# CRC MATERIAL SAFETY DATA SHEET

# Section 1: Product & Company Identification

Product Name: Boat Trailer Wheel Bearing Grease

Product Number (s): SI3121

Product Use: Bearing Grease

## Manufacturer / Supplier Contact Information:

In United States: CRC Industries, Inc. 885 Louis Drive Warminster, PA 18974 <u>www.crcindustries.com</u> 1-215-674-4300(General) (800) 521-3168 (Technical) (800) 272-4620 (Customer Service) In Canada: CRC Canada Co. 2-1246 Lorimar Drive Mississauga, Ontario L5S 1R2 <u>www.crc-canada.ca</u> 1-905-670-2291 In Mexico: CRC Industries Mexico Av. Benito Juárez 4055 G Colonia Orquídea San Luís Potosí, SLP CP 78394 www.crc-mexico.com 52-444-824-1666

24-Hr Emergency - CHEMTREC: (800) 424-9300 or (703) 527-3887

## Section 2: Hazards Identification

## Emergency Overview

As defined by OSHA's Hazard Communication Standard, this product is non-hazardous. Appearance & Odor: Blue semi-solid to solid grease with a faint petroleum odor

## Potential Health Effects:

ACUTE EFFECTS:

EYE: May cause irritation.

- SKIN: Repeated or prolonged contact can result in drying of the skin.
- INHALATION: Heating can generate vapors that may cause respiratory irritation, nausea and headaches. Inhalation hazard at room temperature is unlikely due to the low volatility of this product.
- INGESTION: Can cause stomach ache and vomiting. Main hazard, if ingested, is aspiration into the lungs and subsequent pneumonitis.

CHRONIC EFFECTS: Unknown

TARGET ORGANS: None known

Medical Conditions Aggravated by Exposure: Skin or respiratory conditions

See Section 11 for toxicology and carcinogenicity information on product ingredients.

# Section 3: Composition/Information on Ingredients

COMPONENT	CAS NUMBER	% by Wt.
Hydrotreated heavy naphthenic distillates	64742-52-5	50 - 70
Petroleum oils, 150 bright stock	64742-01-4 / 64742-62-7 / 64742-65-0	10 – 30
Aluminum complex thickener	proprietary	5 – 10
Naphthalenesulfonic acid, dinonyl-	57855-77-3	0.5 – 1.5
Titanium dioxide	13463-67-7	0.2 - 1

## **Section 4: First Aid Measures**

Eye Contact:	Immediately flush with plenty of water for 15 minutes. Call a physician if irritation persists.
Skin Contact:	Remove contaminated clothing and wash affected area with soap and water. Call a physician if irritation persists. Wash contaminated clothing prior to re-use.
Inhalation:	Remove person to fresh air. Keep person calm. If not breathing, give artificial respiration. If breathing is difficult give oxygen. Call a physician.
Ingestion:	Do not induce vomiting. Seek medical attention.
Note to Physicians:	Treat symptomatically.

# **Section 5: Fire-Fighting Measures**

 Flammable Properties:
 As defined by OSHA, this product is nonflammable.

 Flash Point:
 > 450°F / 232.2°C (COC)
 Upper Explosive Limit:
 ND

 Autoignition Temperature:
 ND
 Lower Explosive Limit:
 ND

## Fire and Explosion Data:

Suitable Extinguishing Media:	CO <sub>2</sub> , dry chemical, sand, dolomite, alcohol resistant foam, water spray
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Products of Combustion: Oxides of carbon and sulfur

Explosion Hazards: Containers, when exposed to heat from fire, may build pressure and rupture.

Protection of Fire-Fighters: Firefighters should wear self-contained, NIOSH-approved breathing apparatus for protection against suffocation and possible toxic decomposition products. Proper eye and skin protection should be provided. Use water spray to keep fire-exposed containers cool and to knock down vapors which may result from product decomposition. Avoid water in straight hose stream as it will scatter and spread fire.

## Section 6: Accidental Release Measures

Personal Precautions: Use personal protection recommended in Section 8. Minimize skin contact.

Environmental Precautions: Take precautions to prevent contamination of ground and surface waters. Do not flush into sewers or storm drains. Advise authorities if product has entered waterways.

Methods for Containment & Clean-up: Ventilate the area with fresh air. Wipe up spilled material. Place used

absorbents into proper waste containers.

## Section 7: Handling and Storage

Handling Procedures:	Keep container away from heat, sparks, and open flame. High temperatures may produce irritating vapors. Eye wash station should be available at work place. Keep containers closed when not in use. Ventilate well, especially in warmer environments. For product use instructions, please see the product label.
Storage Procedures:	Store in a cool dry area out of direct sunlight. Containers should be tightly closed while in storage. Store separated from acids and oxidizing materials. Store away from sparks and open flame.

