



Safety Data Sheet

Section 1: Identification

Material Name: BOSS FULL SYNTHETIC MULTI-VEHICLE, LOW VISCOSITY ATF
Synonyms: Full synthetic, low viscosity, multi-vehicle automatic transmission fluid
Recommended Use: Automatic transmission fluid. If this product is used in combination with other products, refer to the Safety Data Sheet for those products.
Restrictions on Use: None known.
Manufacturer: BOSS Lubricants
Address: 6303 30 St SE
Calgary, Alberta
T2C 1R4
Telephone: 1-800-844-9457
Website: www.bosslubricants.com
Emergency phone number: Chemtrec (Within US) 1-800-424-9300
Chemtrec (International) 1-703-527-3887
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Section 2: Hazard(s) Identification

Classification in Accordance with 29 CFR 1910.1200.: Acute Toxicity (Inhalation), Category 4 (~40% unknown)

GHS LABEL ELEMENTS

Symbol(s)



Signal Word: WARNING!

Hazard Statement(s): Harmful if inhaled

Precautionary Statement(s)

Prevention: Avoid breathing vapor or mist. Use only outdoors or in a well-ventilated area.

Response: IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.

Storage: None needed according to classification criteria.

Disposal: Dispose of in accordance with all applicable federal, state and local regulations.

Hazard(s) Not Otherwise Classified: Repeated exposure may cause skin dryness or cracking.

Section 3: Composition / Information on Ingredients

CAS	Component	Percent
64742-54-7	Petroleum distillates, hydrotreated heavy paraffinic	33-67
64742-55-8	Petroleum distillates, hydrotreated light paraffinic	30-60



Section 4: First Aid Measures

Description of Necessary Measures

Inhalation: Remove person to fresh air and keep comfortable for breathing. Get medical attention, if needed.

Skin: Wash with plenty of soap and water. Get medical attention, if needed.

Eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention, if needed.

Ingestion: Immediately call a POISON CENTER or doctor/physician.

Most Important Symptoms/Effects

Acute: Harmful if inhaled

Delayed: No information on significant adverse effects.

Indication of Immediate Medical Attention and Special Treatment Needed: Treat symptomatically and supportively. Call 1-800-468-1760 for additional information.

Section 5: Fire-Fighting Measures

Suitable Extinguishing Media: Carbon dioxide, regular foam, dry chemical, water spray, or water fog. Water or foam may cause frothing.

Unsuitable Extinguishing Media: Do not use high-pressure water streams.

Specific Hazards Arising from the Chemical: Negligible fire hazard. When heated above its flash point, may generate vapors that may ignite in air and a source of ignition. Avoid friction, static electricity and sparks.

Hazardous Combustion Products: Decomposition and combustion materials may be toxic. Burning may produce carbon monoxide and unidentified organic compounds.

Special Protective Equipment and Precautions for Firefighters: A positive-pressure, self-contained breathing apparatus (SCBA) and full-body protective equipment are required for fire emergencies.

Fire Fighting Measures

Move container from fire area if it can be done without risk. Keep storage containers cool with water spray. Heated containers may rupture or be thrown into the air. "Empty" containers may retain residue and can be dangerous.

NFPA Ratings: Health: 1 Fire: 1 Reactivity: 0

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

Section 6: Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures: Wear personal protective clothing and equipment, see Section 8. Avoid release to the environment.

Methods and Materials for Containment and Clean Up: Remove all ignition sources. Do not touch or walk through spilled product. Stop leak if you can do it without risk. Wear protective equipment and provide engineering controls as specified in **Section 8: Exposure Controls/Personnel Protection.** Isolate hazard area. Keep unnecessary and unprotected personnel from entering. Ventilate area and avoid breathing vapor or mist. Contain spill away from surface water and sewers. Contain spill as a liquid for possible recovery, or sorb with compatible sorbent material and shovel with a clean, spark proof tool into a sealable container for disposal. Additionally, for large spills: Dike far ahead of liquid spill for collection and later disposal.

Section 7: Handling and Storage

Precautions for Safe Handling: Keep away from heat, sparks and flame. Where flammable mixtures may be present, equipment safe for such locations should be used. Use clean tools and explosion-proof equipment. When transferring large volumes of product, metal containers, including trucks and tank cars, should be grounded and bonded. This product has a low vapor pressure and is not expected to present an inhalation hazard under normal temperatures and pressures. However, when



aerosolizing, misting, or heating this product, do not breathe vapor or mist. Use in a well ventilated area. Avoid contact with eyes, skin, clothing, and shoes. Wear eye/face protection. Wash thoroughly after handling.

Conditions for Safe Storage, Including Any Incompatibilities: Keep container tightly closed when not in use and during transport. Store containers in a cool, dry 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.

Incompatibilities: Strong oxidizing materials

Section 8: Exposure Controls / Personal Protection

Component Exposure Limits: ACGIH, OSHA, and NIOSH have not developed exposure limits for any of this product's components.

