

## SAFETY DATA SHEET (SDS)

*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:** Soda Block Grease

**Article Number:** 08716

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

##### Supplier

**Company name:** Opti-Lube  
**Address:** 1195 S 1680 W  
Orem, UT 84058  
USA  
**Telephone:** 801-491-3717

#### Emergency telephone number:

During normal open hours: +1 (801) 491-3717

### 2. Hazard(s) identification

#### Hazard Classification of the substance or mixture



GHS07

Skin Irritant	2	H315	Causes skin irritation.
Eye Irritant	2A	H319	Causes serious eye irritation.
Skin Sensitive	1	H317	May cause an allergic skin reaction.
STOT SE	3	H335	May cause respiratory irritation.

#### Label Elements:

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



GHS07

**Signal Word**

Warning

#### Hazard determining components of labeling:

Rosin and resin acids, sodium salt and asphaltic resin

#### Hazard statements

Causes skin irritation  
Causes serious eye irritation  
May cause an allergic skin reaction  
May cause respiratory irritation

**Precautionary Statement:**

**Prevention:**

If medical advice is needed, have product container or label at hand.  
Keep out of reach of children.  
Read Label before use.  
Avoid breathing dust/fumes/gas/mist/vapors/spray. Wear protective gloves.  
Wear eye protection/face protection. Wash thoroughly after handling.  
Use only outdoors or in a well-ventilated area.  
Contaminated work clothing must not be allowed out of the workplace.

**Response:**

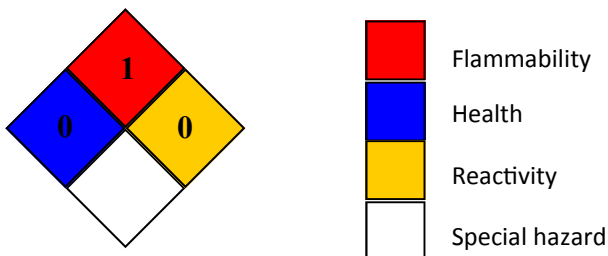
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. Specific treatment (see on this label)  
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a poison center/doctor if you feel unwell. Wash contaminated clothing before reuse.  
IF SKIN IRRITATION OR RASH OCCURS: Get medical advice/attention.  
IF EYE IRRITATION PERSISTS: Get medical advice/attention.  
IF ON SKIN: Wash with plenty of water.  
Store product locked up. Store in well-ventilated place. Keep container tightly closed. Dispose of contents/container in accordance with local/regional/national/international regulations.

**Classification system:**

**HMIS ratings (scale 0 - 4)**

<b>Health</b>	*	0
<b>Flammability</b>		1
<b>Reactivity</b>		0

**NFPA ratings (scale 0 - 4)**



**Other hazards:**

**Results of PBT and vPvB assessment**

**PBT:** No applicable.  
**vPvB:** No applicable.

### 3. Composition/Information on Ingredients

**Chemical characterization:** Mixtures

**Description:** Mixture of the substances listed below with nonhazardous additions.

Chemical Name:	CAS-NO.	Percent by Weight
Asphaltic Resin		10 - < 20%
Rosin and Resin acids, Sodium salt	61790-51-0	10 - < 25%

### 4. First-aid measures

**Description of first aid measures**

<b>Ingestion:</b>	If symptoms persist consult a doctor.
<b>Inhalation:</b>	Supply fresh air; consult a doctor in case of complaints.
<b>Eye Contact:</b>	Rinse opened eye for several minutes under running water.
<b>Skin Contact:</b>	Generally the product does not irritate the skin.
<b>Information for doctor:</b>	<b>Most important symptoms and effects, both acute and delayed</b> No further relevant information available. <b>Indication of any immediate medical attention and special treatment needed</b> No further relevant information available.
<b>Treatment:</b>	Treat symptomatically.

### 5. Fire-fighting measures

<b>Suitable extinguishing media:</b>	Use fire fighting measures that suit the environment.
<b>Specific hazard arising from the substance or mixture:</b>	Vapors may cause a flash fire or ignite explosively. Prevent buildup of No further relevant information available.
<b>Advice for firefighters, Special protective equipment and precautions for firefighters:</b>	No special measures required.

### 6. Accidental release measures

<b>Personal precautions, protective equipment and emergency procedures:</b>	Not required.
<b>Methods and material for containment and cleanup:</b>	Pick up mechanically.
<b>Environment Precautions:</b>	Do not allow to enter sewers/surface or ground water.
<b>References to other sections:</b>	See Section 7 for safe handling. See Section 8 for information on personal protection equipment See Section 13 for disposal information.

## 7. Handling and Storage

- Precautions for safe handling:** No special precautions are necessary if used correctly.
- Information about protection against explosions and fires:** No special measures required.
- Conditions for safe storage, including any incompatibilities:** Keep cool. Store in a well-ventilated place.
- Requirements to be met by storerooms and receptacles:** No special requirements.
- Information about storage in one common storage facility:** Not required.
- Further information about storage conditions:** None.
- Specific end use(s):** No further relevant information available.

