



# SAFETY DATA SHEET

Version: 1.0

Revision Date: 12/21/2020

This material is to be used for research purposes only under the supervision of a technically qualified individual. The toxicological properties may have not been completely characterized. Please determine your responsibilities under your local regulations.

## 1. Identification of the substance or mixture and of the supplier

### Identification

**Product Name:** Multi-Spray  
**SKU:** OPT-MS11

### Recommended use and restriction on use

**Recommended use:** Not available

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

**Company Name:** Opti-Lube Inc  
**Address:** 1646 W Business Park Drive, Suite B  
Orem, UT 84058  
USA  
**Telephone:** 801-491-3717

### Emergency telephone number:

FOR TRANSPORT EMERGENCY CALL (+1) 801-850-8553, OR WITHIN THE USA 801-491-3717

## 2. Hazard(s) identification

### OSHA/HCS status:

While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.

**Classification of the substance or mixture:** Not classified.

### GHS Label Elements

**Signal word:** No signal word.

**Hazard statements:** No known significant effects or critical hazards.

### Precautionary Statement:

**Prevention:** Not applicable.

**Response:** Not applicable.

**Storage:** Not applicable.

**Disposal:** Not applicable.

**Hazards not otherwise classified (HNOC):** None known.



# SAFETY DATA SHEET

Version: 1.0

Revision Date: 12/21/2020

## 3. Composition/Information on Ingredients

**Substance/mixture:** Mixture

**Other means of identification:** 32000

Ingredient name	Percentage	CAS number
Solvent naphtha (petroleum) heavy aliph.	≥75 - ≤90	64742-96-7
Distillates (petroleum), hydrotreated light	≥75 - ≤90	4742-47-8
Hexadecan-1-ol	≥1 - ≤3	36653-82-4
Stearic acid	≥1 - ≤3	57-11-4

Any concentration shown as a range is to protect confidentiality or is due to batch variation

There are no ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

**Occupational exposure limits, if available, are listed in Section 8.**

## 4. First-aid Measures

### Description of first aid measures:

<b>Eye Contact:</b>	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
<b>Inhalation:</b>	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
<b>Skin Contact:</b>	Flush contaminated skin with plenty of water. Get medical attention if symptoms occur.
<b>Ingestion:</b>	Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.

### Most important symptoms/effects, acute and delayed

#### Potential acute health effects:

<b>Eye contact:</b>	No known significant effects or critical hazards.
<b>Inhalation:</b>	No known significant effects or critical hazards.
<b>Skin contact:</b>	No known significant effects or critical hazards.
<b>Ingestion:</b>	No known significant effects or critical hazards.

#### Over-exposure signs/symptoms:



# SAFETY DATA SHEET

Version: 1.0

Revision Date: 12/21/2020

<b>Eye contact:</b>	No known significant effects or critical hazards.
<b>Inhalation:</b>	No known significant effects or critical hazards.
<b>Skin contact:</b>	No known significant effects or critical hazards.
<b>Ingestion:</b>	No known significant effects or critical hazards.

**Indication of immediate medical attention and special treatment needed, if necessary**

<b>Notes to physician:</b>	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
<b>Specific treatments:</b>	No specific treatment.
<b>Protection of first-aiders:</b>	No action shall be taken involving any personal risk or without suitable training.

See toxicological information (Section 11)

## 5. Fire-fighting measures

**Extinguishing Media:****Suitable Extinguishing Media:** Use dry chemical, CO<sub>2</sub>, water spray (fog) or foam.**Unsuitable extinguishing media:** None known.**Specific hazard arising from the chemical:** No specific fire or explosion hazard.**Hazardous thermal decomposition products:** Decomposition products may include the following materials:  
carbon dioxide  
carbon monoxide**Special protective actions for fire-fighters** Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.**Special protective equipment for fire-fighters:** Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

## 6. Accidental release measures

**Personal precautions, protective equipment and emergency procedures****For non-emergency personnel:** No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment**For emergency responders:** If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For nonemergency personnel".