Aerosol Storage Level: NA

# Section 8: Exposure Controls/Personal Protection

#### Exposure Guidelines:

	05	SHA	AC	GIH	0	THER	
COMPONENT	TWA	STEL	TWA	STEL	TWA	SOURCE	UNIT
Hydrotreated heavy naphthenic distillate	5*	NE	5*	10*	NE		mg/m <sup>3</sup>
Petroleum oils, 150 bright stock	5*	NE	5*	10*	NE		mg/m <sup>3</sup>
Aluminum complex thickener	NE	NE	NE	NE	NE		
Naphthalenesulfonic acid, dinonyl-	NE	NE	NE	NE	NE		
Titanium dioxide	15	NE	10	NE	NE		mg/m <sup>3</sup>
N.E. – Not Established	(c) – ce	eiling (s	) – skin	(v) – va	cated	* – oil mist	

## **Controls and Protection:**

Engineering Controls:	Area should have ventilation to provide fresh air. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at the source, preventing dispersion into the general work area. Use mechanical means if necessary to maintain vapor levels below the exposure guidelines. If working in a confined space, follow applicable OSHA regulations.
Respiratory Protection:	None required for normal work where adequate ventilation is provided. If engineering controls are not feasible or if exposure exceeds the applicable exposure limits, use a NIOSH-approved cartridge respirator with organic vapor cartridge. Air monitoring is needed to determine actual

employee exposure levels. Use a self-contained breathing apparatus in confined spaces and

Eye/face Protection: For normal conditions, wear safety glasses.

for emergencies.

Skin Protection: Use protective gloves such as neoprene or nitrile. Also, use full protective clothing if there is prolonged or repeated contact of material with skin.

# **Section 9: Physical and Chemical Properties**

## Product Name: Boat Trailer Wheel Bearing Grease Product Number (s): SL3121

Odor: mild petro	bleum				
Odor Threshold:	ND				
Specific Gravity:	0.90 @ 60°F / 15.6°C				
Initial Boiling Point:	ND				
Freezing Point:	ND				
Vapor Pressure:	< 0.5 mmHg@ 68°F / 20°C				
Vapor Density:	ND (air = 1)				
Evaporation Rate:	slow				
Solubility: insolul	ble in water				
Coefficient of water/o	oil distribution: ND				
pH: NA					
Volatile Organic Con	npounds: <u>wt %</u> : 0	<u>g/L</u> :	0	<u>lbs./gal:</u>	0
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# Section 10: Stability and Reactivity

Stability: Stable

Conditions to Avoid: None

Incompatible Materials: Avoid contact with acids and oxidizing substances.

Hazardous Decomposition Products: Oxides of carbon. Sulfur

Possibility of Hazardous Reactions: No

# Section 11: Toxicological Information

Long-term toxicological studies have not been conducted for this product. The following information is available for components of this product.

## Acute Toxicity:

<u>Component</u> Hydrotreated heavy naphthenic distillate	<u>Oral LD50</u> (rat) > 5000 mg/kg	Dermal LD50 (rabbit) > 2000 mg/kg	Inhalation LC50 (rat) 2.18 mg/L/4H
Petroleum oils, 150 bright stock	> 2000 mg/kg	> 2000 mg/kg	> 5 mg/L/4H
Aluminum complex thickener	No data	No data	No data
Naphthalenesulfonic acid, dinonyl-	No data	No data	No data
Titanium dioxide	> 60,000 mg/kg	No data	No data

#### Chronic Toxicity:

<u>Component</u> Hydrotreated heavy naphthenic distillate	OSHA <u>Carcinogen</u> No	IARC <u>Carcinogen</u> No	NTP <u>Carcinogen</u> No	<u>Irritant</u> Unknown	<u>Sensitizer</u> Unknown
Petroleum oils, 150 bright stock	No	No	No	Unknown	Unknown
Aluminum complex thickener	No	No	No	Unknown	Unknown
Naphthalenesulfonic acid, dinonyl-	No	No	No	Unknown	Unknown
Titanium dioxide	No	No	No	E (mild) / S (mild) / R (mild)	Unknown
			E – Eye	S – Skin	R - Respiratory

Reproductive Toxicity:No information availableTeratogenicity:No information available

## Product Name: Boat Trailer Wheel Bearing Grease Product Number (s): SL3121

 Mutagenicity:
 No information available

 Synergistic Effects:
 No information available

 Other:
 Naphthenic distillates:

 Base oils of this product contain < 3% DMSO</td>

 Extractable total polycyclic aromatic compound (PAC)

## Section 12: Ecological Information

Ecological studies have not been conducted for this product. The following information is available for components of this product.

per IP 346.

