



A CSW Industrials Company

SAFETY DATA SHEET

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1. IDENTIFICATION

Product identifier

Product Name V-2®

Other means of identification

Product Code(s) 355

Synonyms V-2 Pipe Thread Sealant Fed Spec TT-S-1732

Recommended use of the chemical and restrictions on use

Recommended Use Lubricants, Greases and Release Products

Uses advised against No information available

Details of the supplier of the safety data sheet

Supplier Identification Jet-Lube LLC

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1-800-424-9300 (NORTH AMERICA)

2. HAZARDS IDENTIFICATION

Classification

| | |
|-----------------------------------|-------------|
| Serious eye damage/eye irritation | Category 2A |
|-----------------------------------|-------------|



Appearance Rose**Physical state** Gel**Odor** Slight Pungent**GHS Label elements, including precautionary statements****Warning****Hazard statements**

Causes serious eye irritation

**Precautionary Statements - Prevention**

Wash face, hands and any exposed skin thoroughly after handling

Wear eye protection/ face protection

Precautionary Statements - Response

Specific treatment is urgent (see supplemental first aid instructions on this label)

Eyes

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
 If eye irritation persists: Get medical advice/attention

Precautionary Statements - Storage

Store in accordance with local regulations

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

Other information

Unknown acute toxicity 68.4 % of the mixture consists of ingredient(s) of unknown toxicity
 70.2 % of the mixture consists of ingredient(s) of unknown acute oral toxicity
 61.45 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity
 71.6 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas)
 71.6 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor)
 66 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist)

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance

Not applicable.

Mixture**Synonyms**

V-2 Pipe Thread Sealant Fed Spec TT-S-1732

| Chemical name | CAS-No | Percent | Hazardous Material Information Review Act registry number (HMIRA registry #) | Date HMIRA filed and date exemption granted (if applicable) |
|---------------|--------|---------|--|---|
| | | | | |

| | | | | |
|-------------------|------------|-------|---|---|
| Limestone | 1317-65-3 | 20-25 | - | - |
| Mica | 12001-26-2 | 10-15 | - | - |
| Diacetone alcohol | 123-42-2 | 10-15 | - | - |
| Bentonite | 1302-78-9 | 7-10 | - | - |
| Ptfe | 9002-84-0 | 2-5 | - | - |
| Titanium dioxide | 13463-67-7 | 1-2 | - | - |

4. FIRST AID MEASURES

First aid measures

| | |
|---|--|
| General advice | Immediate medical attention is required. Show this safety data sheet to the doctor in attendance. |
| Inhalation | If breathing has stopped, give artificial respiration. Get medical attention immediately. Remove to fresh air. Do not use mouth-to-mouth method if victim ingested or inhaled the substance; give artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. If breathing is difficult, (trained personnel should) give oxygen. |
| Eye contact | Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Keep eye wide open while rinsing. Do not rub affected area. Get medical attention if irritation develops and persists. |
| Skin contact | Wash skin with soap and water. |
| Ingestion | Do NOT induce vomiting. Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. Call a physician or Poison Control Center immediately. |
| Self-protection of the first aider | Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination. Do not breathe vapor or mist. Do not use mouth-to-mouth method if victim ingested or inhaled the substance; give artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Use personal protective equipment as required. See section 8 for more information. Avoid contact with skin, eyes or clothing. |

Most important symptoms and effects, both acute and delayed

| | |
|-----------------|--|
| Symptoms | Coughing and/ or wheezing. Difficulty in breathing. Burning sensation. |
|-----------------|--|

Indication of any immediate medical attention and special treatment needed

| | |
|---------------------------|------------------------|
| Note to physicians | Treat symptomatically. |
|---------------------------|------------------------|

5. FIRE-FIGHTING MEASURES

| | |
|---|---|
| Suitable Extinguishing Media | Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. |
| Unsuitable extinguishing media | CAUTION: Use of water spray when fighting fire may be inefficient. |
| Specific hazards arising from the chemical | No information available. |
| Hazardous Combustion Products | Carbon oxides. |

Explosion Data**Sensitivity to Mechanical Impact** None.**Sensitivity to Static Discharge** None.**Special protective equipment for fire-fighters**

Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

6. ACCIDENTAL RELEASE MEASURES**Personal precautions, protective equipment and emergency procedures****Personal precautions**

Ensure adequate ventilation. Avoid contact with skin, eyes or clothing. Do not breathe vapor or mist. Use personal protective equipment as required. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.

