

## Safety Data Sheet

according to OSHA HCS (29CFR 1910.1200) and WHMIS 2015 Regulations

Revision: May 20, 2020

### 1 Identification

- **Product identifier**
- **Trade name: Multi purpose oil**
- **Product code:** No other identifiers
- **Recommended use and restriction on use**
- **Recommended use:** Lubricant
- **Restrictions on use:** No relevant information available.
- **Details of the supplier of the Safety Data Sheet**
- **Manufacturer/Supplier:**  
FERTAN LLC  
12485 S West 137th Avenue, Suite 212  
Miami, FL 33186  
USA  
(305) 614-1140  
  
contact@fertanusa.com  
http://www.fertanusa.com
- **Emergency telephone number:**  
ChemTel  
(800)255-3924 (North America)  
+1 (813)248-0585 (International)

### 2 Hazard(s) identification

- **Classification of the substance or mixture**  
Flam. Aerosol 1 H222 Extremely flammable aerosol.  
Press. Gas H280 Contains gas under pressure; may explode if heated.  
Acute Tox. 4 H302 Harmful if swallowed.  
Skin Irrit. 2 H315 Causes skin irritation.  
Eye Dam. 1 H318 Causes serious eye damage.  
Skin Sens. 1 H317 May cause an allergic skin reaction.  
STOT SE 3 H336 May cause drowsiness or dizziness.  
STOT RE 2 H373 May cause damage to organs through prolonged or repeated exposure.  
Asp. Tox. 1 H304 May be fatal if swallowed and enters airways.
- **Additional information:** Pressurized container: May burst if heated.

- **Label elements**

- **GHS label elements**

The product is classified and labeled according to the Globally Harmonized System (GHS).

- **Hazard pictograms:**



GHS02 GHS04 GHS05 GHS07 GHS08

- **Signal word:** Danger
- **Hazard statements:**

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- H222 Extremely flammable aerosol.
- H280 Contains gas under pressure; may explode if heated.
- H302 Harmful if swallowed.
- H315 Causes skin irritation.
- H318 Causes serious eye damage.
- H317 May cause an allergic skin reaction.
- H336 May cause drowsiness or dizziness.
- H373 May cause damage to organs through prolonged or repeated exposure.
- H304 May be fatal if swallowed and enters airways.

**· Precautionary statements:**

- P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
- P211 Do not spray on an open flame or other ignition source.
- P251 Pressurized container: Do not pierce or burn, even after use.
- P260 Do not breathe mist/vapors/spray.
- P264 Wash thoroughly after handling.
- P270 Do not eat, drink or smoke when using this product.
- P271 Use only outdoors or in a well-ventilated area.
- P272 Contaminated work clothing must not be allowed out of the workplace.
- P280 Wear protective gloves/protective clothing/eye protection/face protection.
- P301+P310 If swallowed: Immediately call a poison center/doctor.
- P330 Rinse mouth.
- P331 Do NOT induce vomiting.
- P302+P352 If on skin: Wash with plenty of soap and water.
- P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
- P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P314 Get medical advice/attention if you feel unwell.
- P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
- P362+P364 Take off contaminated clothing and wash it before reuse.
- P403+P233 Store in a well-ventilated place. Keep container tightly closed.
- P405 Store locked up.
- P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.
- P501 Dispose of contents/container in accordance with local/regional/national/international regulations.





**· Additional information:** Pressurized container: May burst if heated.

**· Other hazards** There are no other hazards not otherwise classified that have been identified.

### 3 Composition/information on ingredients

**· Chemical characterization: Mixtures**

**· Components:**

74-98-6	Propane  Flam. Gas 1, H220  Press. Gas, H280 Simple Asphyxiant	20-40%
75-28-5	Isobutane  Flam. Gas 1, H220  Press. Gas, H280	10-20%

