



MATERIAL SAFETY DATA SHEET

SECTION 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

BOSS LUBRICANTS
112, 6303 – 30 Street S.E.
Calgary, AB
T2C 1R4

Transportation Emergency 1-800-844-9457
Technical Information: 403-279-2223
MSDS Information: 403-279-2223

PRODUCT NAME: SynBlend T.G.H.
COMMON NAME: SynBlend T.G.H.

MSDS: 1028-D1A4 – Rev. E, 02/03/2013

CHEMICAL NAME: Lubricating oil

CHEMICAL FORMULA: Mixture

CHEMICAL FAMILY: Hydrocarbon

SECTION 2: COMPOSITION AND INFORMATION ON INGREDIENTS

INGREDIENTS	PERCENTAGES (by weight)	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



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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.

Hazards identification cont'd

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



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AUTO IGNITION TEMP:>500°F

LOWER
N/A

UPPER
N/A

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.



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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



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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 faceshield 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

SECTION 10: STABILITY AND REACTIVITY

pH: N/D

STABILITY:

STABLE X (at room temperature and pressure. See handling and storage section) **UNSTABLE** _____

IMCOMPATIBILITY-

CONDITIONS TO AVOID: See handling and storage section.

MATERIALS TO AVOID: Acids, **oxidizing agents**.

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.



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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.

SECTION13: DISPOSAL CONSIDERATION

WASTE DISPOSAL PROCEDURES: State and Federal environmental regulation	disposable container and dispose of in accordance with Local,
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SECTION 14: TRANSPORTATION

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

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<u>CAS NUMBER</u>	<u>CHEMICAL NAME</u>	<u>WEIGHT</u>	<u>PERCENT BY</u>
NA	Zinc compounds		0.13% as zinc

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SARA SECTION 311-212 HAZARD CATEGORIES (40 CFR 370.2):

FIRE: NO **SUDDEN RELEASE** NO **REACTIVE:** NO **ACUTE:** NO

FIRE: NO SUDDEN RELEASE NO REACTIVE: NO ACUTE: NO

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SECTION 16: OTHER INFORMATION



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 SEGMENTS 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.



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