

## 1. PRODUCT AND COMPANY IDENTIFICATION

EFFECTIVE DATE: 01/01/2012  
PRODUCT: BOSS ATF FLUID – TYPE F  
SYNONYMS: Transmission Fluid  
PRODUCT USE: Lubricating Oil

MANUFACTURER	TELEPHONE NUMBERS	
BOSS LUBRICANTS	BOSS Emergency Number	1-800-844-9457
112, 6303 30 St S.E.	<b>CANUTEC 24 HOUR Emergency Number</b>	613-996-6666
Calgary, AB		
T2C 1R4		

## 2. COMPOSITION/INFORMATION ON INGREDIENTS

Component Name	CAS number	% Range	WHMIS Controlled
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THIS PRODUCT IS NOT A WHMIS CONTROLLED SUBSTANCE.  
See Section 8 for Occupational Exposure Guidelines.

## 3. HAZARDS IDENTIFICATION

**Physical Description:** Liquid Clear Red Colour                      Hydrocarbon Odour

**Routes of Exposure:** Exposure will likely occur through skin contact or from inhalation of mechanically or thermally generated oil mists.

**Hazards:** Inhalation of oil mist or vapours from hot oil may cause irritation of the upper respiratory tract.

For further information on health effects, see Section 11.

## 4. FIRST AID

**Eyes:** Flush eyes with water for at least 15 minutes while holding eyelids open. If irritation occurs and persists, obtain medical attention.

**Skin:** Wipe excess from skin. Wash contaminated skin with mild soap and water for 15 minutes. If irritation occurs and persists, obtain medical attention. If material is injected under the skin, get medical attention promptly to prevent serious damage; do not wait for symptoms to develop.

**Ingestion:** Do not induce vomiting. Obtain medical attention immediately.

**Inhalation:** Remove victim from further exposure. Additional first aid treatment is not ordinarily required.

**Notes to Physician:** In general, lubricating oils have low oral toxicity. High pressure injection under the skin may have serious consequences and may require urgent treatment.

## 5. FIRE FIGHTING MEASURES

**Extinguishing Media:** Dry Chemical  
Chemical Dioxide  
Foam  
Water Fog

**Firefighting** Water or foam may cause frothing. Use water to cool fire exposed containers.

**Instructions:** Water may be used to flush spills away from exposure. Do not enter confined fire space without adequate protective clothing and an approved positive pressure self contained breathing apparatus. Avoid inhalation of smoke. Caution, spilled material is slippery.

**Hazardous Combustion Products:** Carbon monoxide, carbon dioxide and dense smoke are produced on combustion.

## 6. ACCIDENTAL RELEASE MEASURES

Eliminate all ignition sources. Isolate hazard area and restrict access. Wear appropriate breathing apparatus ( if applicable) and protective clothing. Stop leak only if safe to do so. Spilled material is slippery. Dike and contain land spills; contain water spills by booming. For large spills remove by mechanical means and place in containers. Absorb residue or small spills with absorbent material and remove to non-leaking containers for disposal. Dispose of recovered material as noted under Disposal considerations. Notify appropriate environmental agency(ies). Spill area must be cleaned and restored to original condition or to the satisfaction of authorities.

## 7. HANDLING AND STORAGE

**Handling:** Avoid excessive heat, formation of oil mist, breathing of vapours and mist of hot oil and prolonged or repeated contact with skin.. Launder contaminated clothing prior to reuse. Properly dispose of contaminated leather articles, including shoes, that cannot be decontaminated. Use good personal hygiene. Never siphon by mouth. Do not cut, drill, grind, weld or perform similar operations on or near containers.

**Storage:** Store in a cool, dry, well ventilated area, away from heat and ignition sources. Protect against physical damage to containers.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**THE FOLLOWING INFORMATION, WHILE APPROPRIATE FOR THIS PRODUCT, IS GENERAL IN NATURE. THE SELECTION OF PERSONAL PROTECTIVE EQUIPMENT WILL VARY DEPENDING ON THE CONDITIONS OF USE.**

### **OCCUPATIONAL EXPOSURE LIMITS (Current ACGIH TLV/TWA unless otherwise noted):**

Oil mist (mineral): 5 mg/m<sup>3</sup> (STEL: 10 mg/m<sup>3</sup>)

**Mechanical Ventilation:** To maintain levels below workplace exposure limits mechanical ventilation recommended. Make up air should always be supplied to balance air exhausted (either generally or locally). Local ventilation is recommended if oil mist is present or if exposure limit is exceeded.

### **PERSONAL PROTECTIVE EQUIPMENT:**

**Eye Protection:** Chemical safety goggles and/or full face shield to protect eyes and face, if product is handled such that it could be splashed into eyes.

**Skin Protection:** Oil impervious gloves (nitrile, neoprene or PVC) should be worn at all times when handling this product. Impervious clothing (apron, coveralls) should also be worn in confined workspaces or where the risk of skin exposure is much higher.