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	Simple Asphyxiant	
106-97-8	Butane ⚠ Flam. Gas 1, H220 ⚠ Press. Gas, H280 Simple Asphyxiant	10-20%
85711-26-8	Alcohols, C9-11-branched and linear ⚠ Flam. Liq. 3, H226 ⚠ Asp. Tox. 1, H304 ⚠ STOT SE 3, H336	10-20%
64742-53-6	Distillates (petroleum), hydrotreated light naphthenic ⚠ Asp. Tox. 1, H304	5-10%
95-38-5	2-(2-heptadec-8-enyl-2-imidazolin-1-yl)ethanol ⚠ Acute Tox. 3, H301	0.1-5%
120-57-0	Piperonal ⚠ Skin Sens. 1B, H317	0.1-5%
600-14-6	Acetyl propionyl ⚠ Flam. Liq. 2, H225 ⚠ STOT RE 2, H373 ⚠ Eye Dam. 1, H318 ⚠ Skin Sens. 1, H317	0.1-5%
1474044-79-5	Calcium bis(di C8-C10, branched, C9 rich, alkyl)naphthalenesulphonate) ⚠ Skin Irrit. 2, H315; Eye Irrit. 2A, H319; Skin Sens. 1B, H317	0.1-5%

· **Additional information:**

For the listed ingredient(s), the identity and/or exact percentage(s) are being withheld as a trade secret.  
 For the wording of the listed Hazard Statements, refer to section 16.

### 4 First-aid measures

· **Description of first aid measures**

· **General information:** Take affected persons out into the fresh air.

· **After inhalation:**

Supply fresh air.

Provide oxygen treatment if affected person has difficulty breathing.

If experiencing respiratory symptoms: Call a doctor.

In case of unconsciousness place patient stably in side position for transportation.

· **After skin contact:**

Immediately wash with water and soap and rinse thoroughly.

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

· **After eye contact:**

Protect unharmed eye.

Remove contact lenses if worn.

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

· **After swallowing:**

Unlikely route of exposure.

Rinse out mouth and then drink plenty of water.

Do not induce vomiting; immediately call for medical help.

A person vomiting while lying on their back should be turned onto their side.

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

Breathing difficulty  
Coughing  
Dizziness  
Allergic reactions  
Irritant to skin and mucous membranes.  
Strong irritant with the danger of severe eye injury.  
Gastric or intestinal disorders when ingested.  
Nausea  
Headache

**· Danger:**

Danger of impaired breathing.  
Causes serious eye damage.  
Harmful if swallowed.  
May be fatal if swallowed and enters airways.  
May cause drowsiness or dizziness.  
Sensitizing effect by skin contact is possible with prolonged exposure.  
May cause damage to organs through prolonged or repeated exposure.

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

If swallowed, gastric irrigation with added, activated carbon.  
If swallowed or in case of vomiting, danger of entering the lungs.  
Medical supervision for at least 48 hours.  
If necessary oxygen respiration treatment.  
Later observation for pneumonia and pulmonary edema.  
Treat skin and mucous membrane with antihistamine and corticoid preparations.  
Contains Calcium bis(di C8-C10, branched, C9 rich, alkyl-naphthalenesulphonate), Acetyl propionyl, Piperonal. May produce an allergic reaction.  
If medical advice is needed, have product container or label at hand.

### 5 Fire-fighting measures

**· Extinguishing media****· Suitable extinguishing agents:**

Foam  
Carbon dioxide  
Fire-extinguishing powder  
Gaseous extinguishing agents  
Water fog / haze

**· For safety reasons unsuitable extinguishing agents:** Water stream.**· Special hazards arising from the substance or mixture**

Extremely flammable aerosol.  
Danger of receptacles bursting because of high vapor pressure if heated.  
Formation of toxic gases is possible during heating or in case of fire.

**· Advice for firefighters****· Protective equipment:**

Wear self-contained respiratory protective device.  
Wear fully protective suit.

**· Additional information:**

Leaking gas fire: Do not extinguish, unless leak can be stopped safely.

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Cool endangered containers with water fog.  
Use large quantities of foam as it is partially destroyed by the product.

### 6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**

Wear protective equipment. Keep unprotected persons away.

Ensure adequate ventilation.

For large spills, use respiratory protective device against the effects of fumes/dust/aerosol.

- **Environmental precautions** Do not allow to enter sewers/ surface or ground water.

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

Allow to evaporate.

Absorb with non-combustible liquid-binding material (sand, diatomite, acid binders, universal binders).

Send for recovery or disposal in suitable receptacles.

- **Reference to other sections**

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

### 7 Handling and storage

- **Handling**

- **Precautions for safe handling:**

Use only in well ventilated areas.

Avoid splashes or spray in enclosed areas.

- **Information about protection against explosions and fires:**

Keep ignition sources away - Do not smoke.

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 120 °F / 49 °C, i.e. electric lights. Do not pierce or burn, even after use.

