



# STERI-OIL 200®

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

VELTEK ASSOCIATES, INC.

Date of issue: 08/31/2005

Revision date: 02/21/2019

Supersedes: 02/03/2017

Version: 4.0

### SECTION 1: Identification

#### 1.1. Identification

Product form : Substance  
Trade name : STERI-OIL 200®  
Chemical name : White mineral oil (petroleum)  
CAS-No. : 8042-47-5  
Product code : SDS 2002-SO-01

#### 1.2. Recommended use and restrictions on use

Use of the substance/mixture : Lubricating mineral oil  
Restrictions on use : For professional use only

#### 1.3. Supplier

Veltek Associates, Inc.  
15 Lee Blvd  
Malvern, PA 19355-1234 USA  
Telephone: +1 610-644-8335 - Fax: +1 610-644-8336  
E-mail: vai@sterile.com

In Canada distributed by:  
Canada Clean Room (CCR)  
20 Cope Dr.  
Kanata, ON K2M 2V8, Canada  
Telephone: (888)595-8070

#### 1.4. Emergency telephone number

Emergency number : CARECHEM 24: 1-215-207-0061  
1-866-928-0789 (toll free)  
Canada: 1-800-579-7421 (toll free)  
Mexico: +52-55-5004-8763

### SECTION 2: Hazard(s) identification

#### 2.1. Classification of the substance or mixture

##### GHS US classification

Not classified

#### 2.2. GHS Label elements, including precautionary statements

##### GHS US labeling

No labeling applicable

#### 2.3. Other hazards which do not result in classification

Other hazards not contributing to the classification : May cause slight irritation to eyes.

#### 2.4. Unknown acute toxicity (GHS US)

Not applicable

### SECTION 3: Composition/Information on ingredients

#### 3.1. Substances

Name : White mineral oil  
CAS-No. : 8042-47-5

Full text of hazard classes and H-statements : see section 16

#### 3.2. Mixtures

Not applicable

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### SECTION 4: First-aid measures

#### 4.1. Description of first aid measures

- First-aid measures general : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
- First-aid measures after inhalation : Remove person to fresh air and keep at rest in a position comfortable for breathing. If symptoms develop obtain medical attention.
- First-aid measures after skin contact : Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. If symptoms develop, obtain medical attention.
- First-aid measures after eye contact : Rinse immediately with plenty of water. Remove contact lenses, if present and easy to do. Continue rinsing. If symptoms develop, obtain medical attention.
- First-aid measures after ingestion : Do NOT induce vomiting. Rinse mouth. Do not give an unconscious person anything to drink. If symptoms develop, obtain medical attention.

#### 4.2. Most important symptoms and effects (acute and delayed)

- Potential Adverse human health effects and symptoms : Inhalation of mists or vapors at elevated temperatures may cause respiratory irritation. May cause slight irritation to eyes. Ingestion may cause discomfort.

#### 4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically.

### SECTION 5: Fire-fighting measures

#### 5.1. Suitable (and unsuitable) extinguishing media

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray.
- Unsuitable extinguishing media : Do not use a heavy water stream.

#### 5.2. Specific hazards arising from the chemical

- Fire hazard : Not flammable. Will burn if heated. Fire may produce irritating, corrosive and/or toxic gases. Carbon monoxide. Carbon dioxide.
- Reactivity : Stable under recommended handling and storage conditions (see section 7).

#### 5.3. Special protective equipment and precautions for fire-fighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
- Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection. Use self-contained breathing apparatus when in close proximity to fire.

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

##### 6.1.1. For non-emergency personnel

- Emergency procedures : Remove ignition sources. Ventilate area. Avoid inhalation of vapors. Avoid contact with eyes, skin and clothing. Evacuate unnecessary personnel.

##### 6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection. Use chemically protective clothing.
- Emergency procedures : Remove ignition sources. Ventilate area. Avoid inhalation of vapors. Avoid contact with eyes, skin and clothing.

#### 6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if large amounts of the product enters sewers or public waters.

#### 6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Sweep or shovel spills into appropriate container for disposal. Store away from other materials.
- Other information : Caution : this product can cause the floor to be slippery.

#### 6.4. Reference to other sections

SECTION 8: Exposure controls/personal protection. SECTION 13: Disposal considerations.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

- Precautions for safe handling : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Provide good ventilation in process area to prevent formation of vapor. Avoid contact with skin, eyes and clothing. Avoid inhalation of vapors.

