



A CSW Industrials Company

# SAFETY DATA SHEET

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Brazil / English



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## 1. IDENTIFICATION

### Product identifier

**Product Name** JET-LUBE® TF-15®

### Other means of identification

**Product Code(s)** WPS-JLI-019

**Synonyms** TF-15®

### Recommended use of the chemical and restrictions on use

**Recommended Use** Sealant Lubricants, Greases and Release Products

**Uses advised against** No information available

### Details of the supplier of the safety data sheet

**Supplier Identification** Jet-Lube of Canada LLC

**Address** Jet-Lube of Canada LLC  
3820 - 97 Street NW  
Edmonton, AB. Canada  
T6E 5S8

**Telephone** JLC Office 1.780.463.7441 Toll Free 1.888.771.7775

**E-mail** Sales@jetlubecanada.com

### Emergency telephone number

**Company Emergency Phone Number** 1-800-699-6318

**Emergency Telephone Number** CHEMTREC: +1-703-527-3887 (INTERNATIONAL)  
1-800-424-9300 (NORTH AMERICA)

## 2. HAZARDS IDENTIFICATION

### Classification

|                    |            |
|--------------------|------------|
| Skin sensitization | Category 1 |
|--------------------|------------|



**Appearance** Black

**Physical state** Paste / Gel

**Odor** Pungent

**GHS Label elements, including precautionary statements**

**Warning**

**Hazard statements**

May cause an allergic skin reaction



**Precautionary Statements - Prevention**

Obtain special instructions before use

Do not handle until all safety precautions have been read and understood

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

Do not breathe dust/fume/gas/mist/vapors/spray

Use only outdoors or in a well-ventilated area

Contaminated work clothing must not be allowed out of the workplace

**Precautionary Statements - Response**

IF exposed or concerned: Get medical advice/attention

**Skin**

IF ON SKIN: Wash with plenty of water and soap

If skin irritation or rash occurs: Get medical advice/attention

Wash contaminated clothing before reuse

**Inhalation**

IF INHALED: Remove person to fresh air and keep comfortable for breathing

Immediately call a POISON CENTER or doctor

**Precautionary Statements - Storage**

Store locked up

Store in a well-ventilated place. Keep container tightly closed

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**Other information**

Toxic by eye contact May be harmful if swallowed

**Unknown acute toxicity** 99.5 % of the mixture consists of ingredient(s) of unknown toxicity

52.5 % of the mixture consists of ingredient(s) of unknown acute oral toxicity

99.5 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity

99.5 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas)

99.5 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor)

82.2 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist)

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Substance**

Not applicable.

**Mixture****Synonyms**

TF-15®

| Chemical name  | CAS No     | Weight-% | Hazardous Material Information Review Act registry number (HMIRA registry #) | Date HMIRA filed and date exemption granted (if applicable) |
|--|------------|----------|--|---|
| Lubricating greases A complex combination of hydrocarbons having carbon numbers predominantly in the range of C12 through C50. may contain organic salts of alkali metals, alkaline earth metals, etc. | 74869-21-9 | 40-50    | -  | -   |
| Ptfe   | 9002-84-0  | 15-20    | -  | -   |
| Graphite   | 7782-42-5  | 15-18    | -  | -   |
| Talc   | 14807-96-6 | 10-15    | -  | -   |
| Mica   | 12001-26-2 | 5-7      | -  | -   |
| 1,3,4-Thiadiazole, 2,5-bis(octylidithio)-  | 13539-13-4 | 0-1      | -  | -   |
| Polybutene   | 9003-29-6  | <1.0     | -  | -   |

#### 4. FIRST AID MEASURES

**First aid measures****General advice**

Immediate medical attention is required. Show this safety data sheet to the doctor in attendance. IF exposed or concerned: Get medical advice/attention.

**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 thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.

**Skin contact**

Wash with soap and water. May cause an allergic skin reaction. In the case of skin irritation or allergic reactions see a physician.

