



SAFETY DATA SHEET

Issuing Date November 1, 2019

Revision date January 25, 2015

Revision Number 1

1. Identification

Product identifier Bossamatic ATF

Other means of identification

Synonyms No data available

Recommended use of the chemical and restrictions on use

Recommended use Automatic Transmission Fluid

Restrictions on use Uses other than those described above

MANUFACTURER/SUPPLIER

Boss Lubricants

112, 6303 30 St. SE

Calgary, AB

T2C 1R4

Emergency Telephone

Emergency Phone Number(s)

Business: (800) 844-9457

Fax #: (403) 279-2272

www.bosslubricants.com

Chemtrec 1-800-424-9300

2. Hazard(s) identification

Classification of the chemical in accordance with paragraph (d) of §1910.1200:

GHS Hazard Symbols



GHS Classification

Skin Sensitisation Category 1

Carcinogenicity Category 1B

Signal Word Danger

Hazard Statements May cause an allergic skin reaction; May cause cancer.

Precautionary Statements

Prevention Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Avoid breathing dust/fume/gas/mist/ vapors/spray. Contaminated

work clothing must not be allowed out of the workplace. Wear protective gloves/protective clothing/eye protection/face protection.

Response	If exposed or concerned: Wash with plenty of water. Get medical advice/attention. Specific treatment (see Sections 4 - 8 of Safety Data Sheet). If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse.
Disposal	Dispose of contents/container in accordance with local/regional/national/international regulations.
Storage	Store locked up.
Hazards not otherwise classified	Repeated exposure may cause skin dryness or cracking.

3. Composition/information on ingredients

Chemical Name	Common name and synonyms	CAS #	%
Petroleum distillates, hydrotreated light naphthenic	No data available	64742-53-6	1 - 5
Long chain alkyl amine thiophosphate	No data available	ACC # 251617	1 - 5
Petroleum distillates, solvent dewaxed heavy paraffinic	No data available	64742-65-0	3 - 7
Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based	No data available	72623-86-0	15 - 40
Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based	No data available	72623-87-1	30 - 60

One or more hazardous ingredient(s) is claimed as a trade secret under the OSHA Hazard Communication Standard. The hazards of this (these) ingredient(s) are given on this SDS.

4. 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 plenty of water. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse.
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/effects, acute and delayed	May cause an allergic skin reaction
Indication of immediate medical attention and special treatment needed, if necessary	Specific treatment (see Sections 4 - 8 of Safety Data Sheet). If exposed or concerned: Get medical advice/attention.

5. Fire-fighting measures

Suitable (and unsuitable) extinguishing media

Suitable extinguishing media:	Use alcohol resistant foam, carbon dioxide, or dry chemical when fighting fires. Water or foam may cause frothing if liquid is burning but it still may be a useful extinguishing agent if carefully applied to the surface of the fire. Do not direct a stream of water into the hot burning liquid.
Unsuitable extinguishing media:	No data available
Specific hazards arising from the chemical:	No data available
Hazardous combustion products:	Carbon monoxide, Sulfur containing gases, Nitrogen containing gases, Aldehydes, oxides of phosphorus, Hydrogen sulfide
Special protective equipment and precautions for fire-fighters	Do not enter fire area without proper protection including self- contained breathing apparatus and full protective equipment. Use methods for the surrounding fire.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures	No health affects expected from the clean up of this material if contact can be avoided. Follow personal protective equipment recommendations found in Section 8 of this SDS.
Methods and materials for containment and cleaning up	Prevent the spread of any spill to minimize harm to human health and the environment if safe to do so. Wear complete and proper personal protective equipment following the recommendation of Section 8 at a minimum. Dike with suitable absorbent material like granulated clay. Dispose of according to Federal, State, Local, or Provincial regulations. Used fluid should be disposed of at a recycling center.

7. Handling and storage

Precautions for safe handling	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood.
--------------------------------------	---

Conditions for safe storage, including any incompatibilities

Safe storage conditions	Store locked up.
Materials to Avoid/Chemical Incompatibility	Strong oxidizing agents
Incompatibility	No data available

8. Exposure controls/personal protection

OSHA permissible exposure limit (PEL), American Conference of Governmental Industrial Hygienists (ACGIH) Threshold Limit Value (TLV), and any other exposure limit used or recommended by the chemical manufacturer, importer, or employer preparing the safety data sheet, where available

Chemical component	OSHA PEL	ACGIH TLV	ACGIH STEL	IDLH
Petroleum distillates, solvent dewaxed heavy paraffinic	5 mg/m ³	5 mg/m ³	10 mg/m ³	No data available
Petroleum distillates, hydrotreated light naphthenic	5 mg/m ³	5 mg/m ³	10 mg/m ³	No data available

Appropriate engineering controls Use local exhaust ventilation or other engineering controls to minimize exposures and maintain operator comfort.