Appropriate Engineering Controls: Provide general ventilation needed to maintain concentration of vapor or mist below applicable exposure limits. Where adequate general ventilation is unavailable, use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below applicable exposure limits.

Individual Protective Measures, such as Personal Protective Equipment: Personal protective equipment should be selected based upon the conditions under which this material is used. A hazard assessment of the work area for PPE requirements should be conducted by a qualified professional pursuant to regulatory requirements. The following PPE should be considered the minimum required: Safety glasses, Gloves, Lab coat or apron.

Eyes/Face Protection: Safety glasses with side shields should be worn at a minimum. Additional protection like goggles, face shields, or respirators may be needed dependent upon anticipated use and concentrations of mists or vapors. Provide an emergency eye wash fountain and quick drench shower in the immediate work area. Contact lens use is not recommended.

Skin Protection: Wear appropriate chemical resistant gloves.

Respiratory Protection: No respiratory protection is normally required. Use NIOSH-certified P- or R- series particulate filter and organic vapor cartridges when concentration of vapor or mist exceeds applicable exposure limits. Protection provided by air purifying respirators is limited. Do not use N-rated respirators. Selection and use of respiratory protective equipment should be in accordance in the USA with OSHA General Industry Standard 29 CFR 1910.134; or in Canada with CSA Standard Z94.4. Consult a qualified Industrial Hygienist or Safety Professional for respiratory selection guidance.

Section 9: Physical & Chemical Properties

Appearance:	Red liquid	Odor:	Mild odor
Odor Threshold:	Not available	pH:	Not available
Boiling Point:	Not applicable	Melting Point:	Not available
Solubility (H2O):	Insoluble	Specific Gravity:	1 (water =1)
Density:	Not available	Octanol/H2O Coeff.:	Not available
Evaporation Rate:	Not available	Molecular Weight:	Not applicable
Auto Ignition Temperature:	Not available	LFL:	Not available
Flash Point:	204°F	UFL:	Not available
Viscosity:	28.56 cSt at 40°C	Vapor Pressure:	<0.20
Vapor Density:	Not available	Percent Volatile:	Not available
Freezing Point:	Not available	Flash Point Method:	Cleveland Open Cup
Particle Size:	Not applicable	Softening Point:	Not applicable
Bulk Density:	Not available	Heat Value:	Not available



Sat. Vapor Conc.: Not available Flammability (solid, gas): Not applicable
Other Property Information: No information is available.

Section 10: Stability & Reactivity

Reactivity: No reactivity hazard is expected.
Chemical Stability: Stable under normal temperatures and pressures.
Possibility of Hazardous Reactions: Will not polymerize.
Conditions To Avoid: Avoid heat, sparks, flames, and other sources of ignition
Incompatible Materials: Avoid oxidizing agents.
Hazardous Decomposition Products: None under normal temperatures and pressures.

Section 11: Toxicological Information

Toxicity Data and Information

Component Analysis - LD50/LC50

Petroleum distillates, hydrotreated heavy paraffinic (64742-54-7)

Oral LD50 Rat >15 g/kg

Petroleum distillates, hydrotreated light paraffinic (64742-55-8)

Inhalation LC50 Rat 3900 mg/m³ 4 h

Information on Likely Routes of Exposure Inhalation: Irritation, lung damage

Ingestion: Diarrhea

Skin Contact: Skin irritation, drying

Eye Contact: Eye irritation

Immediate Effects: Harmful if inhaled

Delayed Effects: No information on significant adverse effects.

Irritation/Corrosivity: May cause irritation.

Respiratory Sensitization: No information available for the product.

Skin Sensitization: No information available for the product.

Carcinogenicity

Component Carcinogenicity: None of this product's components are listed by ACGIH, IARC, OSHA, NIOSH, or NTP. **Germ Cell**

Mutagenicity: No information available for the product.

Teratogenicity: No information available for the product.

Reproductive Effects: No information available for the product.

Specific Target Organ Effects - Single Exposure: No target organs identified.

Specific Target Organ Effects - Repeated Exposure: No target organs identified.

Aspiration Hazard: No information available for the product.

Medical Conditions Aggravated by Exposure: Individuals with pre-existing respiratory tract (nose, throat, and lungs), eye, and/or skin disorders may have increased susceptibility to the effects of exposure.

Section 12: Ecological Information

Ecotoxicity

Component Analysis - Ecotoxicity - Aquatic Toxicity

Petroleum distillates, hydrotreated heavy paraffinic (64742-54-7)



Duration/Test/Species	Concentration/Conditions	Notes
96 Hr LC50 Oncorhynchus mykiss	>5000 mg/L	
48 Hr EC50 Daphnia magna	>1000 mg/L	

Petroleum distillates, hydrotreated light paraffinic (64742-55-8)

Duration/Test/Species	Concentration/Conditions	Notes
96 Hr LC50 Oncorhynchus mykiss	>5000 mg/L	
48 Hr EC50 Daphnia magna	>1000 mg/L	

Persistence and Degradability: No information available for the product.
Bioaccumulation Potential: No information available for the product.
Mobility in Soil: No information available for the product.
Other Adverse Effects: No additional information is available.

