Cid 5% Per Volume | | Trade Secret | | | |

3.2 Mixtures

| Chemical Identity | Common Name | CAS | EC | REACH | Mass Volume (%) |
|--|-------------|--------------|-----------|------------------------|-----------------|
| Water | | 7732-18-5 | | | 40-70 |
| Hydrotreated Light Petroleum Distillates | | 64742-47-8 | | | 10-30 |
| Dodecamethylcyclohexasiloxane | | 540-97-6 | | | 7-15 |
| Aluminum Oxide | | 1344-28-1 | 215-691-6 | 01-211952924-8-35-0063 | 3-8 |
| Solvent-refined Heavy Paraffinic Petroleum Distillates | | 64741-88-4 | | | 1-5 |
| Mineral Oil | | 64741-89-5 | | | <2 |
| Ethylene Oxide, Polymer With Ethylenediamine and Propylene Oxide Cid 5% Per Volume | | Trade Secret | | | 0.1-1.5 |

SECTION 4: FIRST-AID MEASURES

4.1 Description of Necessary First-Aid Measures

| | |
|-------------------|--|
| EMERGENCY | IF A PERSON HAS COLLAPSED, HAD A SEIZURE, HAS TROUBLE BREATHING, OR CANNOT BE AWAKENED, IMMEDIATELY CALL LOCAL EMERGENCY MEDICAL SERVICES (EMS). REFER TO SDS SECTION 4, THE USA POISON HELP LINE AT 1-800-222-1222, OR USE POISONHELP.ORG |
| General | Movement of the exposed individual from the area to fresh air is recommended. <hr/> Removal and handling of clothing and shoes from the individual is recommended. |
| Inhalation | In case of inhalation exposure: If exposed or concerned, get medical advice/attention. |
| Skin | In case of skin exposure: Take off contaminated clothing, shoes and leather goods (e.g. watchbands, belts). Gently blot or brush away excess product. Wash with plenty of lukewarm, gently flowing water. If skin irritation occurs, get medical advice/attention. Wash contaminated clothing before re-use. |

| | |
|------------------|---|
| Eye | In case of eye exposure: If irritation occurs, cautiously rinse eyes with lukewarm, gently flowing water for 5 minutes, while holding the eyelids open. If eye irritation persists, get medical advice/attention. |
| Ingestion | In case of ingestion: Immediately call local Emergency Medical Services (EMS). Do NOT induce vomiting. If vomiting occurs naturally, lie person on side, in the recovery position. |

4.2 Most Important Symptoms/Effects, Acute and Delayed

Inhalation may cause cough, sneezing, nasal discharge, headache, hoarseness, and nose/throat pain. May cause target organ effects. Skin irritation may redness, swelling, itching, and dryness. Eye contact may cause irritation, redness, pain, and tearing. Ingestion may cause abdominal pain, stomach upset, nausea, vomiting, and diarrhea. Central Nervous System (CNS) effects: headache, dizziness, drowsiness, incoordination, nausea, slowed reaction time, slurred speech, giddiness, and unconsciousness.

4.3 Indication of Immediate Medical Attention and Treatment Needed

If Central Nervous System (CNS) effects (headache, dizziness, drowsiness, incoordination, nausea, slowed reaction time, slurred speech, giddiness, and unconsciousness) occur, call local Emergency Medical Services (EMS).

SECTION 5: FIRE-FIGHTING MEASURES

5.1 Suitable Extinguishing Media

UL-rated 3-A:40-B:C extinguisher is suggested. Suitable media: Carbon dioxide {CO₂}; dry chemical {sodium bicarbonate NaHCO₃, potassium bicarbonate KHCO₃}; low-expansion aqueous film forming foams (AFFF) {1,3-Propanediol CH₂(CH₂OH)₂, 2-Methyl-2,4-pentanediol (CH₃)₂C(OH)CH₂CH(OH)CH₃ + Dodecanol CH₃(CH₂)₁₀CH₂OH}.

5.2 Special Hazards Arising from Chemicals

Formaldehyde CH₂O, carbon monoxide CO, and carbon dioxide CO₂

5.3 Special Protective Actions for Fire-Fighters

Firefighters should wear Self-Contained Breathing Apparatus (SCBA) and full protective equipment.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal Precautions, Protective Equipment and Emergency Procedures

Wear personal protective equipment (PPE) respirator.