Individual protection measures, such as personal protective equipment

Respiratory Protection	Avoid breathing dust/fume/gas/mist/vapors/spray.
Respirator Type(s)	None required where adequate ventilation is provided. If airborne concentrations are above the applicable exposure limits, use NIOSH/MSHA approved respiratory protection.
Eye protection	No special requirements under normal industrial use.
Skin protection	Where use can result in skin contact, practice good personal hygiene and wear impervious gloves. Wash hands and other exposed areas with mild soap and water before eating, drinking, and when leaving work.
Gloves	Polyvinyl chloride, Impervious rubber
General hygiene conditions	Contaminated work clothing must not be allowed out of the workplace. Wear protective gloves/protective clothing/eye protection/face protection.

9. Physical and chemical properties

Information on basic physical and chemical properties

Physical state	Liquid
Appearance	viscous
Color	Red
Odor	None
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	204°C	ASTM D93
Evaporation rate	No data available	None known
Flammability (solid, gas)	No data available	None known

Flammability Limit in Air		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	0.867 @15°C	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	36 cST @ 40°C	ASTM D445
Dynamic viscosity	No data available	None known
<u>Other information</u>		
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	There are no known reactivity hazards associated with this product.
Chemical stability	Stable under normal conditions.
Possibility of hazardous reactions	None expected under standard conditions of storage.
Conditions to avoid (e.g., static discharge, shock, or vibration)	Temperatures above the high flash point of this combustible material in combination with sparks, open flames, or other sources of ignition.
Incompatible materials	Strong oxidizing agents
Hazardous decomposition products	Carbon monoxide, Sulfur containing gases, Nitrogen containing gases, Aldehydes, oxides of phosphorus, Hydrogen sulfide

11. Toxicological information

Description of the various toxicological (health) effects and the available data used to identify those effects

Information on the likely routes of exposure

Skin contact	Symptoms related to the physical, may cause an allergic skin reaction chemical and toxicological characteristic.
Ingestion	No hazard in normal industrial use. Estimated to be > 5.0 g/kg.
Skin Contact	This material is likely to be slightly irritating to skin based on animal data. Can cause minor skin irritation, defatting and dermatitis.
Absorption	Likely to be practically non-toxic based on animal data.
Inhalation	No hazard in normal industrial use. Likely to be practically non-toxic based on animal data.

Eye Contact	This material is estimated to be non-irritating eyes (Draize score <15 [rabbits]). No hazard in normal industrial use.
Sensitization	May cause an allergic skin reaction
Mutagenicity	No data available to indicate product or any components present at greater than 0.1% is mutagenic or genotoxic.
Carcinogenicity	Not expected to cause cancer. This product meets the IP-346 criteria of <3% PAH's and is not considered a carcinogen by the International Agency for Research on Cancer.
STOT-single exposure	Based on available data, the classification criteria are not met.
STOT-repeated exposure	Based on available data, the classification criteria are not met.
Aspiration hazard	Based on available data, the classification criteria are not met.
Other information	None known.
Numerical measures of toxicity (such as acute toxicity estimates)	

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Long chain alkyl amine thiophosphate		Dermal LD50 Rabbit > 2000 mg/kg	
Petroleum distillates, hydrotreated light naphthenic	Oral LD50 Rat > 5000 mg/kg	Dermal LD50 Rabbit > 2000 mg/kg	Inhalation LC50 (4h) Rat = 2.18 mg/L

Is the hazardous chemical is listed in the National Toxicology Program (NTP) Report on Carcinogens (latest edition) or has been found to be a potential carcinogen in the International Agency for Research on Cancer (IARC) Monographs (latest edition), or by OSHA

Chemical Name	OSHA Carcinogen	IARC Carcinogen	NTP Carcinogen
There are no components that are known or reported to cause cancer.			