Do not spray on a naked flame or any incandescent material.

Flammable gas-air mixtures may be formed in empty containers/receptacles.

Extremely flammable aerosol.

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

- **Requirements to be met by storerooms and receptacles:**

Store in a cool location.

Observe official regulations on storing packagings with pressurized containers.

Avoid storage near extreme heat, ignition sources or open flame.

- **Information about storage in one common storage facility:**

Store away from foodstuffs.

Store away from oxidizers, strong acids, strong bases.

- **Further information about storage conditions:**

Store in a cool place. Heat will increase pressure and may lead to the container bursting.

- **Specific end use(s)** No relevant information available.

### 8 Exposure controls/personal protection

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· **Control parameters**

· **Components with limit values that require monitoring at the workplace:**

**74-98-6 Propane**

PEL (USA)	Long-term value: 1800 mg/m <sup>3</sup> , 1000 ppm
REL (USA)	Long-term value: 1800 mg/m <sup>3</sup> , 1000 ppm
TLV (USA)	refer to Appendix F in TLVs&BEIs book; D, EX
EL (Canada)	Simple asphyxiant; EX
EV (Canada)	Long-term value: 1,000 ppm revoked as of 01/01/18
LMPE (Mexico)	Long-term value: 1000 ppm

**75-28-5 Isobutane**

TLV (USA)	Short-term value: 2370 mg/m <sup>3</sup> , 1000 ppm (EX)
EL (Canada)	Short-term value: 1000 ppm EX
EV (Canada)	Long-term value: 800 ppm revoked as of 01/01/18
LMPE (Mexico)	Long-term value: 1000 ppm

**106-97-8 Butane**

REL (USA)	Long-term value: 1900 mg/m <sup>3</sup> , 800 ppm
TLV (USA)	Short-term value: 2370 mg/m <sup>3</sup> , 1000 ppm (EX)
EL (Canada)	Short-term value: 1000 ppm EX
EV (Canada)	Long-term value: 800 ppm revoked as of 01/01/18
LMPE (Mexico)	Long-term value: 1000 ppm

· **Exposure controls**

· **General protective and hygienic measures:**

The usual precautionary measures for handling chemicals should be followed.

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing.

Wash hands before breaks and at the end of work.

Do not inhale gases / fumes / aerosols.

Avoid contact with the eyes and skin.

· **Engineering controls:** Provide adequate ventilation.

· **Breathing equipment:**

Suitable respiratory protective device recommended.

NIOSH or EN approved organic vapor respirator equipped with a dust/mist prefilter should be used.

· **Protection of hands:**



Protective gloves

Gloves should provide protection from freezing temperatures.

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· **Material of gloves**

A recommendation for a suitable glove material is not available. Testing will be required to determine the suitability of any potential glove materials.

· **Eye protection:**



Tightly sealed goggles

Follow relevant national guidelines concerning the use of protective eyewear.

· **Body protection:** Protective work clothing

· **Limitation and supervision of exposure into the environment**

No relevant information available.

· **Risk management measures** No relevant information available.

### 9 Physical and chemical properties

· **Information on basic physical and chemical properties**

· **Appearance:**

**Form:** Aerosol  
     **Color:** According to product specification

· **Odor:** Characteristic

· **Odor threshold:** Not determined.

· **pH-value:** Not determined.

· **Melting point/Melting range:** Not applicable, as aerosol.

· **Boiling point/Boiling range:** 36 °C (96.8 °F)

· **Flash point:** -97 °C (-142.6 °F)  
 Extremely flammable aerosol.

· **Flammability (solid, gaseous):** Not applicable.

· **Auto-ignition temperature:** Not determined.

· **Decomposition temperature:** Not determined.

· **Danger of explosion:** Product is not explosive. However, formation of explosive air/vapor mixtures are possible.

· **Explosion limits**

**Lower:** 1.5 Vol %

**Upper:** 11 Vol %

· **Oxidizing properties:** Non-oxidizing.

· **Vapor pressure:** Not determined.

· **Density:**

**Relative density:** Not determined.

**Vapor density:** Not determined.

**Evaporation rate:** Not applicable.

· **Solubility in / Miscibility with**

**Water:** Not miscible or difficult to mix.

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- **Partition coefficient (n-octanol/water):** Not determined.
- **Viscosity**
  - Dynamic: Not determined.
  - Kinematic: Not determined.
- **Other information** No relevant information available.