6.2 Environmental Precautions

Avoid contamination of water supplies. Report spills as required.

6.3 Methods and Materials for Containment and Cleaning Up

Observe precautions from other sections. Contain spill. Working from around the edges of the spill inward, cover with bentonite, vermiculite, or commercially available inorganic absorbent material. Mix in sufficient absorbent until it appears dry. Collect as much of the spill material as possible. Clean up residue with detergent and water.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for Safe Handling

Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. Wear appropriate personal protective equipment (PPE). Wash thoroughly after handling. Consider potential exposure to processed base materials or coatings.

7.2 Conditions for Safe Storage

Store away from acids and oxidizing agents. Protect from freezing.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control Parameters

| Substances with Exposure Limits (Air/Biological) | Cal/OSHA-PEL | ACGIH® TLV® | EU | Other |
|--|--|-------------|------|---|
| Aluminum Oxide | 5-mg/m ³ TWA (respirable) 15-mg/m ³ TWA (total dust) | None | None | UK: 4-mg/m ³ TWA (respirable) 10-mg/m ³ TWA (inhalable); Germany: 1.5-mg/m ³ TWA (respirable) 4-mg/m ³ TWA (inhalable); China: 4-mg/m ³ TWA; DNEL long-term oral toxicity: 6.2-mg/kg, long-term inhalation toxicity: 15.6-mg/kg |
| Mineral Oil | None | None | None | None |

8.2 Appropriate Engineering Controls

| | |
|--|--|
| Air Concentration | Maintain air concentrations below occupational exposure standards. |
| Local Exhaust Ventilation | Use local exhaust when buffing. |
| Equipment Restrictions | Use in enclosed systems, where possible. |
| Handling Reduction | Wear gloves; use mechanical handling to reduce human contact. |
| Environmental Exposure Controls | No special considerations. Avoid release of material to surface waters. |
| Additional Information | Observe good chemical hygiene practices. Do not smoke or eat while using this product. Wash hands or exposed skin after using the product. Buffing with this product may release substances which require monitoring or control. |

8.3 Individual Protection Measures and Personal Protective Equipment

| | |
|----------------------------|--|
| Eye/Face Protection | Avoid eye contact. Wear safety glasses or face shield per ANSI/ISEA Z87.1-2015 "American National Standard for Occupational and Educational Personal Eye and Face Protection Devices". |
|----------------------------|--|

| | |
|-------------------------------|---|
| Skin Protection | Avoid skin contact. Wear nitrile rubber protective gloves per ANSI/ISEA 105-2016 "American National Standard for Hand Protection Classification". Wear protective clothing per ISO 13688:2013 "Protective clothing -- General requirements" standard. |
| Respiratory Protection | Avoid breathing dusts, vapors, mists, or spray. Wear respirator per ANSI/ASSE Z88.2-2015 "Practices for Respiratory Protection" standard. |
| Hearing Protection | Wear hearing protection per CSA Z94.2-2014 "Hearing protection devices - Performance, selection, care, and use" standard, where operation is noisy. |
| Thermal Hazards | Wear protective gloves per BS EN 407:2004 "Protective gloves against thermal risks (heat and/or fire)" standard, where buffing generates sufficient heat. |

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES AND SAFETY CHARACTERISTICS

9.1 Physical/Chemical Properties

| | |
|-------------------------------------|------------------------------------|
| Physical State | Liquid |
| Color | Blue |
| Odor | Solvent |
| Solubility | Appreciable |
| pH | 7.5-8.5 |
| Density or Relative Density | 0.911-1.007 (H ₂ O = 1) |
| Relative Vapor Density | 4.5 |
| Boiling Point | 212°F |
| Flash Point | >230°F |
| Melting Point/Freezing Point | Not determined. |
| Other | 57.2% volatility |

9.2 Other Information No other information.

SECTION 10: STABILITY AND REACTIVITY

| | |
|--|---|
| 10.1 Reactivity | Not reactive. |
| 10.2 Chemical Stability | Product is stable at room temperature. |
| 10.3 Possibility of Hazardous Reactions | None known. |
| 10.4 Conditions to Avoid | Avoid sparks, flames, excessive heat. Avoid oxidizing agents. |
| 10.5 Incompatible Materials | Strong acids and oxidizing agents. |
| 10.6 Hazardous Decomposition Products | Polymerization will not occur. |