Other Information

Refer to protective measures listed in Sections 7 and 8.

Environmental precautions**Environmental precautions**

See Section 12 for additional Ecological Information.

Methods and material for containment and cleaning up**Methods for containment**

Prevent further leakage or spillage if safe to do so.

Methods for cleaning up

Dam up. Soak up with inert absorbent material. Pick up and transfer to properly labeled containers.

Prevention of secondary hazards

Clean contaminated objects and areas thoroughly observing environmental regulations.

7. HANDLING AND STORAGE**Precautions for safe handling****Advice on safe handling**

Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Do not breathe vapor or mist. In case of insufficient ventilation, wear suitable respiratory equipment. Handle product only in closed system or provide appropriate exhaust ventilation. Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash before reuse.

Conditions for safe storage, including any incompatibilities**Storage Conditions**

Keep containers tightly closed in a dry, cool and well-ventilated place. Store locked up. Keep out of the reach of children.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION**Control parameters****Exposure Limits**

| Chemical name | ACGIH TLV | OSHA PEL | NIOSH IDLH |
|---------------|-----------|---------------------------|--|
| Limestone | - | TWA: 15 mg/m ³ | TWA: 5 mg/m ³ respirable dust |

| 1317-65-3 | | TWA: 5 mg/m ³ (vacated) TWA: 15 mg/m ³ (vacated) TWA: 5 mg/m ³ | TWA: 10 mg/m ³ total dust | |
|--------------------------------|--|--|--|---|
| Mica 12001-26-2 | TWA: 3 mg/m ³ | TWA: 20 mppcf (<1% crystalline silica) 3 mg/m ³ (vacated) | IDLH: 1500 mg/m ³ containing <1% quartz TWA: 3 mg/m ³ respirable dust | |
| Diacetone alcohol 123-42-2 | TWA: 50 ppm | TWA: 50 ppm TWA: 240 mg/m ³ (vacated) TWA: 50 ppm (vacated) TWA: 240 mg/m ³ | IDLH: 1800 ppm TWA: 50 ppm TWA: 240 mg/m ³ | |
| Bentonite 1302-78-9 | TWA: 1 mg/m ³ respirable fraction | - | | |
| Titanium dioxide 13463-67-7 | TWA: 10 mg/m ³ | TWA: 15 mg/m ³ total dust (vacated) TWA: 10 mg/m ³ total dust | IDLH: 5000 mg/m ³ | |
| Chemical name | Alberta | British Columbia | Ontario TWAEV | Quebec |
| Limestone 1317-65-3 | TWA: 10 mg/m ³ | TWA: 10 mg/m ³ TWA: 3 mg/m ³ STEL: 20 mg/m ³ | | TWA: 10 mg/m ³ |
| Mica 12001-26-2 | TWA: 3 mg/m ³ | TWA: 3 mg/m ³ | TWA: 3 mg/m ³ | TWA: 3 mg/m ³ |
| Diacetone alcohol 123-42-2 | TWA: 50 ppm TWA: 238 mg/m ³ | TWA: 50 ppm | TWA: 50 ppm | TWA: 50 ppm TWA: 238 mg/m ³ |
| Bentonite 1302-78-9 | | TWA: 1.0 mg/m ³ | TWA: 1 mg/m ³ | |
| Ptfe 9002-84-0 | | | | TWA: 2.5 mg/m ³ |
| Titanium dioxide 13463-67-7 | TWA: 10 mg/m ³ | TWA: 10 mg/m ³ TWA: 3 mg/m ³ | TWA: 10 mg/m ³ | TWA: 10 mg/m ³ |

Other Exposure Guidelines

Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992).

Appropriate engineering controls**Engineering controls**

Showers
Eyewash stations
Ventilation systems.

Individual protection measures, such as personal protective equipment**Eye/face protection**

If splashes are likely to occur, wear safety glasses with side-shields.

Hand protection

Wear suitable gloves. Viton™. Nitrile rubber. Neoprene gloves.

