



# SAFETY DATA SHEET

Version: 1.2

Revision Date: 7/28/2020

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:** Soda Block Grease  
**Article Number:** O8716

### 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:

During normal business hours: (801)-491-3717

## 2. Hazard(s) identification

### Hazard Classification of the substance or mixture

**GHS07**

Skin Irritant	2	H315	Causes skin irritation
Eye irritation	2A	H319	Causes serious eye irritation
Skin Sensitive	1	H317	May cause an allergic skin reaction

### 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.



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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 outdoor or in a well-ventilated area. Contaminated work clothing must not be allowed out of the workplace.

**Response:**

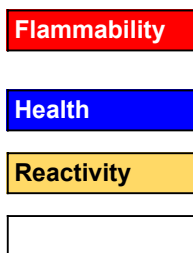
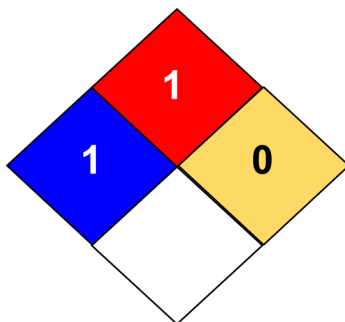
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. Specific treatment (see on this label) IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a poison center/doctor if you feel 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)**



**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



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**Description:** Mixture of the substances listed below with non-hazardous additions.

Chemical Name	CAS-NO.	Percent by Weight
Asphalt Resin	8052-42-4	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>Note To Physician:</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.
<b>Advice for firefighters, Special protective equipment and precautions for firefighters:</b>	No special measures required.

## 6. Accidental release measures

<b>Protective 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.



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## 7. Handling and Storage

<b>Precautions for Safe Handling:</b>	No special precautions are necessary if used correctly.
<b>Information about protection against explosion and fires:</b>	No special measures required.
<b>Conditions for safe storage, including any incompatibilities:</b>	Keep cool. Store in a well-ventilated place.
<b>Requirements to be met by storerooms and receptacles:</b>	No special requirements.
<b>Information about storage in one common storage facility:</b>	Not required.
<b>Further information about storage conditions:</b>	None.
<b>Specific end use(s):</b>	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 Disillates (petroleum), hydrotreated heavy naphthenic (25 - 50%)	
ACGIH TLV	Short-term value: 10 mg/m <sup>3</sup> Long-term value: 5 mg/m <sup>3</sup>
OSHA PEL	Long-term value: 5 mg/m <sup>3</sup>
8052-42-4 Asphaltic Resin (10 - < 20%)	
PEL	Long-term value: 5 mg/m <sup>3</sup>
REL	Short-term value: 10 mg/m <sup>3</sup> Long-term value: 5 mg/m <sup>3</sup> Ceiling limit value: 5* mg/m <sup>3</sup> , *15-min; see pocket guide app. A
TLV	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:

8052-42-4 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.



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## 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

<b>Form:</b>	Solid material
<b>Appearance (Color):</b>	Dark green
<b>Odor:</b>	mild
<b>Odor Threshold:</b>	Not determined
<b>Change in condition:</b>	
<b>Melting Point:</b>	Not determined
<b>Boiling Point:</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> (7.317 lbs/gal)
<b>Relative 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



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<b>Viscosity:</b>	3.43 cSt @40°C (calculated)
<b>Dynamic:</b>	Not applicable
<b>Kinematic:</b>	Not applicable
<b>Ignition temperature:</b>	> 315 °C (> 599 °F)
<b>Auto-ignition:</b>	Product is not self-igniting.
<b>Decomposition Temperature:</b>	Not determined
<b>Solvent Content, Organic Solvent:</b>	0.00%
<b>Solids content:</b>	22.90%
<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 / conditions 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 Toxicological Effects

**ATE (Acute Toxicity Estimates):** LD/LC50 values that are relevant for classification:  
ATE (Acute Toxicity Estimates)  
Oral LD50 17094 mg/kg (rat)  
Dermal LD50 15528 mg/kg (rabbit)  
Inhalation LC50/4h 2932 mg/l (rat)

### Primary Irritant Effect:

<b>On the Skin:</b>	No irritant effect.
<b>On the Eye:</b>	No irritant effect.
<b>Sensitization:</b>	No sensitizing effects known.

### Additional Toxicological Information

#### Carcinogenic categories:

IARC (International Agency for Research on Cancer)	8052-42-4	Asphaltic Resin	2B
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NTP (Naonal Toxicology Program)	None of the ingredients are listed.
OSHA-Ca (Occupational Safety & Health Administration)	None of the ingredients are listed.

## 12. Ecological Information

**Toxicity:****Acute toxicity:** No further relevant information available.**Persistence and degradability:** No further relevant information available.**Behavior in environmental systems****Bioaccumulative potential:** No further relevant information available.**Mobility in soil:** No further relevant information available.**Additional ecological information****General Notes:** 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.**Results of PBT and vPvB assessment****PBT:** Not applicable.**vPvB:** Not applicable.**Other adverse effects:** No further relevant information available.

## 13. Disposal considerations

**Waste treatment methods****Recommendation:** Must not be disposed of together with household garbage. Do not allow product to reach sewage system.**Uncleaned packaging****Recommendation:** Disposal must be made according to official regulations.

## 14. Transport Information

**UN Number:****DOT, ADN, IMDG, IATA** Not regulated.**UN Proper Shipping Name:****DOT, ADN, IMDG, IATA** Not regulated.**Transport Hazard Class(es):****DOT, ADN, IMDG, IATA**



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**Classes** Not regulated.

**Packing Group:**

DOT, ADN, IMDG, IATA Not regulated.

**Environmental Hazards**

**Marine Pollutant:** No

**Special precautions for user:** Not applicable

Transport in bulk according to annex II of MARPOL73-78 and the IBC Code: Not applicable.

UN "Model Regulaon":

## 15. Regulatory Information

Safety, health and environmental regulaon/legislaon specific for the substance or mixture.

### SARA

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

**Secon 313 (Specific toxic chemical lisngs):** None of the ingredients are listed.

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

### Proposion 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.

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

### Carsinogenic Categories

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

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

**NIOSH-Ca (Naonal Instute for Occupaonal Safety and Health):** Asphaltic Resin

### GHS Label elements

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

### Hazard Pictograms



**GH507**

### Signal Word

Warning

**Hazard determining components of labeling:** Rosin and resin acids, sodium salt and asphaltic resin

### Hazard statements:

Causes skin irritaon

Causes serious eye irritation

May cause an allergic skin reaction

May cause respiratory irritation





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**Precautionary Statement:**

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<b>Response:</b>	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.

**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.

<b>Department issuing SDS:</b>	Technical Department
<b>Contact:</b>	sales@opti-lube.com or 801-491-3717
<b>Date of preparation/last revision:</b>	7/28/20

**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



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**Skin Sens. 1:**

Sensitisation - skin, hazard category 1

**STOT SE 3:**

Specific target organ toxicity - single exposure, hazard category 3

\*Data compared to the previous version altered.