

BOSS LUBRICANTS: MATERIAL SAFETY DATA SHEET

SECTION 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

EFFECTIVE DATE: 01/01/2012

PRODUCT NAME: **BOSSAMATIC**
COMMON NAME: Synthetic Automatic Transmission Fluid
CHEMICAL NAME: Lubricating Oil
CHEMICAL FORMULA: Mixture
CEHMICAL FAMILY: Hydrocarbon

MANUFACTURER **TELEPHONE NUMBERS**
BOSS LUBRICANTS BOSS EMERGENCY NUMBER 1-800-844-9457
122, 6303 – 30TH Street S.E.
Calgary, AB T2C 1R4

SECTION 2: COMPOSITION AND INFORMATION ON INGREDIENTS

INGREDIENTS	PERCENTAGES (by weight)	PEL (OSHA)	TLV (ACGIH)	CAS#
Oil, Solvent Neutral	70-80	N/A	5mg/m ³ TWA (oil mist)	Mixtures
Performance Additives	Proprietary			

(TWA – time Weighted Average is the employee’s average airborne exposure in any 8-hour work shift of a 40-hour work week which shall not be exceeded)

(STEL – Short Term Exposure Limit is the employee’s 15-minute time weighted average exposure which shall not be exceeded at any time during a work day unless another time is specified.)

SECTION 3: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

POTENTIAL HEALTH EFFECTS

ROUTES OF ENTRY: (Eye Contact, Dermal, Inhalation.)

ACUTE EFFECTS OF OVER EXPOSURE:

Eyes – Contact with eyes may cause irritation.

Skin - Contact with skin may cause irritation.

Inhalation – May cause irritation of the nose and throat.

Ingestion – May cause nausea and vomiting. Large quantities may effect the central nervous system.

CHRONIC EFFECTS OF OVER EXPOSURE: No adverse effects anticipated.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Existing dermatitis and respiratory conditions.

CARCINOGENICITY: NTP: No IARC: No OSHA: No

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SECTION 4: FIRST AID MEASURES

EMERGENCY AND FIRST AID PROCEDURES:

Eye Contact – If material comes in contact with the eyes, immediately wash the eyes with large amounts of water for 15 minutes, occasionally lifting the lower and upper lids. Get medical attention.

Skin Contact – If the material comes in contact with the skin, wash the contaminated skin with soap and water promptly. If the material penetrates through clothing, remove the clothing and wash the skin with soap and water promptly. If irritation persists after washing, get medical attention immediately.

Inhalation – If person breathes in large amounts of material, move the exposed person to fresh air. If breathing has stopped, perform artificial respiration. Keep the person warm and at rest. Get medical attention as soon as possible.

Ingestion – If material has been swallowed, do not induce vomiting. Get medical attention immediately.

SECTION 5: FIRE FIGHTING MEASURES

FLASH POINT: 350°F (>177°C)

AUTO IGNITION TEMP: > 500°F

FLAMMABLE LIMITS IN AIR
% BY VOLUME

LOWER
N/A

UPPER
N/A

EXTINGUISHING MEDIA: Use water spray to cool fire exposed surface and to protect personnel. Use foam, dry chemical or water spray (fog) to extinguish fire.

SPECIAL FIRE FIGHTING PROCEDURES: When fighting fires wear full turnout gear and self contained breathing apparatus. Water may cause splattering. Material floats on water.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Toxic fumes gases or vapors may evolve on burning.

HAZARD RATINGS: NFA 704: Health- 1 Fire- 1 Reactivity- 0
HMIS' Health- Fire- Reactivity-

SECTION 6: ACCIDENTAL RELEASE MEASURES

STEPS TO TAKE IF MATERIAL IS RELEASED OR SPILLED: Personal protective equipment should be worn. Ventilate area if confined or poorly ventilated. Contain with dikes or absorbent to prevent migration to sewers/streams. Take up small spill with dry chemical absorbent; large spills may require pump or vacuum prior to absorbent. May require evacuation of severely contaminated soil. Avoid contact with skin and eyes.

