

# BOSS Lubricants: Material Safety Data Sheet

Date: 01/01/2012  
Emergency Telephone Number: 1-800-844-9457  
Telephone: 403-279-2223  
Fax: 403-720-6156

Product: BOSS Penetrating Oil & Lubricant  
WHMIS Classification: A B3  
TDGA Classification:  
Shipping Name: Consumer Commodity  
PIN Number: 1950  
Class: 2.2  
Packing Group: X

## Section 1: Product Information

Product Name: BOSS Penetrating Oil & Lubricant  
Chemical Formula: Blend  
Product Use: Lubricant

## Section 2: Hazardous Ingredients

Ingredients	%	CAS NO.	LD 50	LC 50
Light Distillate Hydrotreated	30-60	64742-47-8	Not established	Not established
Chlorodifluoromethane	15-40	75-45-6	Not Applicable	Rat 300,000 PPM/2H

## Section 3: Physical Properties

Physical State: Aerosol  
Appearance and odor: Liquid – Solvent Odor  
Odor Threshold (PPM): Not established  
Vapor Pressure (MM HG): Aerosol 40 PSI  
Vapor Density (Air=1): 4.9  
Evaporation Rate (Ether=1): <1  
Boiling Point (°C): 160  
Freezing Point: Not established  
PH: Not established  
% Volatile (by volume): Not established  
Specific Gravity (Water=1): .88  
Coeff. Of water/oil distribution: Not established

## Section 4: Fire and Explosion Information

# BOSS Lubricants: Material Safety Data Sheet

Flammability: Yes  No  
If yes, under what conditions? Open flame means of extinction: Use dry chemical, CO2 or alcohol foam. Do not use water to fight fire.

Flash Point (°C): >40 °C TOC  
Upper Flammable Limit (% in air): 6  
Lower Flammable Limit (% in air): 1.1  
Autoignition (Temperature °C): Not established  
Hazardous Combustion Products: Container may explode if heated above 50 °C  
Fire and Explosion Hazard – Impact: Aerosol container may explode if crushed  
Sensitivity to Static Discharge: None

## Section 5: Reactivity

Chemical Stability: Yes  No  
If no, under what conditions?  
Conditions to avoid: Open flames and sources of heat.  
Incompatibility with other substances: Yes  No  
If yes, which ones? Strong oxidizers, alkalies, strong mineral acids

Reactivity and under what conditions: Polymerization will not occur. Avoid sparks, open flames and all sources of ignition.

Hazardous Decomposition Products: May liberate carbon dioxide and carbon Monoxide.

## Section 6: Toxicity Data

Routes of Absorption  
Skin Contact:  
Skin Absorption:  
Eye Contact:  
Inhalation:   
Ingestion:

Effects of Product Exposure:  
Eyes: may cause irritation  
Skin: may cause irritation  
Inhalation: Excessive inhalation of vapors may irritate nasal and respiratory tract.

Symptoms of Overexposure: Dizziness, headaches, dermatitis, eye redness  
Ingestion: Single dose oral toxicity is low. If aspirated (liquid enters the lung), may be rapidly absorbed through the lungs and result in injury to other body systems. May cause Gastrointestinal Irritation; large doses can cause serious harm.

# Boss Lubricants: Material Safety Data Sheet

Threshold Limit Value (TLV): 5 MG/M<sup>3</sup>  
Irritancy: None below TLV  
Sensitization: None below TLV  
Carcinogenicity: No  
Teratogenicity: Not established  
Reproductive Effects: Not established  
Mutagenicity: Not established  
Synergistic Substances: Not established

## Section 7: Preventative Measure

Protective Equipment:  
Gloves: Neoprene  
Respiratory Protection: Not required below TLV  
Eye protection: Safety glasses  
Protective shoes: Not required  
Protective clothing: Not required  
Other protective measures: none

Ventilation (engineering controls): Maintain concentration levels below TLV  
Action to be taken for spills or leaks: Absorb spill with paper, vermiculite, or any other absorbent and transfer into container.  
Waste disposal method: Absorbed material must be disposed of according to federal, provincial and local laws and regulations. Do not dump into sewers, on the ground or into any body of water.  
Storage and handling instructions: Do not pierce or incinerate aerosol containers and keep away from open flames or heat sources. Store in dry, clean and well ventilated area.  
Transport: Consumer Commodity.

## Section 8: First Aid

Inhalation: Remove victim to fresh air. If breathing is difficult, administer oxygen. If breathing stops, give artificial respiration. Keep victim warm and get medical attention.  
Eyes: Flush with water for 15 minutes while lifting eyelids, if irritation persists, get medical attention.  
Skin: Wash with soap and water. Remove contaminated clothing before reuse.  
Ingestion: Do not induce vomiting, keep victim warm and calm and get medical attention.

## Section 9: Other Regulatory Information

# Boss Lubricants: Material Safety Data Sheet

The information presented herein has been compiled from sources considered to be dependable, and is accurate to the best of BOSS LUBRICANT'S knowledge; however, BOSS makes no warranty whatsoever, expressed or implied, of merchantability or fitness for the particular purpose, regarding the accuracy of such data or the results to be obtained from the use thereof. BOSS LUBRICANTS assumes no responsibility for injury to recipient or to third persons or for any damage to any property and recipient assumes all such risks.

Section 10: Preparation
-------------------------

Date: March 1, 2009  
Prepared by: Technical Services  
Boss Lubricants  
112, 6303 30 Street S.E.  
Calgary, Alberta  
T2C 1R4  
(800) 844-9457

ooooo