**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.

**Most important symptoms and effects, both acute and delayed**

**Symptoms** Coughing and/ or wheezing. Difficulty in breathing. Itching. Rashes. Hives.

**Indication of any immediate medical attention and special treatment needed**

**Note to physicians** May cause sensitization in susceptible persons. Treat symptomatically.

## 5. FIRE-FIGHTING MEASURES

|   |  |
|---|--|
| <b>Suitable Extinguishing Media</b>                   | Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.  |
| <b>Unsuitable extinguishing media</b>                 | CAUTION: Use of water spray when fighting fire may be inefficient.   |
| <b>Specific hazards arising from the chemical</b>     | Product is or contains a sensitizer. May cause sensitization by skin contact.  |
| <b>Hazardous Combustion Products</b>                  | Carbon oxides. Thermal decomposition of product above 300 degrees (C), can create Carbonyl fluoride, which combines with air and moisture and hydrolyses to Hydrogen Fluoride and Carbon Dioxide. Other PTFE degradation products include; perfluoroisobutylene, tetrafluoroethylene, hexafluoropropylene, carbon monoxide and trifluoromethane. |
| <b>Explosion Data</b>                                 |  |
| <b>Sensitivity to Mechanical Impact</b>               | None.  |
| <b>Sensitivity to Static Discharge</b>                | None.  |
| <b>Special protective equipment for fire-fighters</b> | 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** Prevent further leakage or spillage if safe to do so. Should not be released into the environment. Do not allow to enter into soil/subsoil. Prevent product from entering drains.

**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   |                            |
|-----------------------|---|---|--|----------------------------|
| Graphite<br>7782-42-5 | TWA: 2 mg/m <sup>3</sup> respirable particulate matter all forms except graphite fibers | TWA: 15 mg/m <sup>3</sup> total dust synthetic<br>TWA: 5 mg/m <sup>3</sup> respirable fraction synthetic (vacated) TWA: 2.5 mg/m <sup>3</sup> respirable dust natural (vacated) TWA: 10 mg/m <sup>3</sup> total dust synthetic (vacated) TWA: 5 mg/m <sup>3</sup> respirable fraction synthetic TWA: 15 mppcf natural | IDLH: 1250 mg/m <sup>3</sup><br>TWA: 2.5 mg/m <sup>3</sup> respirable dust                     |                            |
| Talc<br>14807-96-6    | TWA: 2 mg/m <sup>3</sup>  | (vacated) TWA: 2 mg/m <sup>3</sup>  | IDLH: 1000 mg/m <sup>3</sup> containing no asbestos and <1% quartz<br>TWA: 2 mg/m <sup>3</sup> |                            |
| Mica<br>12001-26-2    | TWA: 3 mg/m <sup>3</sup>  | TWA: 20 mppcf (<1% crystalline silica)<br>3 mg/m <sup>3</sup> (vacated)   | IDLH: 1500 mg/m <sup>3</sup> containing <1% quartz<br>TWA: 3 mg/m <sup>3</sup> respirable dust |                            |
| Chemical name         | Alberta   | British Columbia  | Ontario TWAEV  | Quebec                     |
| Ptfe<br>9002-84-0     |   |   |  | TWA: 2.5 mg/m <sup>3</sup> |
| Graphite<br>7782-42-5 | TWA: 2 mg/m <sup>3</sup>  | TWA: 2 mg/m <sup>3</sup>  | TWA: 2 mg/m <sup>3</sup>   | TWA: 2 mg/m <sup>3</sup>   |
| Talc<br>14807-96-6    | TWA: 2 mg/m <sup>3</sup>  | TWA: 2 mg/m <sup>3</sup>  | TWA: 2 mg/m <sup>3</sup>   | TWA: 3 mg/m <sup>3</sup>   |
| Mica<br>12001-26-2    | TWA: 3 mg/m <sup>3</sup>  | TWA: 3 mg/m <sup>3</sup>  | TWA: 3 mg/m <sup>3</sup>   | TWA: 3 mg/m <sup>3</sup>   |