### 10 Stability and reactivity

- **Reactivity:** No relevant information available.
- **Chemical stability:** Stable under normal temperatures and pressures.
- **Thermal decomposition / conditions to be avoided:**  
Danger of receptacles bursting because of high vapor pressure if heated.
- **Possibility of hazardous reactions**  
Develops readily flammable gases / fumes.  
Extremely flammable aerosol.  
Toxic fumes may be released if heated above the decomposition point.  
Reacts with oxidizing agents.  
Reacts with strong acids and alkali.
- **Conditions to avoid**  
Keep ignition sources away - Do not smoke.  
Do not expose to temperatures exceeding 50°C/122°F.
- **Incompatible materials** Oxidizers, strong bases, strong acids
- **Hazardous decomposition products**  
Under fire conditions only:  
Carbon monoxide and carbon dioxide

### 11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:** Harmful if swallowed.
- **LD/LC50 values that are relevant for classification:**

<b>ATE (Acute Toxicity Estimate)</b>		
Oral	LD50	639-100133 mg/kg
<b>600-14-6 Acetyl propionyl</b>		
Oral	LD50	3000 mg/kg (rat)
- **Primary irritant effect:**
  - **On the skin:** Irritant to skin and mucous membranes.
  - **On the eye:** Strong irritant with the danger of severe eye injury.
  - **Sensitization:** Sensitization possible through skin contact.

- **IARC (International Agency for Research on Cancer):**

None of the ingredients are listed.

- **NTP (National Toxicology Program):**

None of the ingredients are listed.

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**· OSHA-Ca (Occupational Safety & Health Administration):**

None of the ingredients are listed.

**· Probable route(s) of exposure:**

Inhalation.  
Eye contact.  
Skin contact.

**· Acute effects (acute toxicity, irritation and corrosivity):**

May be fatal if swallowed and enters airways.  
Irritating to skin.  
May cause drowsiness or dizziness.  
Harmful if swallowed.

**· Repeated dose toxicity:**

Sensitizing effect by skin contact is possible with prolonged exposure.  
Danger of serious damage to health by prolonged exposure.

**· Germ cell mutagenicity:** Based on available data, the classification criteria are not met.**· Carcinogenicity:** Based on available data, the classification criteria are not met.**· Reproductive toxicity:** Based on available data, the classification criteria are not met.**· STOT-single exposure:** May cause drowsiness or dizziness.**· STOT-repeated exposure:** May cause damage to organs through prolonged or repeated exposure.**· Aspiration hazard:** May be fatal if swallowed and enters airways.

### 12 Ecological information

**· Toxicity****· Aquatic toxicity** No relevant information available.**· Persistence and degradability** No relevant information available.**· Bioaccumulative potential:** No relevant information available.**· Mobility in soil:** No relevant information available.**· Additional ecological information****· General notes:**

Do not allow product to reach ground water, water course or sewage system.

Due to available data on eliminability/decomposition and bioaccumulation potential prolonged term damage of the environment can not be excluded.

**· Other adverse effects** No relevant information available.

### 13 Disposal considerations

**· Waste treatment methods****· Recommendation:**

The user of this material has the responsibility to dispose of unused material, residues and containers in compliance with all relevant local, state and federal laws and regulations regarding treatment, storage and disposal for hazardous and nonhazardous wastes. Residual materials should be treated as hazardous.

**· Uncleaned packagings****· Recommendation:** Disposal must be made according to official regulations.

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### 14 Transport information