Ecotoxicity:Naphthenic distillates:48 Hr EC50 Daphnia magna: >1000 mg/LPersistence / Degradability:No information availableBioaccumulation / Accumulation:No information availableMobility in Environment:No information available

## Section 13: Disposal Considerations

<u>Waste Classification</u>: This product is not a RCRA hazardous waste. (See 40 CFR Part 261.20 – 261.33) Empty containers may be recycled.

All disposal activities must comply with federal, state, provincial and local regulations. Local regulations may be more stringent than state, provincial or national requirements.

## Section 14: Transport Information

US DOT (ground): Not Regulated

ICAO/IATA (air): Not Regulated

IMO/IMDG (water): Not Regulated

Special Provisions: None

## Section 15: Regulatory Information

#### U.S. Federal Regulations:

Toxic Substances Control Act (TSCA): All ingredients are either listed on the TSCA inventory or are exempt.

Comprehensive Environmental Response, Compensation and Liability Act (CERCLA): Reportable Quantities (RQ's) exist for the following ingredients: None

Spills or releases resulting in the loss of any ingredient at or above its RQ require immediate notification to the National Response Center (800-424-8802) and to your Local Emergency Planning Committee.

Superfund Amendments Reauthorization Act (SARA) Title III: Section 302 Extremely Hazardous Substances (EHS): None

Section 311/312 Hazard Categories:	Fire Hazard
	Reactive Hazard
	Release of Pressure

No No No Chronic Health Hazard No Section 313 Toxic Chemicals: This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372: None

No

Acute Health Hazard

Clean Air Act:

Section 112 Hazardous Air Pollutants (HAPs): None

#### U.S. State Regulations:

California Safe Drinking Water and Toxic Enforcement Act (Prop 65):

This product may contain the following chemicals known to the state of California to cause cancer, birth defects or other reproductive harm:

Naphthalene (< 100 ppm)

Consumer Products VOC Regulations: This product is not regulated.

State Right to Know:

New Jersey:	13463-67-7
Pennsylvania:	13463-67-7
Massachusetts:	13463-67-7
Rhode Island :	13463-67-7

#### **Canadian Regulations:**

**Controlled Products Regulations:** 

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

WHMIS Hazard Class: Not Regulated

Canadian DSL Inventory: All ingredients are either listed on the DSL Inventory or are exempt.

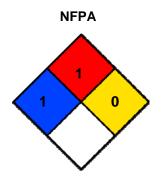
#### **European Union Regulations:**

<u>RoHS Compliance</u>: This product is compliant with Directive 2002/95/EC of the European Parliament and of the Council of 27 January 2003. This product does not contain any of the restricted substances as listed in Article 4(1) of the RoHS Directive.

Additional Regulatory Information: None

# Section 16: Other Information

HMIS® (II)			
Health:	1		
Flammability:	1		
Reactivity:	0		
PPE:	В		



Ratings range from 0 (no hazard) to 4 (severe hazard)

Prepared By:Michelle RudnickCRC #:2902Revision Date:06/02/2015

Changes since last revision: Revision Date

The information contained in this document applies to this specific material as supplied. It may not be valid for this material if it is used in combination with any other materials. This information is accurate to the best of CRC Industries' knowledge or obtained from sources believed by CRC to be accurate. Before using any product, read all warnings and directions on the label. For further clarification of any information contained on this MSDS consult your supervisor, a health & safety professional, or CRC Industries.

NA:

- ACGIH: American Conference of Governmental Industrial Hygienists
- CAS: Chemical Abstract Service
- CFR: Code of Federal Regulations
- DOT: Department of Transportation
- DSL: Domestic Substance List
- g/L: grams per Liter
- HMIS: Hazardous Materials Identification System
- IARC: International Agency for Research on Cancer
- IATA: International Air Transport Association ICAO: International Civil Aviation Organization
- ICAO: International Civil Aviation Organization IMDG: International Maritime Dangerous Goods
- IMO: International Maritime Organization
- lbs./gal: pounds per gallon
- LC: Lethal Concentration
- LD: Lethal Dose

ND:Not DeterminedNIOSH:National Institute of Occupational Safety & HealthNFPA:National Fire Protection AssociationNTP:National Toxicology Program

Not Applicable

- OSHA: Occupational Safety and Health Administration
- PMCC: Pensky-Martens Closed Cup
- PPE: Personal Protection Equipment
- ppm: Parts per Million
- RoHS: Restriction of Hazardous Substances
- STEL: Short Term Exposure Limit
- TCC: Tag Closed Cup
- TWA: Time Weighted Average
- WHMIS: Workplace Hazardous Materials Information System