**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**

|                                       |   |
|---------------------------------------|---|
| <b>Eye/face protection</b>            | Wear safety glasses with side shields (or goggles).   |
| <b>Hand protection</b>                | Wear suitable gloves.   |
| <b>Skin and body protection</b>       | Wear suitable protective clothing.  |
| <b>Respiratory protection</b>         | When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.  |
| <b>General hygiene considerations</b> | 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. |

|  |
|--|
| <b>9. PHYSICAL AND CHEMICAL PROPERTIES</b> |
|--|

**Physical and Chemical Properties**

|                       |                          |
|-----------------------|--------------------------|
| <b>Physical state</b> | Paste / Gel              |
| <b>Appearance</b>     | Black                    |
| <b>Odor</b>           | Pungent                  |
| <b>Color</b>          | No information available |
| <b>Odor Threshold</b> | No information available |

| <u>Property</u>                        | <u>Values</u>            | <u>Remarks Method</u> |
|--|--------------------------|-----------------------|
| pH                                     | 7                        |                       |
| Melting / freezing point               | 260 °C                   | None known            |
| Boiling point / boiling range          | 316 °C                   |                       |
| Flash Point                            | > 221 °C                 |                       |
| 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                       | 1.23                     |                       |
| Water Solubility                       | Negligible               |                       |
| Solubility(ies)                        | No data available        | None known            |
| Partition coefficient: n-octanol/water | Not Available            |                       |
| 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**

|                                   |                          |
|-----------------------------------|--------------------------|
| <b>Softening Point</b>            | No information available |
| <b>Molecular Weight</b>           | No information available |
| <b>VOC Content (%)</b>            | Negligible               |
| <b>Liquid Density</b>             | No information available |
| <b>Bulk Density</b>               | No information available |
| <b>Particle Size</b>              | No information available |
| <b>Particle Size Distribution</b> | No information available |

## 10. STABILITY AND REACTIVITY

|   |  |
|---|--|
| <b>Reactivity</b>                         | No information available.  |
| <b>Chemical stability</b>                 | Stable under normal conditions.  |
| <b>Possibility of Hazardous Reactions</b> | None under normal processing.  |
| <b>Hazardous Polymerization</b>           | Hazardous polymerization does not occur.   |
| <b>Conditions to avoid</b>                | Excessive heat.  |
| <b>Incompatible materials</b>             | None known based on information supplied.  |
| <b>Hazardous Decomposition Products</b>   | Carbon oxides. Thermal decomposition of product above 300 degrees (C), can create Carbonyl fluoride, which combines with air and moisture and hydrolyses to Hydrogen Fluoride and Carbon Dioxide. Other PTFE degradation products include; perfluoroisobutylene, tetrafluoroethylene, hexafluoropropylene, carbon monoxide and trifluoromethane. |

## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

#### Product Information

|                     |   |
|---------------------|---|
| <b>Inhalation</b>   | Specific test data for the substance or mixture is not available. Fatal if inhaled. (based on components).  |
| <b>Eye contact</b>  | Specific test data for the substance or mixture is not available.   |
| <b>Skin contact</b> | May cause sensitization by skin contact. Specific test data for the substance or mixture is not available. Repeated or prolonged skin contact may cause allergic reactions with susceptible persons. (based on components). |
| <b>Ingestion</b>    | Specific test data for the substance or mixture is not available.   |

### Information on toxicological effects

**Symptoms** Coughing and/ or wheezing. Difficulty in breathing. Itching. Rashes. Hives.

### Numerical measures of toxicity

#### Acute Toxicity

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

|                                      |                |
|--------------------------------------|----------------|
| <b>ATEmix (oral)</b>                 | 2,304.00 mg/kg |
| <b>ATEmix (inhalation-dust/mist)</b> | 0.05 mg/L      |

**Unknown acute toxicity** 99.5 % of the mixture consists of ingredient(s) of unknown toxicity  
 52.5 % of the mixture consists of ingredient(s) of unknown acute oral toxicity  
 99.5 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity  
 99.5 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas)  
 99.5 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor)  
 82.2 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist)