# SAFETY DATA SHEET

Version: 1.0

Revision Date: 12/21/2020

**Environmental precautions:** Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

## Methods and material for containment and cleanup

**Small spill:** Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

**Large spill :** Stop leak if without risk. Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

## 7. Handling and Storage

### Precautions for safe handling:

**Protective measures:** Put on appropriate personal protective equipment (see Section 8).

**Advice on general occupational hygiene:** Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. See also Section 8 for additional information on hygiene measures. Remove contaminated clothing and protective equipment before entering eating areas.

**Conditions for safe storage, including any incompatibilities:** Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

## 8. Exposure Controls / Personal Protection

### Control Parameters:

#### Occupational exposure limits:

Ingredient name	Exposure limits
Solvent naphtha (petroleum) heavy aliph.	None
Distillates (petroleum), hydrotreated light	<b>ACGIH TLV (United States, 3/2017). Absorbed through skin.</b> TWA: 200 mg/m <sup>3</sup> , (as total hydrocarbon vapor) 8 hours
Hexadecan-1-ol	None.
Stearic acid	<b>ACGIH TLV (United States, 3/2017).</b> TWA: 10 mg/m <sup>3</sup> 8 hours. Form: Inhalable fraction



# SAFETY DATA SHEET

Version: 1.0

Revision Date: 12/21/2020

	TWA: 3 mg/m <sup>3</sup> 8 hours. Form: Respirable fraction
<b>Appropriate engineering controls:</b>	Good general ventilation should be sufficient to control worker exposure to airborne contaminants.
<b>Environmental exposure controls:</b>	Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation.
<b>Individual protection measures:</b>	
<b>Hygiene measures:</b>	Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.
<b>Eye/face protection:</b>	Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.
<b>Skin protection</b>	
<b>Hand protection:</b>	Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.
<b>Body protection:</b>	Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
<b>Other skin protection:</b>	Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
<b>Respiratory protection:</b>	Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

## 9. Physical and chemical properties

### Information on Basic Physical and Chemical Properties:

#### Appearance:

<b>Physical State:</b>	Liquid
<b>Appearance (Color):</b>	Amber
<b>Odor:</b>	Mild solvent
<b>Odor Threshold:</b>	No data available.

#### General Properties:

<b>pH:</b>	No data available.
<b>Melting Point:</b>	No data available.
<b>Boiling Point:</b>	232.22°C (450°F)



# SAFETY DATA SHEET

Version: 1.0

Revision Date: 12/21/2020

<b>Flash Point, COC, ° F/° C:</b>	Open cup: 110°C (230°F) [Cleveland.]
<b>Evaporation rate:</b>	<0.1 (Butyl acetate = 1)
<b>Flammability (solid, gas):</b>	No data available.
<b>Lower and upper explosive : Not available. (flammable) limits</b>	Lower: <1% Upper: <6%
<b>Vapor pressure:</b>	<0.08 kPa (<0.6 mm Hg) [room temperature]
<b>Vapor Density (vs. Air = 1):</b>	>1 [Air = 1]
<b>Relative density:</b>	0.83 g/ml
<b>Solubility:</b>	Insoluble in water.
<b>Partition coefficient: n- octanol/water:</b>	Not available.
<b>Auto-Ignition Temperature:</b>	No data available.
<b>Decomposition temperature:</b>	No data available.
<b>Viscosity:</b>	No data available.
<b>Flow time (ISO 2431)</b>	No data available.

## 10. Stability and reactivity

<b>Reactivity:</b>	No specific test data related to reactivity available for this product or its ingredients.
<b>Chemical Stability:</b>	The product is stable.
<b>Possibility of Hazardous Reactions:</b>	Under normal conditions of storage and use, hazardous reactions will not occur.
<b>Conditions to Avoid:</b>	Do not heat above flash point.
<b>Incompatible Materials:</b>	Reactive or incompatible with the following materials: oxidizing materials.
<b>Hazardous Decomposition Products:</b>	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## 11. Toxicological Information