**Respiratory Protection:** not normally required under intended conditions of use. If exposure exceeds occupational exposure limits, use an appropriate NIOSH-approved respirator. Depending on airborne concentrations, use with a NIOSH-approved dust/mist respirator or a NIOSH-approved supplied-air respirator. Under conditions of high heat, use a NIOSH-approved chemical cartridge respirator with organic vapour cartridges in combination with a dust/mist pre-filter.

## 9. PHYSICAL DATA

**Physical State:** Liquid  
**Appearance:** Clear Red colour  
**Odour:** Hydrocarbon Odour  
**Odour Threshold:** Not available  
**Freezing/Pour Point:** Pour Point <-36 degrees C  
**Boiling Point:** >315 degrees C  
**Density:** 867 kg/m<sup>3</sup> @ 15 degrees C  
**Vapour Density (Air = 1):** Not available  
**Vapour Pressure (absolute):** <0.1 mm Hg @ 20 degrees C  
**pH:** Not applicable  
**Flash Point:** Method Cleveland Open Cup > 176 degrees C  
**Lower Explosion Limit:** Not available  
**Upper Explosion Limit:** Not available  
**Autoignition Temperature:** Not available  
**Viscosity:** 7 – 7.6 cSt @ 100 degrees C  
**Evaporation Rate (n-BuAc = 1):** Not available  
**Partition Coefficient (Kow):** Not available  
**Water Solubility:** Insoluble  
**Other Solvents:** Hydrocarbon Solvents

## 10. STABILITY AND REACTIVITY

**Chemically Stable:** Yes  
**Hazardous Polymerization:** No  
**Sensitive to Mechanical Impact:** No  
**Sensitive to Static Discharge:** No  
**Incompatible Materials:** Avoid strong oxidizing agents  
**Conditions of Reactivity:** Avoid excessive heat, formation of vapours or mists.

## 11. TOXICOLOGICAL INFORMATION

Ingredient (or Product if not specified) Toxicological Data

**Routes of Exposure:** Exposure will most likely occur through skin contact or from inhalation of mechanically or thermally generated oil mists.  
**Formulation:** No data is specifically available for this product and therefore this toxicological information is based on data available for the ingredients.  
**Irritancy:** This product is not a primary skin irritant after exposure of short duration, is not a skin sensitizer and is not irritating to the eyes.  
**Chronic Effects:** Long term intensive exposure to oil mist may cause benign lung fibrosis. Prolonged or repeated contact may cause various forms of dermatitis including folliculitis and oil acne.

## 12. ECOLOGICAL INFORMATION

**Environmental** Do not allow product or runoff from fire control to enter storm or sanitary

**Effects** sewers, lakes, rivers, streams, or public waterways. Block off drains and ditches. Provincial regulations require and federal regulations may require that environmental and/or other agencies be notified of a spill incident. Spill area must be cleaned and restored to original condition or to the satisfaction of authorities.

**Biodegradability:** Not readily biodegradable.

### 13. DISPOSAL CONSIDERATIONS

Waste management priorities (depending on volumes and concentration of waste) are: 1. Recycle (reprocess), 2. Energy recovery (cement kilns, thermal power generation), 3. Incineration, 4. Disposal at a licensed waste disposal facility. Do not attempt to combust waste on-site. Incinerate at a licensed waste disposal site with approval of environmental authority. Landfill absorbed material in a government approved site.

### 14. TRANSPORTATION INFORMATION

**Canadian Road and Rail Shipping Classification:**

This product is not regulated under the Canadian Transportation of Dangerous Goods Regulations for transport by road and rail.

### 15. REGULATORY INFORMATION

**This product has been classified in accordance with the hazard criteria of the *Controlled Products Regulations* (CPR) and the MSDS contains all the information required by the CPR.**

THIS PRODUCT IS NOT A WHMIS CONTROLLED SUBSTANCE.

**DSL/NDSL Status:** This product, or all components, are listed on the Domestic Substances List, as required under the Canadian Environmental Protection Act. This product and/or all components are listed on the U.S. EPA TSCA Inventory.

**Other Regulatory Status:** Provincial criteria are likely and should be requested when notifying provincial authorities. No Canadian federal standard; however, for general discharge guidance, federal installations limited to 15 mg/L for total oil and grease.

### 16. ADDITIONAL INFORMATION

**BOSS LUBRICANTS** makes no warranty, representation or guarantee as to the accuracy, sufficiency or completeness of the material set forth herein. It is the user's responsibility to determine the safety, toxicity and suitability of his own use, handling and disposal of this product. Since actual use by others is beyond our control, no warranty, expressed or implied is made by BOSS LUBRICANTS as to the effects of such use, the results to be obtained or the safety and toxicity of this product, nor does BOSS LUBRICANTS assume liability arising out of the use by others of this product referred to herein. The data in this MSDS relates only to the specific material designated herein and does not relate to use in combination with any other material or in any process.