<ul style="list-style-type: none"> <li>· UN-Number</li> <li>· DOT, ADR/RID/ADN, IMDG, IATA</li> </ul>	<p style="text-align: right;">UN1950</p>
<ul style="list-style-type: none"> <li>· UN proper shipping name</li> <li>· DOT</li> <li>· ADR/RID/ADN, IMDG</li> <li>· IATA</li> </ul>	<p style="text-align: right;">Aerosols, flammable AEROSOLS AEROSOLS, flammable</p>
<ul style="list-style-type: none"> <li>· Transport hazard class(es)</li> <li>· DOT</li> </ul>	<div style="text-align: center;">  </div>
<ul style="list-style-type: none"> <li>· Class</li> <li>· Label</li> </ul>	<p style="text-align: right;">2.1 2.1</p>
-----	
<ul style="list-style-type: none"> <li>· ADR/RID/ADN</li> </ul>	<div style="text-align: center;">  </div>
<ul style="list-style-type: none"> <li>· Class</li> <li>· Label</li> </ul>	<p style="text-align: right;">2.5F 2.1</p>
-----	
<ul style="list-style-type: none"> <li>· IMDG, IATA</li> </ul>	<div style="text-align: center;">  </div>
<ul style="list-style-type: none"> <li>· Class</li> <li>· Label</li> </ul>	<p style="text-align: right;">2.1 2.1</p>
<ul style="list-style-type: none"> <li>· Packing group</li> </ul>	<p style="text-align: right;">This UN-number is not assigned a packing group. Aerosols are not assigned a packing group.</p>
<ul style="list-style-type: none"> <li>· Environmental hazards</li> </ul>	<p style="text-align: right;">Not applicable.</p>
<ul style="list-style-type: none"> <li>· Special precautions for user</li> <li>· Hazard identification number (Kemler code):</li> <li>· EMS Number:</li> </ul>	<p style="text-align: right;">Warning: Gases - F-D,S-U</p>
<ul style="list-style-type: none"> <li>· Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</li> </ul>	<p style="text-align: right;">Not applicable.</p>

### 15 Regulatory information

- Safety, health and environmental regulations/legislation specific for the substance or mixture
- United States (USA)

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**· SARA****· Section 302 (extremely hazardous substances):**

None of the ingredients are listed.

**· Section 313 (Specific toxic chemical listings):**

None of the ingredients are listed.

**· TSCA (Toxic Substances Control Act)**

All ingredients are listed or exempt.

**· Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130):**

74-98-6	Propane	10000
75-28-5	Isobutane	10000
106-97-8	Butane	10000

**· Proposition 65 (California)****· Chemicals known to cause cancer:**

None of the ingredients are listed.

**· Chemicals known to cause developmental toxicity for females:**

None of the ingredients are listed.

**· Chemicals known to cause developmental toxicity for males:**

None of the ingredients are listed.

**· Chemicals known to cause developmental toxicity:**

None of the ingredients are listed.

**· EPA (Environmental Protection Agency):**

None of the ingredients are listed.

**· IARC (International Agency for Research on Cancer):**

None of the ingredients are listed.

**· Canadian Domestic Substances List (DSL):**

All ingredients listed on DSL or NDSL.

### 16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

**· Abbreviations and acronyms:**

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road  
IMDG: International Maritime Code for Dangerous Goods  
DOT: US Department of Transportation  
IATA: International Air Transport Association  
CAS: Chemical Abstracts Service (division of the American Chemical Society)  
LC50: Lethal concentration, 50 percent  
LD50: Lethal dose, 50 percent  
OSHA: Occupational Safety & Health Administration  
Flam. Gas 1: Flammable gases – Category 1  
Flam. Aerosol 1: Aerosols – Category 1  
Press. Gas: Gases under pressure – Compressed gas  
Flam. Liq. 2: Flammable liquids – Category 2  
Flam. Liq. 3: Flammable liquids – Category 3

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Acute Tox. 3: Acute toxicity – Category 3  
Acute Tox. 4: Acute toxicity – Category 4  
Skin Irrit. 2: Skin corrosion/irritation – Category 2  
Eye Dam. 1: Serious eye damage/eye irritation – Category 1  
Eye Irrit. 2A: Serious eye damage/eye irritation – Category 2A  
Skin Sens. 1: Skin sensitisation – Category 1  
Skin Sens. 1B: Skin sensitisation – Category 1B  
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3  
STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2  
Asp. Tox. 1: Aspiration hazard – Category 1

**Sources**

Website, European Chemicals Agency ([echa.europa.eu](http://echa.europa.eu))  
Website, US EPA Substance Registry Services ([ofmpub.epa.gov/sorinternet/registry/substreg/home/overview/home.do](http://ofmpub.epa.gov/sorinternet/registry/substreg/home/overview/home.do))  
Website, Chemical Abstracts Registry, American Chemical Society ([www.cas.org](http://www.cas.org))  
Patty's Industrial Hygiene, 6th ed., Rose, Vernon, ed. ISBN: 978-0-470-07488-6  
Casarett and Doull's Toxicology: The Basic Science of Poisons, 8th Ed., Klaasen, Curtis D., ed., ISBN: 978-0-07-176923-5.  
Safety Data Sheets, Individual Manufacturers

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