### Information on likely routes of exposure:

#### Acute Toxicity:

Product/ingredient name	Result	Species	Dose	Exposure
Hexadecan-1-ol	LD50 Oral	Rat	5 g/kg	---
Stearic acid	LD50 Dermal	Rabbit	>5 g/kg	---
	LD50 Oral	Rat	4600 mg/kg	---

#### Corrosion/Irritation:

Product/ingredient name	Result	Species	Score	Exposure	Observation
Stearic acid	Skin - Moderate irritant	Rabbit	---	24 hours 500 mg	---



# SAFETY DATA SHEET

Version: 1.0

Revision Date: 12/21/2020

**Sensitization:** There is no data available.

**Mutagenicity:** There is no data available.

**Carcinogenicity:** There is no data available.

**Reproductive toxicity:** There is no data available.

**Teratogenicity:** There is no data available.

**Specific target organ toxicity (single exposure)** There is no data available.

**Specific target organ toxicity (repeated exposure):** There is no data available.

**Aspiration hazard:**

Name	Result
Solvent naphtha (petroleum) heavy aliph.	ASPIRATION HAZARD - Category 1
Distillates (petroleum), hydrotreated light	ASPIRATION HAZARD - Category 1

**Information on the likely routes of exposure:** Dermal contact. Eye contact. Inhalation. Ingestion

**Potential acute health effects**

**Eye contact:** No known significant effects or critical hazards

**Inhalation:** No known significant effects or critical hazards

**Skin contact:** No known significant effects or critical hazards

**Ingestion:** No known significant effects or critical hazards

**Symptoms related to the physical, chemical and toxicological characteristics**

**Eye contact:** No known significant effects or critical hazards

**Inhalation:** No known significant effects or critical hazards

**Skin contact:** No known significant effects or critical hazards

**Ingestion:** No known significant effects or critical hazards

**Delayed and immediate effects and also chronic effects from short and long term exposure**

**Short term exposure**

**Potential immediate effects:** No known significant effects or critical hazards.

**Potential delayed effects:** No known significant effects or critical hazards.



# SAFETY DATA SHEET

Version: 1.0

Revision Date: 12/21/2020

## Long term exposure

**Potential immediate effects:** No known significant effects or critical hazards.

**Potential delayed effects:** No known significant effects or critical hazards.

## Potential chronic health effects

**General:** No known significant effects or critical hazards.

**Carcinogenicity:** No known significant effects or critical hazards.

**Mutagenicity:** No known significant effects or critical hazards.

**Teratogenicity:** No known significant effects or critical hazards.

**Developmental effects:** No known significant effects or critical hazards.

**Fertility effects:** No known significant effects or critical hazards.

## Numerical measures of toxicity

### Acute toxicity estimates

Route	ATE value
Oral	277587.9 mg/kg

## 12. Ecological Information

**Toxicity:** There is no data available.

**Persistence and degradability:** There is no data available.

### Bioaccumulative potential:

Product/ingredient name	LogPow	BCF	Potential
Hexadecan-1-ol	6.7	---	high
Stearic acid	8.23	---	high

### Mobility in soil:

**Soil/water partition coefficient (KOC):** Not available.

**Other adverse effects:** No known significant effects or critical hazards.

## 13. Disposal considerations





# SAFETY DATA SHEET

Version: 1.0

Revision Date: 12/21/2020

**Disposal methods:**

The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

## 14. Transport Information

	DOT Classification	TDG Classification	IMDG	IATA
UN Number:	Not regulated.	Not regulated.	Not regulated.	Not regulated.
UN proper shipping name	---	---	---	---
Transport hazard class(es)	---	---	---	---
Packing group	---	---	---	---
Environmental hazards	No.	No.	No.	No.

