

Issuing Date 22-May-2022

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Revision Number 1

1. Identification

Product identifier

Product Name BOSS HVI Hydraulic 15

Other means of identification

Product Code(s) GHSRBS-003

Synonyms None

Recommended use of the chemical and restrictions on use

Recommended use Lubricating oils.

Restrictions on use No information available

Details of the supplier of the safety data sheet

Initial Supplier Identifier

BOSS Lubricants

Manufacturer Address

6303 30 ST SE Calgary, ABT2C 1R4

Emergency telephone number

Initial supplier phone number (800) 844-9457

Emergency Telephone Chemtrec 1-800-424-9300

2. Hazard(s) identification

Classification

Aspiration hazard Category 1

Label elements

Danger

Hazard statements

May be fatal if swallowed and enters airways



Precautionary Statements - Response

IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician

Do NOT induce vomiting

Precautionary Statements - Storage Store locked up

Precautionary Statements - Disposal

Dispose of contents/container in accordance with local, regional, national, and international regulations as applicable

Other information**3. Composition/information on ingredients****Substance**

Chemical name	CAS No.	Weight-%	Hazardous Material Information Review Act registry number (HMIRA registry #)	Date HMIRA filed and date exemption granted (if applicable)
PROPRIETARY ADDITIVES	PROPRIETARY	0- 1	-	
Lubricating oils, petroleum, hydrotreated spent	64742-58-1	10 - 15	-	
Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based	72623-86-0	80 - 85	-	

If CAS number is "proprietary", the specific chemical identity and percentage of composition has been withheld as a trade secret.

4. First-aid measures**Description of first aid measures****Inhalation**

Remove to fresh air. If not breathing, give artificial respiration. IF exposed or concerned: Get medical advice/attention.

Eye contact

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.

Skin contact

Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Get medical attention if symptoms occur.

Ingestion

Do NOT induce vomiting. Call a physician or poison control center immediately.

Most important symptoms and effects, both acute and delayed**Symptoms**

No information available.

Indication of any immediate medical attention and special treatment needed**Note to physicians**

Treat symptomatically.

5. Fire-fighting measures**Suitable Extinguishing Media**

cause frothing.

Carbon dioxide (CO₂). Foam. Dry chemical. Water spray or fog. Water or foam may

Unsuitable extinguishing media

Do not use high-pressure water streams.

Specific hazards arising from the chemical

Decomposition and combustion materials may be toxic. Burning may produce sulfur oxides, aldehydes, ketones, carbon monoxide and unidentified organic compounds.

Explosion data

Sensitivity to mechanical impact	None.
Sensitivity to static discharge	None.
Special protective equipment for firefighters	Firefighters should wear self-contained breathing apparatus and full firefighting fire- turnout gear. Use personal protection equipment.

6. Accidental release measures**Personal precautions, protective equipment and emergency procedures**

Personal precautions Use personal protective equipment as required. See section 8 for more information.

Methods and material for containment and cleaning up

Methods for containment Stop leak if you can do it without risk. Ventilate area and avoid breathing vapor or mist. Keep unnecessary and unprotected personnel from entering. Keep out of drains, sewers, ditches and waterways.

Methods for cleaning up Take up small spills with dry chemical absorbent, rags, or clay absorbent. Place into containers for later removal. Large spills contain spill in earthen dikes for later recovery.

Report such spills as required to appropriate authorities.

7. Handling and storage**Precautions for safe handling**

Advice on safe handling Avoid breathing dust/fume/gas/mist/vapors/spray. Use in a well-ventilated area. Avoid contact with eyes, skin, clothing shoes. Use grounding and bonding connection when transferring this material to prevent static discharge, fire or explosion. Use spark-proof tools and explosion-proof equipment.

Conditions for safe storage, including any incompatibilities

Storage Conditions Keep container tightly closed in a dry and well-ventilated place. Do not pressurize, cut, weld, braze, solder, drill, or grind containers. Keep containers away from flame, sparks, static electricity, or other sources of ignition. Empty product containers may retain product residue and can be dangerous.

8. Exposure controls/personal protection**Control parameters**

Exposure Limits Mineral oil, as a mist, is regulated by Provincial authorities and range from 0.2 mg/m³ (British Columbia) to 5 mg/m³ (Alberta, Manitoba, Quebec, Saskatchewan). Consult Provincial Occupational Health & Safety authority's websites for details.

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). Contact lenses should not be worn.

Hand protection	Oil impervious gloves if frequent or prolonged contact is expected.
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	No information available
Appearance	Amber Liquid
Color	amber
Odor	characteristic petroleum odor
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	No data available	None known
Flash point	150 °C	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	0.8573 @ 15°C	ASTM D445
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	15 cST @ 40°C	ASTM D445
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

Reactivity	No reactivity hazard is expected.
Chemical stability	Stable under normal conditions.

Possibility of hazardous reactions	None under normal processing.
Conditions to avoid	Heat, flames and sparks.
Incompatible materials	Strong oxidizing agents.
Hazardous decomposition products	Thermal decomposition in the presence of air may yield major amounts of oxides of carbon and minor amounts of oxides of sulfur and nitrogen.

11. Toxicological information

Information on likely routes of exposure

Product Information

Inhalation	Low risk of inhalation at ambient temperatures. Mists or fumes may cause drowsiness, dizziness, headache, nausea, or lung irritation or chemical pneumonitis. High concentrations of vapor or mist may be irritating to the respiratory tract. Including nose and throat, may cause difficulty breathing.
Eye contact	May be mildly irritating. Direct contact may cause burning, tearing and redness. Contact with hot material may cause thermal burns.
Skin contact	Transient, slight irritant, possible mild allergen. Prolonged or repeated contact may cause redness. Contact with hot material may cause thermal burns.
Ingestion	Low toxicity. At a Saybolt viscosity of 170 SUS (100°F), the risk of aspiration into the lungs is reduced. If less than 1oz. is ingested, material may pass through the system without harm. On ingestion of large quantities, slight GI discomfort, diarrhea, and headache may occur. Aspiration into the lungs during ingestion or vomiting may cause mild to severe pulmonary injury and possibly death. Human lethal dose – 1 pint.

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms No information available.

Acute toxicity

Numerical measures of toxicity No information available

Unknown acute toxicity No information available

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation	Prolonged and/or frequent contact may cause drying, cracking (dermatitis) or folliculitis. High oil mist concentrations may lead to oil pneumonia.
Serious eye damage/eye irritation	No information available.
Respiratory or skin sensitization	No information available.
Germ cell mutagenicity	No information available.
Carcinogenicity	No information available.
Reproductive toxicity	No information available.
STOT - single exposure	No information available.

STOT - repeated exposure	No information available.
Aspiration hazard	May be fatal if swallowed and enters airways.

12. Ecological information

Ecotoxicity	Not considered to be harmful to aquatic life.
Persistence and degradability	No information available.
Bioaccumulation	No information available.
Other adverse effects	No 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

<u>Transport Canada</u>	Not regulated
<u>TDG</u>	Not regulated
<u>DOT</u>	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 0	Flammability 1	Instability 0	Physical and chemical properties -
HMIS	Health hazards 0	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

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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

Kinematic viscosity - 15 cST @ 40°C
 Physical state Liquid
 Flash point °C - 106

Component Information

Canada

GHS Classification

Hazardous Aspiration hazard - Category 1
 Signal word May be fatal if swallowed and enters airways
 Precautionary Statements - Disposal Dispose of contents/container in accordance with local, regional, national, and international regulations as applicable