Section 13: Disposal Considerations

Disposal Methods: Dispose in accordance with federal, state, provincial, and local regulations. Regulations may also apply to empty containers. The responsibility for proper waste disposal lies with the owner of the waste. Contact Safety-Kleen regarding proper recycling or disposal.
 This product, if discarded, is not expected to be a characteristic or listed hazardous waste. If recycled in the USA, this product can be managed in accordance with the used oil exemption under 40 CFR Part 279. Processing, use, or contamination by the user may change the waste code(s) applicable to the disposal of this product.

Section 14: Transport Information

Emergency Response Guide Number: Not applicable.
Transportation Regulations
DOT Shipping Name: Not regulated as a hazardous material for transportation.
TDG Shipping Name: Not regulated as dangerous goods for transportation.

Section 15: Regulatory Information

Volatile Organic Compounds (As Regulated)

Negligible; As per 40 CFR Part 51.100(s)

Federal Regulations

SARA 302/304

Component Analysis: Based on the ingredient(s) listed in SECTION 3, this product does not contain any "extremely hazardous substances" listed pursuant to Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA) Section 302 or Section 304 as identified in 40 CFR Part 355, Appendix A and B.

SARA 311/312 Hazardous Categories

Acute Health: Yes **Chronic Health:** No **Fire:** No **Pressure:** No **Reactive:** No

SARA Section 313

Component Analysis: This product does not contain any "toxic" chemical subject to the requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA) and 40 CFR Part 372.

CERCLA





Component Analysis: Based on the ingredient(s) listed in SECTION 3, this product does not contain any "hazardous substance" listed under the Comprehensive Environmental Response, Compensation and Liability Act of 1980 (CERCLA) in 40 CFR Part 302, Table 302.4.

TSCA Inventory: All the components of this product are listed on, or are exempted from the requirement to be listed on, the TSCA Inventory.

Component Analysis

Component	CAS #	TSCA
Petroleum distillates, hydrotreated heavy paraffinic	64742-54-7	Yes
Petroleum distillates, hydrotreated light paraffinic	64742-55-8	Yes

U.S. State Regulations

The following components appear on one or more of the following state hazardous substances lists:

Component	CAS	MA	MN	NJ	PA	CA
Petroleum distillates, hydrotreated light paraffinic	64742-55-8	No	Yes	No	No	No

No component(s) are listed under the California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65).

Canadian Regulations

Component Analysis

Component	CAS #	CAN
Petroleum distillates, hydrotreated heavy paraffinic	64742-54-7	DSL
Petroleum distillates, hydrotreated light paraffinic	64742-55-8	DSL

Canadian WHMIS Information: No classification is assigned based on classification criteria.

Section 16: Other Information

Revision Information: Update to SDS.

Key/Legend

ACGIH - American Conference of Governmental Industrial Hygienists; ADR - European Road Transport; BOD - Biochemical Oxygen Demand; C - Celsius; CA - Canada; CAS - Chemical Abstracts Service; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CPR - Controlled Products Regulations; DOT - Department of Transportation; DSL - Domestic Substances List; EPA - Environmental Protection Agency; F - Fahrenheit; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; ICAO - International Civil Aviation Organization; IDL - Ingredient Disclosure List; IMDG - International Maritime Dangerous Goods; Kow - Octanol/water partition coefficient; LEL - Lower Explosive Limit; LOLI - List Of Lists™ - ChemADVISOR's Regulatory Database; MAK - Maximum Concentration Value in the Workplace; MEL - Maximum Exposure Limits; NFPA - National Fire Protection Agency; NIOSH - National Institute for Occupational Safety and Health; NJTSR - New Jersey Trade Secret Registry; NTP - National Toxicology Program; OSHA - Occupational Safety and Health Administration; RCRA - Resource Conservation and Recovery Act; RTECS - Registry of Toxic Effects of Chemical Substances®; SARA - Superfund Amendments and Reauthorization Act; STEL - Short-term Exposure Limit; TDG - Transportation of Dangerous Goods; TSCA - Toxic Substances Control Act; TWA - Time Weighted Average; UEL - Upper Explosive Limit; US - United States

Disclaimer

User assumes all risks incident to the use of this product. To the best of our knowledge, the information contained herein is accurate. However, BOSS Lubricants assumes no liability whatsoever for the accuracy or completeness of the information contained herein. No representations or warranties, either expressed or implied, of merchantability, fitness for a particular purpose or of any other nature are made hereunder with respect to the information or the product to which the information refers. The data contained on this sheet apply to the product as supplier to the user.