## 8. Exposure Controls/personal Protection

### Control Parameters:

#### Components with limit values that require monitoring at the workplace:

64742-52-5 Distillates (petroleum), hydrotreated heavy naphthenic (25 - 50%)	
ACGIH TLV	Short-term value: 10 mg/m <sup>3</sup>
OSHA PEL	Long-term value: 5 mg/m <sup>3</sup>
	Long-term value: 5 mg/m <sup>3</sup>
Asphaltic Resin (10 - < 20%)	
REL TLV	Ceiling limit value: 5* mg/m <sup>3</sup> , *15-min; see pocket guide app. A
	Short-term value: 10 mg/m <sup>3</sup>
	Long-term value: 5 mg/m <sup>3</sup> , *inh. Fraction; as benzene-soluble aerosol; BEIp
822-16-2 Sodium Stearate (10 - < 25%)	
ACGIH TLV	Long-term value: 10 mg/m <sup>3</sup>

#### Ingredients with biological limit values:

Asphaltic Resin (10 - < 20%)	
BEI	Medium: urine
	Time: end of shift at end of workweek
	Parameter: 1 - Hydroxypyrene with hydrolysis (nonquantitative)

**Additional information:** The lists that were valid during the creation were used as basis.

### Exposure controls

#### Personal protective equipment:

**General protective and hygienic measures:** Wash hands before breaks and at the end of work.

**Breathing equipment:** Not required.

**Protection of hands:** The glove material has to be impermeable and resistant to the product/substance/preparation/chemical mixture. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

**Material of gloves:** The selection of a suitable glove does not only depend on the material, but also on further marks of quality and carries from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

**Penetration time of glove material:** The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

**Eye protection:** Not required.

## 9. Physical and chemical properties

### Information on basic physical and chemical properties

#### Appearance

<b>Form:</b>	Solid material
<b>Color:</b>	Dark grey
<b>Oder:</b>	mild
<b>Oder threshold:</b>	No data available
<b>pH:</b>	Not applicable
<b>Change in condition:</b>	
<b>Melting point/melting range</b>	Undetermined.
<b>Boiling point/boiling range</b>	370 °C (698 °F)
<b>Flash point:</b>	> 255 °C (> 491 °F)
<b>Flammability (solid, gas):</b>	Not determined.
<b>Explosive limit – upper (%):</b>	No data available
<b>Explosive limit – lower (%):</b>	No data available
Product does not present an explosion hazard.	
<b>Vapor pressure (air=1):</b>	Not applicable
<b>Density at 20 °C (68 °F):</b>	0.87579 g/cm <sup>3</sup> (7.308 lbs/gal)
<b>Realative Density:</b>	Not determined.
<b>Vapor Density:</b>	Not applicable
<b>Evaporation rate:</b>	Not applicable.
<b>Solubility in water:</b>	Insoluble in water.
<b>Partition coefficient (n-octanol/water):</b>	Not determined.
<b>Viscosity:</b>	
<b>Dynamic:</b>	Not applicable.
<b>Kinematic:</b>	Not applicable.
<b>Ignition temperature:</b>	> 315 °C (> 599 °F)
<b>Auto-ignighting:</b>	Product is not self-ignighting.
<b>Decomposition temperature:</b>	Not Determined
<b>Solvent Content, Organic Solvent:</b>	0.0%
<b>Solids content:</b>	22.9%
<b>Other information:</b>	No further relevant information available.

## 10. Stability and reactivity

<b>Reactivity:</b>	Not determined.
<b>Chemical stability:</b>	Not determined.
<b>Thermal decomposition / condations to be avoided:</b>	No decomposition if used according to specifications.
<b>Possibility of Hazardous Reactions:</b>	No dangerous reactions known.
<b>Conditions to Avoid:</b>	No further relevant information available.
<b>Incompatible Materials:</b>	No further relevant information available.
<b>Hazardous Decomposition Products:</b>	No dangerous decomposition products known.

## 11. Toxicological Information

### Information on likely routes of exposure

<b>Skin contact:</b>	No irritating effect.
<b>Eye contact:</b>	No irritating effect.
<b>Sensitization:</b>	No sensitizing effects known.

### Additional toxicological information:

<b>Acute toxicity:</b>	<b>LD/LC50 values that are relevant for classification:</b>
	<b>ATE (Acute Toxicity Estimates)</b>
	Oral LD50 17094 mg/kg (rat)
	Dermal LD50 15528 mg/kg (rabbit)
	Inhalative LC50/4h 2932 mg/l (rat)
<b>Carcinogenic categories</b>	<b>IARC (International Agency for Research on Cancer)</b>
	Asphaltic Resin
	<b>NTP (National Toxicology Program)</b>
	None of the ingredients are listed.
	<b>OSHA-Ca (Occupational Safety &amp; Health Administration)</b>
	None of the ingredients are listed.