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Hygiene measures : Do not eat, drink or smoke when using this product. Handle in accordance with good industrial hygiene and safety practice. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Wash contaminated clothing before reuse.

### 7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Comply with applicable regulations.  
Storage conditions : Avoid ignition sources. Keep only in the original container in a cool, well ventilated place away from : Incompatible materials. Keep container closed when not in use. Keep out of direct sunlight.  
Incompatible materials : Strong oxidizing agents.  
Storage temperature : < 104 °F

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

STERI-OIL 200® (8042-47-5)		
OSHA	OSHA PEL (TWA) (mg/m <sup>3</sup> )	5 mg/m <sup>3</sup>
OSHA	Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1
Mineral oil, mist		
ACGIH	Local name	Mineral oil, excluding metal working fluids (2009) Pure, highly and severely refined
ACGIH	ACGIH TWA (mg/m <sup>3</sup> )	5 mg/m <sup>3</sup>
ACGIH	Regulatory reference	ACGIH 2018
OSHA	OSHA PEL (TWA) (mg/m <sup>3</sup> )	5 mg/m <sup>3</sup>
OSHA	Regulatory reference (US-OSHA)	OSHA

### 8.2. Appropriate engineering controls

Appropriate engineering controls : Provide good ventilation in process area to prevent formation of vapor.

### 8.3. Individual protection measures/Personal protective equipment

#### Personal protective equipment:

Avoid all unnecessary exposure.

#### Hand protection:

Wear chemically resistant protective gloves. The exact breakthrough time has to be found out by the manufacturer of the protective gloves and has to be observed. Gloves should be removed and replaced if there are any signs of degradation or breakthrough.

#### Eye protection:

Wear goggles or safety glasses with side shields if contact with the eyes is possible

#### Skin and body protection:

Long sleeved protective clothing

#### Respiratory protection:

In case of inadequate ventilation wear respiratory protection. Consult with respirator manufacturer to determine respirator selection, use and limitations.

#### Thermal hazard protection:

Wear heat-resistant gloves and clothing if the product is heated.

#### Other information:

Do not eat, drink or smoke during use. Handle in accordance with good industrial hygiene and safety procedures.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state : Liquid  
Appearance : Viscous. Clear, colorless liquid.

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Color	: Clear Colorless
Odor	: Slight Petroleum-like odor
Odor threshold	: No data available
pH	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: > 446 °F (230 °C)
Flash point	: > 200.1 °F (93.4 °C)
Relative evaporation rate (butyl acetate=1)	: No data available
Flammability (solid, gas)	: Not applicable.
Vapor pressure	: < 0.1 kPa (68 °F)
Relative vapor density at 20 °C	: No data available
Relative density	: 0.81 - 0.89 (68 °F)(Water = 1)
Solubility	: Water: Immiscible Organic solvent: Soluble in most organic solvents
Log Pow	: > 6 (Soluble in oil)
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity, kinematic	: > 20.5 mm <sup>2</sup> /s (40 °C)
Viscosity, dynamic	: No data available
Explosion limits	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Stable under recommended handling and storage conditions (see section 7).

### 10.2. Chemical stability

Stable under recommended handling and storage conditions (see section 7).

### 10.3. Possibility of hazardous reactions

None known.

### 10.4. Conditions to avoid

Avoid ignition sources. Direct sunlight. High temperature.

### 10.5. Incompatible materials

Strong oxidizing agents.

### 10.6. Hazardous decomposition products

Fire may produce irritating, corrosive and/or toxic gases. Carbon monoxide. Carbon dioxide.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified

STERI-OIL 200® (8042-47-5)	
LD50 oral, rat	> 5000 mg/kg body weight (OECD 401 method), (Read-across)
LD50 dermal, rabbit	> 2000 mg/kg (OECD 402 method), (Read-across)
LC50 inhalation, rat (mg/l)	> 5 mg/l - 4 Hours, mist (OECD 403 method), (Read-across)

Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Not classified
Respiratory or skin sensitization	: Not classified

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Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
Specific target organ toxicity – single exposure	: Not classified
Specific target organ toxicity – repeated exposure	: Not classified
Aspiration hazard	: Not classified
Viscosity, kinematic	: > 20.5 mm <sup>2</sup> /s (40 °C)
Potential Adverse human health effects and symptoms	: Inhalation of mists or vapors at elevated temperatures may cause respiratory irritation. May cause slight irritation to eyes. Ingestion may cause discomfort.