SECTION 7: HANDLING AND STORAGE

HANDLING AND STORAGE: Store in closed container away from all ignition sources. Handling temperatures should not exceed 175°F (80°C). Wash thoroughly after handling. Do not store at temperatures exceeding 113°F (45°C). Odorous and toxic fumes may form from the decomposition of this product if stored at excessive temperatures for extended periods of time. Open containers carefully and only in well ventilated areas or use appropriate respiratory protection. Store in well ventilated area.

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SECTION 8: EXPOSURE CONTROL – PERSONAL PROTECTION

ENGINEERING CONTROLS: Ventilate to control mists and vapors below exposure limits.

RESPIRATORY EQUIPMENT: Normally not required, if exposure limits are exceeded use a Niosh approved organic vapor respirator. Self-contained breathing apparatus is recommended for entry into confined spaces or other poorly ventilated areas and for large spill clean-up sites.

EYE PROTECTION: Chemical goggles or faceshield recommended to minimize eye contact.

PROTECTIVE CLOTHING: Impervious (nitrile) gloves recommended when handling material to minimize exposure. Long sleeve shirts, chemically protective aprons and chemically protective boots are recommended for contact exposure or spill clean-up. Do not wear watches, rings or similar apparel that could entrap the material next to the skin.

OTHER (SAFETY SHOWERS, EYE WASH STATIONS, ETC.): Water should be available for flushing and washing when exposure exists. Launder soiled clothes. Discard shoes or other leather articles saturated with the material.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Red Liquid

ODOR: Mild petroleum odor

BOILING POINT: N/D

SPECIFIC GRAVITY (water=1) 0.8443 – 0.8649

VAPOR PRESSURE: <1mm Hg 68°F

VAPOR DENSITY (air=1): N/D

SOLUBLE IN WATER: Insoluble

EVAPORATION RATE (ether=1): <1

pH: N/D

SECTION 10: STABILITY AND REACTIVITY

STABILITY:

STABLE X (At room temperature and pressure. See handling and storage section)

UNSTABLE _____

IMCOMPATIBILITY _

CONDITIONS TO AVOID: See handling and and storage section.

MATERIALS TO AVOID: Acids, oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS: Smoke, carbon monoxide, aldehydes, hydrogen sulfide and alkyl mercaptans may be released. Under combustion conditions, oxides of the following elements will be formed: Magnesium, calcium, nitrogen, sulfur, carbon.

HAZARDOUS POLYMERIZATION: Will not occur.

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SECTION 11: TOXICOLOGY INFORMATION

Note: BOSS Lubricants has not conducted specific toxicity tests on this product.

SECTION 12: ECOLOGICAL INFORMATION

Note: BOSS Lubricants has not conducted specific ecological tests on this product.

SECTION 13: DISPOSAL CONSIDERATION

WASTE DISPOSAL PROCEDURES: Place contaminated materials in a disposable container and dispose of in accordance with Local, State and Federal environmental regulations.

SECTION 14: TRANSPORTATION

DOT PROPER SHIPPING NAME: N/A **DOT HAZARD CLASS:** N/A
DOT IDENTIFICATION NUMBER: N/A **DOT EMERG. RESPONSE GUIDE NO.:** N/A

SECTION 15: REGULATORY INFORMATION

This product (does/not) contain toxic chemicals subject to the reporting requirements of SARA Section 13 of the Emergency Planning and Community Right-To-Know Act of 1986 and of 40 CFR 372.

<u>CAS Number</u>	<u>Chemical Name</u>	<u>Percent by Weight</u>
N/A		

SARA SECTION 311-312 HAZARD CATEGORIES (40 CFR 370.2): Immediate health

FIRE: No SUDDEN RELEASE OF PRESSURE: No REACTIVE No ACUTE Yes
CHRONIC No

SECTION 16: OTHER INFORMATION

Date: July 1, 2011

The information contained in the MSDS relates only to the specific material identified. It does not cover the use of that material in combination with any other material or in any particular process. In compliance with 29 C.F.R. 1910.1200(g), BOSS Lubricants has prepared this MSDS in segments, with the intent that those segments be read together as a whole without textual omissions or alterations. BOSS Lubricants believes the information contained herein to be accurate, but makes no representation, guarantee, or warranty, express or implied, about the accuracy, reliability, or completeness of the information or about the fitness of contents herein for either general or particular purposes. Persons reviewing this MSDS should make their own determination as to the material's suitability and completeness for use in their particular applications.