#### Component Information



| Chemical name  | Oral LD50            | Dermal LD50 | Inhalation LC50 |
|--|----------------------|-------------|-----------------|
| Lubricating greases A complex combination of hydrocarbons having carbon numbers predominantly in the range of C12 through C50. may contain organic salts of alkali metals, alkaline earth metals, etc. | = 2280 mg/kg ( Rat ) | -           | -               |

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

|  |   |
|--|---|
| <b>Skin corrosion/irritation</b>         | No information available.   |
| <b>Serious eye damage/eye irritation</b> | No information available.   |
| <b>Respiratory or skin sensitization</b> | May cause sensitization by skin contact.  |
| <b>Germ cell mutagenicity</b>            | No information available.   |
| <b>Carcinogenicity</b>                   | Classification based on data available for ingredients. Contains a known or suspected carcinogen. |

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

| Chemical name      | ACGIH | IARC    | NTP | OSHA |
|--------------------|-------|---------|-----|------|
| Ptfe<br>9002-84-0  | -     | Group 3 |     | -    |
| Talc<br>14807-96-6 | -     | Group 3 |     | X    |

#### Legend

##### IARC (International Agency for Research on Cancer)

Group 2B - Possibly Carcinogenic to Humans

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

X - Present

|                                 |                           |
|---------------------------------|---------------------------|
| <b>Reproductive toxicity</b>    | No information available. |
| <b>STOT - single exposure</b>   | No information available. |
| <b>STOT - repeated exposure</b> | No information available. |
| <b>Aspiration hazard</b>        | No information available. |

## 12. ECOLOGICAL INFORMATION

#### Ecotoxicity

| Chemical name  | Toxicity to Algae | Toxicity to Fish                         | Toxicity to Microorganisms | Daphnia Magna (Water Flea) |
|--|-------------------|--|----------------------------|----------------------------|
| Lubricating greases A complex combination of hydrocarbons having carbon numbers predominantly in the range of C12 through C50. may contain organic salts of alkali metals, alkaline earth metals, etc. | >1001 mg/l        | LC50 96 h: > 2000 mg/L (Salmo gairdneri) | -                          | -                          |



|      |   |   |   |   |
|------|---|---|---|---|
| Talc | - | LC50 96 h: > 100 g/L<br>semi-static (Brachydanio rerio) | - | - |
|------|---|---|---|---|

**Persistence and Degradability** No information available.

**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**

DOT  
**Proper Shipping Name** NOT REGULATED  
**Hazard Class** NON REGULATED  
 N/A

TDG NOT REGULATED

MEX NOT REGULATED

ICAO NOT REGULATED

IATA  
**Proper Shipping Name** NOT REGULATED  
 NON REGULATED

IMDG/IMO NOT REGULATED

RID NOT REGULATED

ADR NOT REGULATED

ADN 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**

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

**Legend**

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

|  |     |
|--|-----|
| <b>Acute Health Hazard</b>               | Yes |
| <b>Chronic Health Hazard</b>             | No  |
| <b>Fire Hazard</b>                       | No  |
| <b>Sudden release of pressure hazard</b> | No  |
| <b>Reactive Hazard</b>                   | 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 does not contain any 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 |
|-----------------------|------------|---------------|--------------|--------------|----------|
| Ptfe<br>9002-84-0     |            |               | X            | X            |          |
| Graphite<br>7782-42-5 | X          | X             | X            | X            |          |
| Talc<br>14807-96-6    | X          | X             | X            | X            | X        |



|                    |   |   |   |   |  |
|--------------------|---|---|---|---|--|
| Mica<br>12001-26-2 | 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  
*Chronic Hazard Star Legend \* = Chronic Health Hazard*

**Prepared By** Product Stewardship  
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 Latham, NY 12110  
 1-800-572-6501

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**Revision Note** Initial Release

**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**

