



SAFETY DATA SHEET

Issuing Date 20-Jun-2022

Revision date 20-Jun-2022

Revision Number 1

1. PRODUCT AND COMPANY IDENTIFICATION

Product Identifier

Product Name Boss Red Stick EP Grease
#1, #2

Other means of identification

Product Codes GHSRBS-136

Synonyms Oil-based grease.

Recommended use and restrictions on use

Recommended use: Grease

Restrictions on use: No data available

Details of the supplier of the safety data sheet

Initial supplier identifier

BOSS Lubricants

Manufacturer Address

6303 30 ST SE Calgary, AB T2C 1R4

Emergency telephone number

Initial supplier phone number (800) 844-9457

Emergency Telephone Chemtrec 1-800-424-9300

2. HAZARDS IDENTIFICATION

GHS Classification

Classification in accordance with Schedule 1 of Canada's Hazardous Products Regulations (HPR) (SOR/2015-17) and paragraph (d) of 29 CFR 1910.1200 in the United States

Classification of the substance or mixture.

Eye Irritation Category 2A H319 Causes serious eye irritation.

Aquatic Acute 3 H402 Harmful to aquatic life.

Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.

Label Elements

Hazard Pictograms



Signal Word:

Warning

Hazard Statement(s)

H319	Causes serious eye irritation.
H402	Harmful to aquatic life.
H412	Harmful to aquatic life with long lasting effects
<u>Precautionary Statement(s)</u>	
P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of reach of children.
P103	Read label before use.
P264	Wash thoroughly after handling.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P305 + P351	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue Rinsing.
P337 + P313	If eye irritation persists: Get medical advice/attention.
Disposal	Dispose of contents/container in accordance with local, regional, national, and international regulations as applicable

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical characterization: Mixtures

Description: Mixture of the substances listed below with nonhazardous additions

Chemical Name	CAS No.	Concentration	Hazardous Material Information Review Act registry number (HMIRA registry #)	Date HMIRA filed and date exemption granted (if applicable)
Zinc Dialkylthiophosphate	68457-79-4	0.1-2.5%	-	
Diphenylamine	122-39-4	0.1-2.5	-	

4. FIRST AID MEASURES

Description of first aid measures

Inhalation	Remove to fresh air. If breathing is difficult, have a trained individual administer oxygen.
Eye contact	Use eye wash to remove a chemical from the eye. Flush the affected eye for at least fifteen minutes. Tilt the head to prevent chemical from transferring to the uncontaminated eye. Seek medical attention if irritation persists.
Skin Contact	Wash with soap and water. Get medical attention if irritation develops or persists.
Ingestion	Minimal risk of harm if swallowed. Do not induce vomiting. Seek medical attention immediately. Provide medical care provider with this SDS.

Most important symptoms and effects

Acute or Delayed Prolonged contact may cause redness and irritation.

An indication of immediate medical attention and special treatment needed, if necessary

Notes to physician No additional first aid information available.

5. FIRE FIGHTING MEASURES

Extinguishing Media

Suitable extinguishing agents Use firefighting measures that suit the environment.

Specific hazards arising from the Chemical No further relevant information available.

Advice for firefighters

Protective equipment No special measures required.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures Not required.

Methods and Materials for Containment and Cleaning Up Absorb with liquid binding material (sand, diatomite, acid binders, universal binders, sawdust.)

Environmental Precautions Inform respective authorities in case of seepage into water course or Sewage system. Do not allow to enter sewers/ surface or ground water.

Reference to other sections See Section 7 for information on 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

Advice on safe handling No special precautions are necessary if used correctly.

Conditions for safe storage, including any incompatibilities

Conditions for safe storage No special measures required.

Packaging material No special requirements.

Container Advice Keep receptacle tightly sealed

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

122-39-4 diphenylamine (0.1-2.5%)

EL Long-term value 10 mg/m³

EV Long-term value 10 mg/m³

Appropriate engineering controls

Engineering controls Showers
Eyewash stations
Ventilation systems.

Individual protection measures, such as personal protective equipment

Eye/face protection Wear safety glasses with side shields (or goggles). Avoid contact with eyes.

Hand protection Wear suitable gloves.

Skin and body protection No special protective equipment required.

Respiratory protection No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

General hygiene considerations Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state Semi-Solid
Appearance Red
Color Red
Odor Petroleum-like
Odor threshold No information available

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	No data available	None known
Melting point / freezing point	No data available	None known
Boiling point / boiling range	338 °C/ 640.4 °F	ASTM D7213
Flash point	255 °C/ 491 °F	ASTM D93
Evaporation rate	No data available	None known
Flammability (solid, gas)	No data available	None known
Flammability Limit in Air	No data available	None known
Upper flammability or explosive limits	No data available	
Lower flammability or explosive limits	No data available	
Vapor pressure	No data available	None known
Vapor density	No data available	None known
Relative density	1.02479 g/ cm ³	ASTM D1298
Water solubility	Insoluble in water	None known
Solubility in other solvents	No data available	None known
Partition coefficient	No data available	None known

Autoignition temperature	No data available	None known
Decomposition temperature	No data available	None known
Kinematic viscosity	No data available	None known
Dynamic viscosity	No data available	None known

Other information

Explosive properties	No information available.
Oxidizing properties	No information available.
Softening point	No information available
Molecular weight	No information available
VOC Content (%)	No information available
Liquid Density	No information available
Bulk density	No information available

10. STABILITY AND REACTIVITY

Chemical Stability

Reactivity	No further relevant information available
Thermal decomposition/ conditions to be avoided	No decomposition if used according to specifications.
Possibility of Hazardous Reactions	No dangerous reactions known.
Conditions to Avoid	No further relevant information available.
Incompatible Materials	No further relevant information available.
Hazardous decomposition products	No dangerous decomposition products known.

