



MATERIAL SAFETY DATA SHEET

Section 1: Chemical Product and Company Identification

Material Name: BOSS RED STICK #1 & #2
Material uses: Petroleum Lubricating Grease.
Chemical Family: Hydrocarbon
Boss Lubricants **Emergency Phone Number(s)**
 112, 6303 30 St. SE **Business:** (800) 844-9457
 Calgary, AB **Fax #:** (403) 279-2272
 T2C 1R4
Issue Date: June 8, 2017
Supersedes Issue Date: January 1, 2015

Section 2: Hazardous Identification

<u>NFPA Rating</u>		<u>NFPA HAZARD RATING CODES</u>			
Health:	0				
Flammability:	1	Least	0	High	3
Reactivity:	0	Slight	1	Extreme	4
Protective Equipment	B	Moderate	2		

Section 3: Company Composition/Information on Ingredients

<u>MATERIALS OR COMPONENTS</u>	<u>%W</u>	<u>CAS NUMBER</u>	<u>CARCINOGEN OSHA OR IARC</u>
Mineral Oil	5-10	64742-52-5	No
Mineral Oil	40-50	64742-65-0	No
Mineral Oil	30-40	64742-62-7	No
Lithium 12-Hydroxystearate Sebacate	6-12	68815-49-6	No
Polyethylene	0-2	9002-88-4	No
Zinc Alkyldithiophosphate	1-2	68457-79-4	No
Calcium Carbonate	2-5	471-34-1	No

Section 4: First Aid Measures

INGESTION: Do not induce vomiting. Get medical attention
DERMAL: Flush with soap and water. Contaminated clothing- remove & launder.
EYE CONTACT: Flush with plenty of water for at least 15 minutes. Get medical attention.
INHALATION: N/A



Section 5: Fire Fighting Measures

FIRE AND EXPLOSION DATA

FLASH POINT	218.33°C (425°F)
TEST METHOD:	D-92
<u>FLAMMABLE LIMITS</u>	
LOWER:	N/A
UPPER:	%
Auto-ignition Temperature/ <u>Fire Point</u> :	>315.56°C >600°F
EXTINGUISHING MEDIA:	Water- fog, Dry chemical, CO ₂ , Foam, Earth or sand
SPECIAL FIRE FIGHTING PROCEDURES:	Water may cause frothing
UNUSUAL FIRE AND EXPLOSION HAZARDS:	None

Section 6: Accidental Release Measures

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED: Absorb with sand or inert material, Sweep or scoop up and remove

Section 7: Handling and Storage

Other handling and storage conditions: No Special Conditions

Section 8: Exposure Controls / Personal Protection

Effects of Exposure

PERMISSIBLE EXPOSURE LIMIT (Specify if TLV/TWA or Ceiling [c]):

ACGIH 20 5mg/m³ For Mineral Oil OSHA 2017

HEALTH HAZARD

IRRITATION

Skin: Mild (Transient)

Eye: Mild (Transient)

CORROSITIVITY: Not Corrosive

SENSITIZATION: None

INHALATION EFFECTS: None

LUNG EFFECTS (Specify): N/A

OTHER (Specify): None

SPECIAL PROTECTION INFORMATION

VENTILATION REQUIREMENTS: Always maintain exposure below permissible exposure limits. Use with adequate ventilation

EYE: Safety glasses

HAND (GLOVE TYPE): Butyl Rubber, Polyvinyl chloride, Neoprene, or Polyethylene

RESPIRATOR TYPE: N/A

OTHER PROTECTIVE EQUIPMENT: None Normally Required

SPECIAL PRECAUTIONS

PRECAUTIONARY NOTES: Wash thoroughly after handling, do not get in eyes or on clothing, keep container closed, Keep away from sparks, and open flames



