



MATERIAL SAFETY DATA SHEET

SECTION 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: ALL SEASON TDH

COMMON NAME: ALL SEASON TDH

CHEMICAL NAME: Lubricating oil

CHEMICAL FORMULA: Mixture

CHEMICAL FAMILY: Hydrocarbon

BOSS LUBRICANTS

112, 6303 – 30 Street SE

Calgary, AB

T2C IR4

Transportation Emergency 1-800-844-9457

Technical Information: 403-279-2223

MSDS Information: 403-279-2223

SECTION 2: COMPOSITION AND INFORMATION ON INGREDIENTS

INGREDIENTS (by weight)	PERCENTAGES	PEL (OSHA)	TLV (ACGIH)	CAS#
Oil, Solvent Neutral	75-90%	N/A	5mg/m3 (oil mist)	Mixture
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 limit 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 affect the central nervous system.

CHRONIC EFFECTS OF OVER EXPOSURE: No adverse effects anticipated.

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

CACINGENICITY: NTP: No IARC: No OSHA: No

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 amount of water for fifteen 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 skin with soap and water promptly. If irritation persists after washing, get medical attention.

Inhalation: If person breathes in large amount of material, move the exposed person to fresh air at once. 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: >400°F (205°C)

AUTO IGNITION TEMP: >500°F

FLAMMABLE LIMITS IN AIR

LOWER

UPPER

% BY VOLUME

N/A

N/A

EXTINGUISHING MEDIA: Use water spray to cool fire exposed surfaces 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: NFPA 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 clothing 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 excavation 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 temperature 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.

SECTION 8: EXPOSURE CONTROL – PERSONAL PROTECTION

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

REPIRATORY EQUIPMENT: Normally not required, if exposure limits are exceeded use a Niosh approved 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 face shield recommended to minimize eye contact.

PROTECTIVE CLOTHING: Impervious (nitrile) gloves recommended when handling material to minimize exposure. Long sleeve shirt, 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: Amber liquid

ODOR:

Mild odor

BOILING POINT: N/D

SPECIFIC GRAVITY (water=1):

0.8800 – 0.8900

VAPOR PRESSURE: <1 mm 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 at room temperature and pressure. See handling and storage section)

IMCOMPATIBILITY: Acids, oxidizing agents.

CONDITIONS TO AVOID: See handling and storage section.

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

HAZARDOUS POLYMERIZATION: Will not occur.

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

Disposal Instructions: 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 Boss Lubricants regarding proper recycling or disposal.

US EPA Waste Number & Descriptions: These products, if discarded, are not expected to be a characteristic or listed hazardous waste. If recycled in the USA, they 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 these products.

SECTION 14: TRANSPORTATION

Emergency Response Guide Number

Reference *North American Emergency Response Guidebook*

DOT Name: Not regulated as a hazardous material.

TDG Shipping Name: Not regulated as a dangerous good.

IATA Information: No Classification Assigned.

IMDG Information: No Classification Assigned.

SECTION 15: Regulatory Information

CAS NUMBER: NA

SARA SECTION 311-212 HAZARD CATEGOR

FIRE: NO **SUDDEN RELEASE OF PRESSURE:**

CHEMICAL NAME: Zinc compounds

IES (40 CFR 370.2): NO

DOT HAZARD CLASS: N/A

DOT EMERG. RESPONSE GUIDE NO: N/A

PERCENT BY WEIGHT: 0.13% as zinc

REACTIVE: NO **ACUTE:** NO **CHRONIC:** NO



SECTION 16: OTHER INFORMATION

Date: February 3, 2015

Supersedes: January 3, 2010

Reason for Issue: Expired

THE INFORMATION CONTAINED IN THIS MSDS RELATES ONLY TO THE SPECIFIC MATERIAL IDENTIFIED. IT DOES NOT COVER 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). BOSSLUBRICANTS HAS PREPARED THIS MSDS IN SEGMENTS, WITH THE INTENT THAT THOSE SEGEMENTS BE READ TOGETHER AS A WHOLE WITHOUT TEXTUAL OMISSIONS OR ALTERATIONS, BOSS BELIEVES THIS 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.