

Material Safety Data Sheet



THIS MATERIAL SAFETY DATA SHEET MEETS OR EXCEEDS THE REQUIREMENTS OF THE CANADIAN CONTROLLED PRODUCT REGULATIONS (WHMIS)

SECTION 01 : PRODUCT AND COMPANY IDENTIFICATION

Product Trade Name.....	Grease Buster
Product Identifier	B17-292 (Grease Buster)
Manufacturer.....	Waterbased Solutions
.....	Unit #6 20030 Stewart Crescent Maple Ridge,
.....	BC V2X 0T4 Canada 604-465-8028
Prepared By	Senior Chemist
Preparation Date	November 2013
Emergency Phone #.....	(604) 215-1888
Revision Number.....	00002
Material Use	Mixture of solvent and water

SECTION 02 : COMPOSITION

Proprietary Formula: CONTAINS NO COMPONENTS THAT ARE REPORTED TO BE CARCINOGENIC TO HUMANS BY ANY REFERENCE SOURCE INCLUDING, IARC, OSHA, NTP & EPA. NONE OF THE COMPONENTS OF THE EFS-3500 RUST & PAINT REMOVER APPEAR ON ANY OF THE EPA'S LISTS OF TOXIC OR HAZARDOUS SUBSTANCES.

Note: N/A= Not available. N/E= Not established

SECTION 03 : HAZARDOUS INGREDIENTS

Routes of Entry:

Skin Contact: Minor **Eye Contact:** Moderate **Ingestion:** Moderate **Inhalation:** Minor

ACUTE HEALTH EFFECTS: direct contact may cause minor irritation of skin. In persons predisposed to skin problems, minor rash may occur. Contact with the eyes may cause severe irritation, or burning affecting corneal opacity. Although ingestion is not a typical route of entry, ingesting small amounts may cause abdominal discomfort. Inhalation of vapors may cause dizziness, headache, nausea, and difficulty breathing. If misted, inhalation will cause severe irritation of the upper respiratory tract, and lung sensitization.

CHRONIC HEALTH EFFECTS: prolonged contact with the skin may cause redness, rash leading to dermatitis. Chronic inhalation of mists or vapors may cause irreversible lung damage.

HAZARD RATING (0-minimal, 1-slight, 2-moderate, 3-high, 4-extreme) Health 1- Flammability 0-Reactivity 0.

SECTION 04 : FIRE AID MEASURES

Eye Contact	Flush eyes with a directed cold water for at least 15 minutes while forcibly holding eyelids apart to ensure complete irrigation of all eye and lid tissue. Consult a physician.
Skin Contact	Wash affected area with soap and water and rinse thoroughly. If irritation develops obtain medical attention.
Ingestion	Procedures not normally needed. If large quantities are ingested, seek medical advice.
Inhalation.....	Remove to fresh air. Consult a physician.
Effects of Acute Exposure:	See above

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Effects of Chronic Exposure:

Human industrial experience has shown no significant inhalation hazard or skin irritation when good personal hygiene practices are followed.
Not available

Inhalation Chronic:

Protective Equipment:

Gloves:

Respiratory/Type

Eye/Type

Footwear/type

Clothing/type

Other/type

Sensitivity to static:

Discharge:

Sensitivity to impact:

Rate of burning:

Explosive power:.....

Latex, neoprene, or pvc gloves
A NIOSH/MSHA approved respirator as necessary.
Organic vapor type.
Splash proof goggles
Rubber boots
Adequate protective clothing—example: Heavy Duty Rain suit
Eye wash facility should be in close proximity. Emergency shower should be in close proximity.
N/A
N/A
Not Applicable
Not Available

SECTION 05 : FIRE FIGHTING MEASURES

FLASH POINT.....

AUTOIGNITION TEMPERATURES

LOWER EXPLOSIVE LIMIT.....

UPPER EXPLOSION LIMIT:.....

SENSITIVITY TO IMPACT:.....

SENSITIVITY TO STATIC DISCHARGE:

>96 Degree Celsius
NOT APPLICABLE SEE INFORMATION UNDER FIRE FIGHTING INSTRUCTIONS
NOT APPLICABLE
NOT APPLICABLE
NOT SENSITIVE
NOT SENSITIVE

Hazardous Combustion Productions: Burning may produce oxides of carbon and nitrogen.

Extinguishing Media: Use water only or soapy water.

Fire Fighting Instructions: This product is an aqueous solution, and will not combust. Do not enter confined fire space without proper personal protection. Use approved positive pressure self-contained breathing apparatus.

SECTION 06 : ACCIDENTAL RELEASE MEASURES

PERSONAL PROTECTION: See section 8 for proper protective equipment to be worn while cleaning and accidental spill.