SECTION 11: TOXICOLOGICAL INFORMATION**11.1 Toxicological Health Hazards**

| | |
|--|---|
| Acute Toxicity | Health effects information is not available. |
| Skin Corrosion/Irritation | May cause skin irritation |
| Serious Eye Damage/Irritation | May cause irritation with redness and tearing. |
| Respiratory or Skin Sensitization | No sensitization known from human experience. |
| Germ Cell Mutagenicity | Health effects information is not available. |
| Carcinogenicity | Health effects information is not available. |
| Reproductive Toxicity | Health effects information is not available. |
| STOT-Single Exposure | Health effects information is not available. |
| STOT-Repeated Exposure | Health effects information is not available. |
| Aspiration Hazard | Mists may cause mild irritation to nose, throat, and upper respiratory tract. |

11.2 Likely Routes of Exposure Health effects information is not available.

11.3 Symptoms Related to Toxicological Characteristics Health effects information is not available.

11.4 Delayed, Immediate, Chronic Effects of Short/Long Term Exposure Health effects information is not available.

11.5 Numerical Measures of Toxicity Health effects information is not available.

11.6 Interactive Effects Health effects information is not available.

11.7 Where Specific Data Are Not Available Health effects information is not available.

11.8 Mixtures Health effects information is not available.

11.9 Mixture vs. Ingredient Information Health effects information is not available.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity No specific data available.

12.2 Persistence and Degradability No specific data available.

12.3 Bioaccumulative Potential No specific data available.

12.4 Mobility in Soil No specific data available.

12.6 Other adverse effects No specific data available.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Disposal Methods

| | |
|---------------------------------|---|
| Safety of Persons | For the safety of persons conducting disposal, recycling, or reclamation activities, refer to information in section 8 (exposure controls and personal protection) of this SDS. |
| Proper Disposal | Dispose of product in accordance with local, regional, and national regulations. Consult with waste contractor. |
| Sewage Disposal | Many sewage treatment agencies responsible for wastewater treatment discourage or forbid disposal into sanitary sewers. |
| Incineration Precautions | Dispose at a waste disposal installation for the incineration, chemical treatment, or landfill of toxic and dangerous waste. |

SECTION 14: TRANSPORT INFORMATION

14.1 UN Model Regulations

| | |
|--|--|
| UN Number | Not listed; no action required. |
| UN Proper Shipping Name | Not regulated; no action required. |
| Transport Hazard Class(es) | Not listed; no action required. |
| Packing Group | Not listed; no action required. |
| Environmental Hazards | Information not available (N/A) or relevant. |
| Special Precautions for User | Information not available (N/A) or relevant. |
| Transport in Bulk per Annex II of MARPOL 73/78 & IBC Code | Not listed; no action required. |

14.2 Intermodal Shipment Declarations

| | |
|------------------|---------------------------------|
| DOT FMCSA | Not listed; no action required. |
| ADR | Not listed; no action required. |
| IMO IMDG | Not listed; no action required. |
| IATA DGR | Not listed; no action required. |

SECTION 15: REGULATORY INFORMATION

15.1 Safety, Health and Environmental Regulations

| | |
|------------------|------------------------------------|
| TSCA 21st | Not regulated; no action required. |
| AICS | Not regulated; no action required. |
| CEPA | Not regulated; no action required. |

| | |
|---------------|------------------------------------|
| EINECS | Not regulated; no action required. |
| SARA | Not regulated; no action required. |
| CERCLA | Not regulated; no action required. |
| RCRA | Not regulated; no action required. |
| REACH | Not regulated; no action required. |