**AERG:** Not applicable.

**Special precautions for user :** **Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

## 15. Regulatory Information

**U.S. Federal regulations:**

**TSCA 8(a) CDR Exempt/Partial exemption:** Not determined  
**United States inventory (TSCA 8b):** All components are listed or exempted.  
**TSCA 12(b) one-time export:** None of the components are listed.  
**TSCA 12(b) annual export notification:** None of the components are listed.  
**Clean Water Act (CWA) 307:** Antimony dialkyldithiocarbamate; Ethylbenzene  
**Clean Water Act (CWA) 311:** Xylene; Ethylbenzene

**Clean Air Act Section 112 (b) Hazardous Air Pollutants (HAPs):** Listed.

**Clean Air Act Section 602 Class I Substances:** Not listed.

**Clean Air Act Section 602 Class II Substances:** Not listed.

**DEA List I Chemicals (Precursor Chemicals):** Not listed.

**DEA List II Chemicals (Essential Chemicals):** Not listed.

**SARA 302/304**

**Composition/information on ingredients:** No products were found.

**SARA 304 RQ:** Not applicable.



# SAFETY DATA SHEET

Version: 1.0

Revision Date: 12/21/2020

**SARA 311/312 Classification:** Not applicable.**Composition/information on ingredients:**

Name	Classification
Solvent naphtha (petroleum) heavy aliph. Distillates hydrotreated light Stearic acid	FLAMMABLE LIQUIDS - Category 3
	ASPIRATION HAZARD - Category 1
	FLAMMABLE LIQUIDS - Category 3
	ASPIRATION HAZARD - Category 1
	SKIN CORROSION/IRRITATION - Category 2
	SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2A

**SARA 313:** There is no data available.**State Regulations****Massachusetts:** None of the components are listed.**New York:** None of the components are listed.**New Jersey:** None of the components are listed.**Pennsylvania:** None of the components are listed.**California Prop. 65** **WARNING:** This product can expose you to chemicals including Ethylbenzene, Crystalline silica, respirable powder, which are known to the State of California to cause cancer. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).**Inventory list****National inventory****Australia :** All components are listed or exempted.**Canada:** All components are listed or exempted.**China:** All components are listed or exempted.**New Zealand:** All components are listed or exempted.**Philippines:** All components are listed or exempted.**Republic of Korea:** All components are listed or exempted.**Petroleum components contained in this product meet the IP 346 criteria of less than 3 percent DMSO-extractable components.****16. Other information, including date of preparation or last revision**

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.



# SAFETY DATA SHEET

Version: 1.0

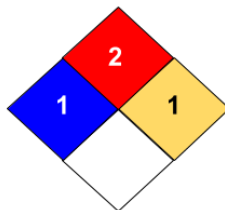
Revision Date: 12/21/2020

## Hazardous Material Information System (U.S.A.)

Health		1
Flammability		2
Physical Hazards		1

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings and the associated label are not required on SDSs or products leaving a facility under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered trademark and service mark of the American Coatings Association, Inc.

The customer is responsible for determining the PPE code for this material. For more information on HMIS® Personal Protective Equipment (PPE) codes, consult the HMIS® Implementation Manual.



Flammability
Health
Physical Hazards
Reactivity

## National Fire Protection Association (U.S.A.)

Reprinted with permission from NFPA 704-2001, Identification of the Hazards of Materials for Emergency Response Copyright ©1997, National Fire Protection Association, Quincy, MA 02269. This reprinted material is not the complete and official position of the National Fire Protection Association, on the referenced subject which is represented only by the standard in its entirety.

Copyright ©2001, National Fire Protection Association, Quincy, MA 02269. This warning system is intended to be interpreted and applied only by properly trained individuals to identify fire, health and reactivity hazards of chemicals. The user is referred to certain limited number of chemicals with recommended classifications in NFPA 49 and NFPA 325, which would be used as a guideline only. Whether the chemicals are classified by NFPA or not, anyone using the 704 systems to classify chemicals does so at their own risk.

Issue Date: 12/21/20

Version #: 1

Source of Information: Internal Company data and other publically available resources.

Further Information: Contact Supplier (see Section 1)

Disclaimer: As the conditions or methods of use are beyond our control, we do not assume any responsibility and expressly disclaim any liability for any use of this product. Information contained herein is believed to be true and accurate but all statements or suggestions are made without warranty, expressed or implied, regarding accuracy of the information, the hazards connected with the use of the material of the results to be obtained from the use thereof. Compliance with all applicable feral, state, and local regulations remains the responsibility of the user.