12. Ecological information

Ecotoxicity (aquatic and terrestrial, where available) Moderate ecological hazard. This product may be dangerous to plants and/or wildlife.

Ecological Toxicity Data

Chemical Name	CAS #	Aquatic EC50 Crustacea	Aquatic ERC50 Algae	Aquatic LC50 Fish
Long chain alkyl amine thiophosphate	ACC # 251617	No data available	22	No data available
Petroleum distillates, hydrotreated light naphthenic	64742-53-6	> 1000 mg/L	No data available	Aquatic LC50 (96h) Rainbow Trout > 5000 mg/L

Persistence and degradability Biodegrades slowly.

Bioaccumulative potential Bioconcentration may occur.

Mobility in soil: This material is expected to have essentially no mobility in soil. It absorbs strongly to most soil types.

Other hazardous effects None known.

13. Disposal considerations

Description of waste residues and information on their safe handling and methods of disposal, including the disposal of any contaminated packaging Dispose of contents and container in accordance with local/regional/national/international regulations. Recycle containers whenever possible.

14. Transport information**U.S. Department of Transportation (DOT)**

Shipping Description Petroleum lubricating oil, not regulated as a hazardous material for transportation under 49 CFR

Note If shipped by land in a packaging having a capacity of 3,500 gallons or more, the provisions of 49 CFR, Part 130 apply. (Contains oil)

International Maritime Dangerous Goods (IMDG)

Shipping Description Petroleum lubricating oil; not regulated as dangerous goods for transport under the IMDG code

Note U.S. DOT compliance requirements may apply. See 49 CFR 171.22, 23 & 25.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

International Civil Aviation Org. / International Air Transport Assoc. (ICAO/IATA)

Shipping Description: Petroleum lubricating oil; not regulated as dangerous goods for transport under the ICAO TI or IATA DGR

Note U.S. DOT compliance requirements may apply. See 49 CFR 171.22, 23 & 24.

Canadian Transportation of Dangerous Goods by road (TDG)

UN number Not regulated for road transport

15. Regulatory information**Canadian or foreign regulations related to safety, health and the environment: Canada - Domestic Substances List (DSL)**

Chemical Name	CAS #	Canada - Domestic Substances List (DSL)
Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based	72623-87-1	Yes
Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based	72623-86-0	Yes
Petroleum distillates, solvent dewaxed heavy paraffinic	64742-65-0	Yes
Petroleum distillates, hydrotreated light naphthenic	64742-53-6	Yes
Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based	72623-87-1	Yes

Canada - Non-Domestic Substances (CEPA)

Chemical Name	CAS #	California Prop 65 - Cancer
Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based	72623-87-1	No
Lubricating oils (petroleum), C15-30,	72623-86-0	No

hydrotreated neutral oil-based Petroleum distillates, solvent dewaxed heavy paraffinic	64742-65-0	No
Petroleum distillates, hydrotreated light naphthenic	64742-53-6	No

Canada CEPA - 2015 Greenhouse Gases (GHGs) Subject to mandatory reporting:

Chemical Name	CAS #	Canada CEPA - 2015 Greenhouse Gases (GHGs) Subject to mandatory reporting
Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based	72623-87-1	Non
Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based	72623-86-0	Non
Petroleum distillates, solvent dewaxed heavy paraffinic	64742-65-0	Non
Petroleum distillates, hydrotreated light naphthenic	64742-53-6	Non

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

Legend

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDL - 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, including date of preparation or last revision.

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

Issuing Date 01-Nov-2019
Revision date 25-Jan-2015
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	1.0

GHS Product Information

Kinematic viscosity @ 40°C	36 cST
Physical state	Liquid
Flash point °C	204

Component Information

Canada

GHS Classification

Hazardous	Skin Sensitisation	Category 1
	Carcinogenicity	Category 1B
Signal word	Danger	

Precautionary Statements

Prevention	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Avoid breathing dust/fume/gas/mist/ vapors/spray. Contaminated work clothing must not be allowed out of the workplace. Wear protective gloves/protective clothing/eye protection/face protection.
Response	If exposed or concerned: Wash with plenty of water. Get medical advice/attention. Specific treatment (see Sections 4 - 8 of Safety Data Sheet). If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse.
Disposal	Dispose of contents/container in accordance with local/regional/national/international regulations.
Storage	Store locked up.
Hazards not otherwise classified	Repeated exposure may cause skin dryness or cracking.