Skin and body protection

Wear suitable protective clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

General hygiene considerations

Avoid contact with skin, eyes or clothing. Do not breathe vapor or mist. Wear suitable gloves and eye/face protection. Do not eat, drink or smoke when using this product. Remove and wash contaminated clothing and gloves, including the inside, before re-use. Contaminated work clothing should not be allowed out of the workplace. Regular cleaning of equipment, work area and clothing is recommended. Wash hands before breaks and immediately after handling the product. Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical and Chemical Properties

| | |
|-----------------------|--------------------------|
| Physical state | Gel |
| Appearance | Rose |
| Odor | Slight Pungent |
| Color | No information available |
| Odor Threshold | Not applicable |

| <u>Property</u> | <u>Values</u> | <u>Remarks Method</u> |
|--|--------------------------|-----------------------|
| pH | 7 | |
| Melting / freezing point | 149 °C | None known |
| Boiling point / boiling range | No data available | None known |
| Flash Point | > 113 °C | None known |
| Evaporation Rate | No data available | None known |
| Flammability (solid, gas) | No data available | None known |
| Flammability Limit in Air | | None known |
| Upper flammability limit | No data available | |
| Lower flammability limit | No data available | |
| Vapor pressure | No data available | None known |
| Vapor density | No data available | None known |
| Relative density | 1.40 | |
| Water Solubility | Insoluble | |
| Solubility(ies) | Completely soluble | None known |
| Partition coefficient: n-octanol/water | Not Applicable | |
| Autoignition temperature | No data available | None known |
| Decomposition temperature | No data available | None known |
| Kinematic viscosity | No data available | None known |
| Dynamic viscosity | No data available | None known |
| Explosive properties | No information available | |
| Oxidizing properties | No information available | |
| Other Information | | |
| Softening Point | No information available | |
| Molecular Weight | No information available | |
| VOC Content (%) | No information available | |
| Liquid Density | No information available | |
| Bulk Density | No information available | |
| Particle Size | No information available | |
| Particle Size Distribution | No information available | |

| |
|-------------------------------------|
| 10. STABILITY AND REACTIVITY |
|-------------------------------------|

| | |
|---|---|
| Reactivity | No information available. |
| Chemical stability | Stable under normal conditions. |
| Possibility of Hazardous Reactions | None under normal processing. |
| Hazardous Polymerization | Hazardous polymerization does not occur. |
| Conditions to avoid | Excessive heat. |
| Incompatible materials | None known based on information supplied. |
| Hazardous Decomposition Products | Carbon oxides. |

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

| | |
|---------------------|---|
| Inhalation | Specific test data for the substance or mixture is not available. Fatal if inhaled. (based on components). May cause irritation of respiratory tract. |
| Eye contact | Specific test data for the substance or mixture is not available. Causes serious eye irritation. (based on components). May cause redness, itching, and pain. |
| Skin contact | Specific test data for the substance or mixture is not available. May cause irritation. Prolonged contact may cause redness and irritation. |
| Ingestion | Specific test data for the substance or mixture is not available. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. |

Information on toxicological effects

| | |
|-----------------|--|
| Symptoms | Coughing and/ or wheezing. Difficulty in breathing. May cause redness and tearing of the eyes. |
|-----------------|--|

Numerical measures of toxicity

Acute Toxicity

The following values are calculated based on chapter 3.1 of the GHS document .

| | |
|--------------------------------------|-----------------|
| ATEmix (dermal) | 51,273.00 mg/kg |
| ATEmix (inhalation-dust/mist) | 0.49 mg/L |

| | |
|-------------------------------|--|
| Unknown acute toxicity | 68.4 % of the mixture consists of ingredient(s) of unknown toxicity |
| | 70.2 % of the mixture consists of ingredient(s) of unknown acute oral toxicity |
| | 61.45 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity |
| | 71.6 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas) |
| | 71.6 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor) |
| | 66 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist) |

Component Information

| Chemical name | Oral LD50 | Dermal LD50 | Inhalation LC50 |
|-------------------|-----------------------|--|-------------------------------------|
| Diacetone alcohol | > 4 g/kg (Rat) | = 13630 mg/kg (Rabbit) = 13500 mg/kg (Rabbit) | > 7.23 g/m ³ (Rat) 8 h |
| Bentonite | > 5000 mg/kg (Rat) | - | - |
| Titanium dioxide | > 10000 mg/kg (Rat) | - | > 6820 mg/m ³ |

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

| | |
|--|---|
| Skin corrosion/irritation | May cause skin irritation. |
| Serious eye damage/eye irritation | Classification based on data available for ingredients. |
| Respiratory or skin sensitization | No information available. |
| Germ cell mutagenicity | No information available. |
| Carcinogenicity | Classification based on data available for ingredients. |

The table below indicates whether each agency has listed any ingredient as a carcinogen.