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

Acute toxicity

LD/LC50 values that are relevant for classification

ATE (Acute Toxicity Estimate)	
Oral LD50	>5,815-5,943 mg/kg
Dermal LD50	>73,193 mg/kg

122-39-4 diphenylamine

Oral LD50	100 mg/kg (ATE)
Dermal LD50	300 mg/kg (ATE)
Inhalative LC50/4 h	3 mg/l (ATE)

Primary Irritant Effect:

Skin:	No irritant effect
Eye:	No irritant effect
Sensitization:	No sensitizing effects known.

Additional Toxicological information The product is showing the following dangers according to internally approved calculation methods for preparation: Irritant

Carcinogenicity:	Not expected to cause cancer. This product is not considered a carcinogen by the International Agency for Research on Cancer.
NTP (National Toxicology Program)	None of the ingredients is listed.

12. ECOLOGICAL INFORMATION

Toxicity

Aquatic Toxicity No further relevant information available.

Persistence and Degradability No further relevant information available.

Behaviour in environmental systems

Bioaccumulative Potential No further relevant information available.

Mobility in soil No information available for the product.

Ecotoxicological Effects

Remark: Harmful to fish

Additional Ecological Information

General Notes Water hazard class 1 (Self-assessment): slightly hazardous for water
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
Harmful to aquatic organisms

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

Waste from residues/unused products Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

Contaminated packaging Do not reuse empty containers.

14. TRANSPORT INFORMATION

Transport Canada Not regulated

TDG Not regulated

DOT Not regulated

15. REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture

International Regulations

The Montreal Protocol on Substances that Deplete the Ozone Layer	Not applicable
The Stockholm Convention on Persistent Organic Pollutants	Not applicable
The Rotterdam Convention	Not applicable

International Inventories

TSCA	Complies.
DSL/NDSL	Complies.
EINECS/ELINCS	Contact supplier for inventory compliance status.
ENCS	Contact supplier for inventory compliance status.
IECSC	Contact supplier for inventory compliance status.
KECL	Contact supplier for inventory compliance status.
PICCS	Contact supplier for inventory compliance status.
AICS	Contact supplier for inventory compliance status.

Legend:

- TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
ENCS - Japan Existing and New Chemical Substances
IECSC - China Inventory of Existing Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances
PICCS - Philippines Inventory of Chemicals and Chemical Substances
AICS - Australian Inventory of Chemical Substances

16. Other information

NFPA	Health hazards 2	Flammability 1	Instability 0	Physical and chemical properties -
HMIS	Health hazards 2	Flammability 1	Physical hazards 0	Personal protection X

Key or legend to abbreviations and acronyms used in the safety data sheet

Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

TWA	TWA (time-weighted average)	STEL	STEL (Short Term Exposure Limit)
Ceiling	Maximum limit value	*	Skin designation

Key literature references and sources for data used to compile the SDS

Agency for Toxic Substances and Disease Registry (ATSDR)
 U.S. Environmental Protection Agency ChemView Database
 European Food Safety Authority (EFSA)
 EPA (Environmental Protection Agency)
 Acute Exposure Guideline Level(s) (AEGl(s))
 U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act
 U.S. Environmental Protection Agency High Production Volume Chemicals
 Food Research Journal
 Hazardous Substance Database
 International Uniform Chemical Information Database (IUCLID)
 Japan GHS Classification
 Australia National Industrial Chemicals Notification and Assessment Scheme (NICNAS)

NIOSH (National Institute for Occupational Safety and Health)
National Library of Medicine's ChemID Plus (NLM CIP)
National Library of Medicine's PubMed database (NLM PUBMED)
National Toxicology Program (NTP)
New Zealand's Chemical Classification and Information Database (CCID)
Organization for Economic Co-operation and Development Environment, Health, and Safety Publications
Organization for Economic Co-operation and Development High Production Volume Chemicals Program
Organization for Economic Co-operation and Development Screening Information Data Set
RTECS (Registry of Toxic Effects of Chemical Substances)
World Health Organization

Issuing Date 20-Jun-2022
Revision date 20-Jun-2022
Revision Note No information available.

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet

Data for Regulatory Rules

Region	Template name	Revision Note
Canada	HGHS	2.0

GHS Product Information

Physical state Semi-Solid
Flash point °C 255
Boiling point / boiling range °C 338

Component Information

Canada

GHS Classification

Not Hazardous Not a hazardous substance or mixture according to the Globally Harmonized System (GHS) Not a hazardous substance or mixture according to Canada's Hazardous Product Regulations.
Signal word None
Precautionary Statements - Disposal Dispose of contents/container in accordance with local, regional, national, and international regulations as applicable