Section 9: Physical & Chemical Properties

PHYSICAL PROPERTIES

Appearance and Odor:	Red Tacky- Bland	Specific Gravity (H₂O=1):	0.87
Boiling Point/Range:	371.11°C (700°F)	Vapor Pressure (mm Hg):	N/A
Melting Point:	260°C (500°F)	Vapor Density (Air=1):	N/A
Freezing Point:	N/A	Solubility in H₂O:	Insoluble
Molecular weight (Calculated):	N/A	% Volatiles by Volume:	N/A
		Evaporation Rate:	N/A

Section 10: Chemical Stability & Reactivity Information

STABILITY: Stable

INCOMPATIBILITY – Avoid contact with: Strong Oxidizers

HAZARDOUS DECOMPOSITION PRODUCTS – THERMAL AND OTHER (list): CO & CO₂ If incomplete combustion.

CONDITIONS TO AVOID: Open Flames

Section 11: Toxicological Information

CONDITIONS TO AVOID: Excessive Contact

PRIMARY ROUTES OF ENTRY: Skin Contact

This product has been used for years with no known ill effects. It contains no known carcinogens or mutagens as defined by OSHA or IARC.

Section 12: Ecological Information

Ecotoxicity: No information available.

Section 13: Disposal Considerations

WASTE DISPOSAL METHOD: Consult federal, state, or local authorities for proper disposal procedures. All disposals must comply with **Federal, Provincial and Local Regulations.**

Section 14: Transportation

Basic Description Not classified as hazardous for transport (DOT, TDG, IMO/IMDG, IATA/ICAO).

DOT

Proper Shipping Name: No data available.
UN Number: No data available.
Hazard Class: No data available.
Packing Group: No data available.

TDG

Proper Shipping Name: No data available.
UN Number: No data available.
Hazard Class: No data available.
Packing Group: No data available.

IMDG

Proper Shipping Name: No data available.



UN Number: No data available.
Hazard Class: No data available.
Packing Group: No data available.
Marine Pollutant: No data available.

IATA

Proper Shipping Name: No data available.
UN Number: No data available.
Hazard Class: No data available.
Packing Group: No data available.

Section 15: Regulatory Information

This product contains the following toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 (40 CFR 372):

<u>CAS#</u>	<u>Chemical Name</u>	<u>Percent by Weight</u>		
68457-79-4	Zinc Alkyldithiophosphate	1-2		
Health:	0	NFPA HAZARD RATING CODES		
Flammability:	1	Least: 0	High: 3	
Reactivity:	0	Slight: 1	Extreme: 4	
Protective Equipment:	B	Moderate: 2		

Section 16: Other Information

Revision Information: Update to product branding.

References

ACGIH: American Conference of Governmental Industrial Hygienists	NIOSH: National Institute for Occupational Safety and Health
AIHA: American Industrial Hygiene Association	NTP: National Toxicology Program
CFR: Code of Federal Regulations	OSHA: Occupational Safety and Health Administration
DOT: United States Department of Transportation	PEL: Permissible Exposure Limit
GHS: Globally Harmonized System of Classification and Labeling of Chemicals	RTK: Right-to-Know
HMIS: Hazardous Materials Identification System	SARA: Superfund Amendments and Reauthorization Act
IARC: International Agency for Research on Cancer	STEL: Short-term Exposure Limit
IATA: International Air Transportation Association	TLV: Threshold limit value
IDLH: Immediately Dangerous to Life or Health	TSCA: Toxic Substances Control Act
IMDG: International Maritime Dangerous Goods	TWA: Time weighted average
NFPA: National Fire Protection Association	UN: United Nations
	WHMIS: Workplace Hazardous Materials Information System

Disclaimer: This safety data sheet and the information it contains is offered to you in good faith as accurate. We have reviewed any information contained in the data sheet which we have received from outside sources and we believe the information to be correct, but cannot guarantee its accuracy or completeness. Health and safety precautions in this data sheet may not be adequate for all individuals and/or situations. It is the user's obligation to evaluate and use this product in a safe manner and to comply with all applicable laws and regulations. No statement made in this data sheet shall be construed as



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