ENVIRONMENTAL PRECAUTIONS: Not to expect to have any environmental impact.

CLEANUP PROCEDURES: Take precautions to prevent entry of the product into the environment. Absorb onto sand or other inert absorbent media. Shovel into approved closable waste containers for disposal. Thoroughly flush with water.

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SECTION 07 : HANDLING AND STORAGE

HANDLING PROCEDURES: Use in and adequately ventilated area. Keep container tightly closed when not in use. Avoid methods of use that will cause misting of product. Launder clothing before reuse. Wash face and hands thoroughly after handling and before eating, drinking, or using tobacco products. Keep from freezing.

STORAGE: Store in cool, dry place and in an upright position to prevent leakage and away from acids.

SECTION 08 : EXPOSE CONTROLS, PERSONAL PROTECTION

ENGINEERING CONTROLS: If used indoors, ensure adequate ventilation by using local exhaust.

RESPIRATORY PROTECTION: If product is atomized, or heated to product vapors, use a NIOSH approved organic vapor respirator. When cartridge type respirators are used, ensure that the cartridges are changed frequently.

EYE AND FACE PROTECTION: Chemical splash proof goggles must be worn at all times.

FOOTWEAR: Rubber boots

OTHER: Eye wash station should be located near work area.

SECTION 09 : PHYSICAL AND CHEMICAL PROPERTIES

Physical State.....	Liquid
Chemical Family	Mixture
Odor	Soap odor
Odor/Appearance	Cloudy solution
Vapor Pressure (MMHG).....	Water
Vapor Density (air =1)	Not Applicable
% Solid by volume	13
% Solid by weight	17
Evaporation Rate.....	Water
Boiling Point	>100 degree Celcius
Freezing Point	N/A
PH	9.5
Specific Gravity (water = 1)	1.0-1.07
Solubility in Water (% W/W)	Complete
VOC (g/l)	0 gram/l

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SECTION 10 : STABILITY AND REACTIVITY

CHEMICAL STABILITY AND REACTIVITY: Product is stable. Product may react with strong mineral acids.

INCOMPATIBILITY Caustics, acids, alkali, cyanide, hexavalent chromium compounds, zinc compounds, zinc shaft of the pump, nitric acid, potassium permanganate, metals catalyst (Cobalt, zinc, calcium, lead, manganese, zirconium, bismuth...), metals, oxidizing, reducing agents, and flammables materials. **DO NOT IMMERSER MAGNESIUM substrate.**

HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of carbon and nitrogen. When mixed acids, the release of hydrogen in and exothermic reaction may take place.

HAZARDOUS POLYMERIZATION: Hazardous polymerization will not occur.

SECTION 11 : TOXICOLOGICAL INFORMATION

ACUTE EXPOSURE: Theoretical oral LD50 for the product is greater than 7844mg/kg (oral/rat). The LC50 is not available.

CHRONIC EXPOSURE:	See section 3.
EXPOSURE LIMITS:	See section 2.
IRRITANCY:	See section 3.
SENSITIZATION:	Not available
CARCINOGENICITY:	Not available
TERATOGENICITY:	Not available
REPRODUCTIVE TOXICITY:	Not available
MUTAGENICITY:	Not available
SYNERGISTIC PRODUCTS:	None reported

SECTION 12 : ECOLOGICAL INFORMATION

ENVIRONMENTAL TOXICITY:	none of the components of Grease Buster are on any of the EPA'S lists of toxic or hazardous substances.
BIODEGRADABILITY:	Ingredients using are biodegradable.

SECTION 13 : DISPOSAL CONSIDERATIONS

CANADIAN ENVIRONMENTAL PROTECTION ACT: All ingredients are listed on the DSL. Dispose according to all local, provincial and federal requirements.

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SECTION 14 : TRANSPORT INFORMATION

Canadian transportation of dangerous goods regulation: Not regulated
International air transport association (IATA): Not regulated
International maritime organization (IMO): Not regulated

SECTION 15 : REGULATORY INFORMATION

CANADIAN FEDERAL REGULATIONS:
CANADIAN ENVIRONMENTAL PROTECTION ACT: All ingredients are on the Domestic Substances List.
WHMIS CLASSIFICATION: Class D; Div.2; Subdivision B

SECTION 16 : OTHER INFORMATION

PREPARATION DATE: September, 2013
PREPARE BY: Senior Chemist
REVISION: 4
REFERENCE: MSDS from Science Lab
MSDS from Chem one Ltd
MSDS from GFS Chemicals
Ventura County Air pollution Control District WHMIS Guide MSDS

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