SECTION 16: OTHER INFORMATION

| | |
|---|--|
| 16.1 Revision Date | Tue 9-Jun-2026 11:56 |
| 16.2 Revision Letter | D |
| 16.3 Revision Notes | <p>A1: Conversion to UN GHS 2017 SDS format</p> <p>B: Corrected address</p> <p>C: Regulatory updates</p> <p>D: Periodic 5-year SDS review completed</p> |
| 16.4 Key/Legend Glossary of Terms Used | <p>DOT FMCSA: US Department of Transportation Federal Motor Carrier Safety Administration {49 CFR §390 et seq.} 2021</p> <p>ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road {UN ECE/TRANS/42 (Vol I)} 2021</p> <p>IMO IMDG: United Nations International Maritime Organization International Maritime Dangerous Goods Code {IMDG Code, 2020 Edition (inc. Amendment 40-20)} 2022</p> <p>IATA DGR: International Air Transport Association Dangerous Goods Regulations {2022 Dangerous Goods Regulations Manual Edition 63} 2022</p> <p>TSCA 21st: US Toxic Substances Control Act as amended by the US Frank R. Lautenberg Chemical Safety for the 21st Century Act {15 USC §2601 et seq.} 2016</p> <p>AICS: Australian Inventory of Chemical Substances (AICS) {Industrial Chemicals (Notification and Assessment) Act C2013C00643} 1990</p> <p>CEPA: Canadian Environmental Protection Act {S.C. 1999, c. 33} 1999</p> <p>EINECS: European INventory of Existing Commercial Chemical Substances {Directive 67/548/EEC as amended by Directive 79/831/EEC per Commission Decision 81/437/EEC} 2008</p> <p>SARA: US Superfund Amendments and Reauthorization Act {42 USC §9601 et seq.} 2018</p> <p>CERCLA: US Comprehensive Environmental Response, Compensation, and Liability Act - Superfund {42 USC §9601 et seq.} 1980</p> <p>RCRA: Resource Conservation and Recovery Act {40 CFR §§239-282} 1999</p> <p>REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals {Regulation (EC) No 1907/2006 amended by Commission Regulation (EU) 2017/999 and Commission Regulation (EU) 2017/1510} 2017</p> |

16.5 SDS Compliance

GHS: UN Globally Harmonized System of Classification and Labelling of Chemicals (GHS) {United Nations Economic Commission for Europe (UNECE) ST/SG/AC.10/30/Rev.7} 2017

OSHA: US Department of Labor Occupational Safety and Health Administration {Hazard Communication Standard (HCS) 29 CFR §1910.1200(g)} 2012

REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals {Regulation (EC) No 1907/2006 amended by Commission Regulation (EU) 2017/999 and Commission Regulation (EU) 2017/1510} 2017

WHMIS: Canada Workplace Hazardous Materials Information System {SOR/2015-17} 2015

HMIS®: American Coatings AssociationSM (ACA) Hazardous Materials Identification System (HMIS®) {HMIS® Implementation Manual, Fourth Edition} 2017

PICTOGRAM: United Nations Economic Commission for Europe (UNECE) Pictograms {URL: <https://www.unece.org/trans/danger/publi/ghs/pictograms.html>} 2017

16.6 Employer Responsibilities

Employers must ensure that Safety Data Sheets (SDS) for all hazardous chemicals in their workplace are readily accessible to Employees. SDS access and distribution should be considered for Consumers, Employees, former Employees, and Contractors. Employers should designate the person(s) responsible for obtaining and maintaining SDS. If the Employer does not have an SDS, the Employer or designated person(s) should contact the Manufacturer to obtain a current version. Under the US OSHA Access to Employee Exposure and Medical Records standard {29 CFR §1910.1020}, Employers are required to keep a record of Employee exposure to hazardous materials at work. These "Employee exposure records" shall be retained 30+ years after their employment has ended.

16.7 SDS Distribution

Safety Data Sheets (SDS) must be distributed to direct Customers (distributors) at the time of first product shipment. When an SDS is updated, it must be sent with the next product shipment or within three (3) months of learning of "new or significant information". This SDS must be transmitted, stored, recovered, printed, rendered, and copied in its entirety (sections 1-16) and in full color to lawfully depict the branding, Hazard Pictograms, HMIS® ratings, and statements with emphasis.

16.8 Disclaimer

The information contained herein is considered the best available for compliance at the revision date; it is provided for the purpose of hazard communication. The Supplier does not claim it to be all inclusive. No warranty is expressed or implied regarding data accuracy. It does not represent any guarantee of the properties or performance of the product. Use of this product is not within the control of the Supplier; it is the user's obligation to determine the suitability of the product for its intended application and to assume all risk and liability for its safe use.

16.9 EMERGENCY

IF A PERSON HAS COLLAPSED, HAD A SEIZURE, HAS TROUBLE BREATHING, OR CANNOT BE AWAKENED, IMMEDIATELY CALL LOCAL EMERGENCY MEDICAL SERVICES (EMS).

REFER TO SDS SECTION 4, THE USA POISON HELP LINE AT 1-800-222-1222, OR USE POISONHELP.ORG

END OF SDS: BUFFING SOLUTION