## SECTION 12: Ecological information

### 12.1. Toxicity

STERI-OIL 200® (8042-47-5)	
NOEC chronic crustacea	10 mg/l - 21 days, Daphnia magna, reproduction (OECD 211 method), (Read-across)
Additional ecotox information	LL50, fish, acute: > 10000 mg/l (96 Hours, Leuciscus idus melanotus (OECD 203 method)) LL50, aquatic invertebrates, acute: > 100 mg/l (48 Hours, Daphnia magna, Mobility (OECD 202 method))

### 12.2. Persistence and degradability

No additional information available

### 12.3. Bioaccumulative potential

STERI-OIL 200® (8042-47-5)	
Log Pow	> 6 (Soluble in oil)
Bioaccumulative potential	Potentially bioaccumulable.

### 12.4. Mobility in soil

No additional information available

### 12.5. Other adverse effects

Other information : Avoid release to the environment.

## SECTION 13: Disposal considerations

### 13.1. Disposal methods

Waste treatment methods	: Dispose of this material and its container at general waste collection point.
Waste disposal recommendations	: Dispose in a safe manner in accordance with local/national regulations. Empty containers should be taken to an approved waste handling site for recycling or disposal.
Ecology - waste materials	: Avoid release to the environment.

## SECTION 14: Transport information

### Department of Transportation (DOT)

In accordance with DOT

Not regulated

### Transportation of Dangerous Goods

Not regulated

### Transport by sea

Not regulated

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### Air transport

Not regulated

## SECTION 15: Regulatory information

### 15.1. US Federal regulations

#### STERI-OIL 200® (8042-47-5)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

### 15.2. International regulations

#### CANADA

#### STERI-OIL 200® (8042-47-5)

Listed on the Canadian DSL (Domestic Substances List)

### EU-Regulations

No additional information available

### National regulations

No additional information available

### 15.3. US State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

## SECTION 16: Other information

Revision date : 02/21/2019  
Data sources : US OSHA HazCom (GHS) 25 May 2012.  
Other information : None.

Abbreviations and acronyms:

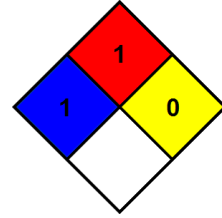
	ACGIH (American Conference of Government Industrial Hygienists)
	ATE (Acute Toxicity Estimate)
	CAS (Chemical Abstracts Service) number
	DNEL (Derived No Effect Level)
	EC50 (Effective Concentration 50%)
	IARC (International Agency for Research on Cancer)
	IATA (International Air Transport Association)
	IMDG (International Maritime Dangerous Goods Code)
	IMO (International Maritime Organisation)
	LC50 (Lethal Concentration 50%)
	LD50 (Lethal Dose 50%)
	OECD (Organisation for Economic Co-operation and Development)
	OSHA (Occupational Safety and Health Administration) (US)
	PBT (Persistent, Bioaccumulative and Toxic)
	STEL (Short Term Exposure Limit)
	TSCA (Toxic Substances Control Act) (US)
	TWA (Time Weighted Average)
	UNxxxx (Number assigned by the United Nations Committee of Experts on the Transport of Dangerous Goods)
	vPvB (very Persistent and very Bioaccumulative)

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- NFPA health hazard : 1 - Materials that, under emergency conditions, can cause significant irritation.
- NFPA fire hazard : 1 - Materials that must be preheated before ignition can occur.
- NFPA reactivity : 0 - Material that in themselves are normally stable, even under fire conditions.



### Hazard Rating

- Health : 1 Slight Hazard - Irritation or minor reversible injury possible
- Flammability : 1 Slight Hazard - Materials that must be preheated before ignition will occur. Includes liquids, solids and semi solids having a flash point above 200 F. (Class IIIB)
- Physical : 0 Minimal Hazard - Materials that are normally stable, even under fire conditions, and will NOT react with water, polymerize, decompose, condense, or self-react. Non-Explosives.

### Indication of changes:

Section	Changed item	Change	Comments
1	Identification	Modified	
3	Composition/Information on ingredients	Modified	
4	First aid measures	Modified	
6	Accidental release measures	Modified	
7	Handling and storage	Modified	
8	Exposure controls / Personal protection equipment	Modified	
9	Physical and chemical properties	Modified	
11	Toxicological information	Modified	
12.	Ecological information	Modified	
15	Regulatory information	Modified	
16	Other information	Modified	

### SDS US (GHS HazCom 2012)

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