## 12. Ecological Information

### Toxicity

<b>Acute toxicity:</b>	No further relevant information available.
<b>Persistence and degradability:</b>	No further relevant information available.

### Behavior in environmental systems

<b>Bioaccumulative potential:</b>	No further relevant information available.
<b>Mobility in soil:</b>	No further relevant information available.

### Additional ecological information

<b>General Notes:</b>	Water hazard class 1 (self-assessment): Slightly hazardous for water. Do not allow undiluted product of large quantities reach ground water, water course or sewage system.
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### Results of PBT and vPvB assessment

<b>PBT:</b>	Not applicable.
<b>vPvB:</b>	Not applicable.
<b>Other adverse effects</b>	No further relevant information available.

## 13. Disposal considerations

### Waste treatment methods

<b>Recommendation:</b>	Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
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### Uncleaned packagings

<b>Recommendation:</b>	Disposal must be made according to official regulations.
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## 14. Transport Information

<b>UN - Number</b>	DOT, ADN, IMDG, IATA	Not regulated.
<b>UN proper shipping name</b>	DOT, ADN, IMDG, IATA	Not regulated.
<b>Transport hazard class(es)</b>	DOT, ADN, IMDG, IATA	
<b>Classes</b>		Not regulated.
<b>Packing group</b>	DOT, IMDG, IATA	Not regulated.
<b>Environmental hazards</b>		
<b>Marine pollutant:</b>		No.
<b>Special precautions for user:</b>		Not applicable.
<b>Transport in bulk according to annex II of MARPOL73-78 and the IBC Code:</b>		Not applicable.
<b>UN "Model Regulation":</b>		

## 15. Regulatory Information

### Safety, health and environmental regulation/legislation specific for the substance or mixture.

#### SARA

**Section 335 (extremely hazardous substances):** None of the ingredients are listed.

**Section 313 (Specific toxic chemical listings):** None of the ingredients are listed.

**TSCA (toxic substance control act):** All ingredients are listed.

#### Proposition 65

**Chemicals known to cause cancer:** None of the ingredients are listed.

**Chemicals known to cause reproductive toxicity to females:** None of the ingredients are listed.

**Chemicals known to cause reproductive toxicity to males:** None of the ingredients are listed.

**Chemicals known to cause developmental toxicity:** None of the ingredients are listed.

#### Carcinogenic Categories

**EPA (Environmental Protection Agency)** None of the ingredients are listed.

**TLV (Threshold limit value established by ACGIH)** Asphaltic Resin

**NIOSH-Ca (National Institute for Occupational Safety and Health):** Asphaltic Resin.

#### GHS Label elements

The product is classified and labeled according to the globally harmonized system (GHS).

#### Hazard Pictograms



**GHS07**

#### Signal Word

Warning

#### Hazard determining components of labeling:

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#### Hazard statements

Causes skin irritation  
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**Precautionary Statement:**

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Contaminated work clothing must not be allowed out of the workplace.

**Response:**

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. Specific treatment (see on this label)  
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a poison center/doctor if you feel unwell. Wash contaminated clothing before reuse.  
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Store product locked up. Store in well-ventilated place. Keep container tightly closed. Dispose of contents/container in accordance with local/regional/national/international regulations.

**Chemical Safety assessment:**

A Chemical Safety Assessment has not been carried out.

**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.*

**Department issuing SDS:**

Technical Department

**Contact:**

sales@opti-lube.com or 801-491-3717

**Date of preparation / last revision:**09/18/2015

**Abbreviations and acronyms:**

<b>ADR:</b>	Accord europeen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
<b>IMDG:</b>	International Maritime Code for Dangerous Goods.
<b>DOT:</b>	US Department of Transportation.
<b>IATA:</b>	International Air Transport Association.
<b>ACGIH:</b>	American Conference of Governmental Industrial Hygienists.
<b>EINECS:</b>	European Inventory of Existing Commercial Chemical Substances.
<b>ELINCS:</b>	European List of Notified Chemical Substances.
<b>CAS:</b>	Chemical Abstracts Service (division of the American Chemical Society).
<b>NFPA:</b>	National Fire Protection Association (USA).
<b>HMIS:</b>	Hazardous Materials Identification system (USA).
<b>LC50:</b>	Lethal concentration, 50 percent.
<b>LD50:</b>	Lethal dose, 50 percent.
<b>Skin Irrit. 2:</b>	Skin corrosion/irritation, hazard category 2
<b>Eye Irrit. 2A</b>	Serious eye damage/eye irritation, hazard category 2A
<b>Skin Sens. 1:</b>	Sensitisation - skin, hazard category 1
<b>STOT SE 3:</b>	Specific target organ toxicity - single exposure, hazard category 3

\*Data compared to the previous version altered.