| Chemical name | ACGIH | IARC | NTP | OSHA |
|---------------|-------|---------|-----|------|
| Ptfe | - | Group 3 | - | - |

| | | | | |
|--------------------------------|---|----------|---|---|
| 9002-84-0 | | | | |
| Titanium dioxide 13463-67-7 | - | Group 2B | - | X |

Legend**IARC (International Agency for Research on Cancer)**

Group 2B - Possibly Carcinogenic to Humans

Group 3 - Not Classifiable as to Carcinogenicity in Humans

OSHA (Occupational Safety and Health Administration of the US Department of Labor)

X - Present

Reproductive toxicity No information available.**STOT - single exposure** No information available.**STOT - repeated exposure** No information available.**Aspiration hazard** No information available.

12. ECOLOGICAL INFORMATION

Ecotoxicity The environmental impact of this product has not been fully investigated.

| Chemical name | Toxicity to Algae | Toxicity to Fish | Toxicity to Microorganisms | Daphnia Magna (Water Flea) |
|-------------------|-------------------|---|----------------------------|----------------------------|
| Diacetone alcohol | - | 96h LC50: = 420 mg/L (Lepomis macrochirus) | - | 24h EC50: = 8750 mg/L |
| Bentonite | - | LC50 96 h: 8.0-19.0 g/L (Salmo gairdneri) LC50 96 h: = 19000 mg/L static (Oncorhynchus mykiss) | - | - |

Persistence and Degradability No information available.**Bioaccumulation**

| Chemical name | Log Pow |
|-------------------|---------|
| Diacetone alcohol | 1.03 |

Mobility No information available.**Other adverse effects** No information available.

13. DISPOSAL CONSIDERATIONS

Waste treatment methods**Waste from residues/unused products** Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.**Contaminated packaging** Do not reuse empty containers.

14. TRANSPORT INFORMATION

| | |
|-----------------|---------------|
| <u>DOT</u> | NOT REGULATED |
| <u>TDG</u> | NOT REGULATED |
| <u>MEX</u> | NOT REGULATED |
| <u>ICAO</u> | NOT REGULATED |
| <u>IATA</u> | NOT REGULATED |
| <u>IMDG/IMO</u> | NOT REGULATED |
| <u>RID</u> | NOT REGULATED |
| <u>ADR</u> | NOT REGULATED |
| <u>ADN</u> | NOT REGULATED |

15. REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture

International Regulations

Ozone-depleting substances (ODS) Not applicable

Persistent Organic Pollutants Not applicable

Export Notification requirements Not applicable

International Inventories

| | |
|----------------------|---|
| TSCA | Contact supplier for inventory compliance status. |
| DSL/NDSL | Complies. |
| EINECS/ELINCS | Complies. |
| ENCS | Not determined. |
| KECL | Complies. |
| PICCS | Complies. |
| AICS | Complies. |

Legend

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
ENCS - Japan Existing and New Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances
PICCS - Philippines Inventory of Chemicals and Chemical Substances
AICS - Australian Inventory of Chemical Substances

US 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

Acute Health Hazard

No



| | |
|-----------------------------------|----|
| Chronic Health Hazard | No |
| Fire Hazard | No |
| Sudden release of pressure hazard | No |
| Reactive Hazard | No |

CWA (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

US State Regulations**California Proposition 65**

This product contains the following Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

This product may contain substances regulated by state right-to-know regulations.

| Chemical name | New Jersey | Massachusetts | Pennsylvania | Rhode Island | Illinois |
|--------------------------------|------------|---------------|--------------|--------------|----------|
| Limestone 1317-65-3 | X | X | X | X | |
| Mica 12001-26-2 | X | X | X | X | |
| Diacetone alcohol 123-42-2 | X | X | X | | |
| Ptfe 9002-84-0 | | | X | X | |
| Titanium dioxide 13463-67-7 | X | X | X | X | - |

16. OTHER INFORMATION

| | | | | |
|-------------|------------------|----------------|--------------------|------------------------------------|
| NFPA | Health hazards 2 | Flammability 1 | Instability 0 | Physical and Chemical Properties - |
| HMIS | Health hazards 2 | Flammability 1 | Physical hazards 0 | Personal Protection X |

Prepared By Product Stewardship
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Disclaimer

The information provided in this Safety Data Sheet 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 guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered 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 materials or in any process, unless specified in the text

End of Safety Data Sheet