

MATERIAL SAFETY DATA SHEET

NAME OF PRODUCT PlanetSafe A.I.M Extreme Duty Lubricant

FILE NO.: A
MSDS DATE: 6/12/2014

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: PlanetSafe A.I.M Extreme Duty Lubricant
SYNONYMS: PlanetSafe L, Commercial and Industrial Lubricant
PRODUCT CODES: A.I.M

MANUFACTURER: Real Technologies LLC
ADDRESS: 2014 West 730 South
St George, UT 84770

EMERGENCY PHONE: 406-451-8667
OTHER CALLS: 801-310-6715

CHEMICAL NAME: Mixture

PRODUCT USE: General Lubricant, Penetrating Fluid, Cleaner, Anti-Sieze

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

<u>INGREDIENT:</u>	<u>CONCENTRATION</u>
Proprietary Vegetable Oil Compound	Non-Hazardous 5-45
Polyalpha olefin (PAO)	Non-Hazardous 5-45
Proprietary Oil Compound	Non-Hazardous 15-25
Mineral Oil	Non-Hazardous 50-80

SECTION 3: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: Non-hazardous under normal conditions of use. Hot oil can cause thermal burns on contact. Spill may create a slip hazard.

ROUTES OF ENTRY: Skin contact

POTENTIAL HEALTH EFFECTS

EYES: Mild irritation may occur, possible reddening.

SKIN: Non-hazardous, may cause slight irritation.

INGESTION: Large oral doses may cause spasmodic intestinal or abdominal pain. Never give anything by mouth to an unconscious person.

INHALATION: No adverse health effects expected from inhalation.

ACUTE HEALTH HAZARDS: None known.

CHRONIC HEALTH HAZARDS: None known.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: May aggravate pre-existing skin disorders.

SECTION 4: FIRST AID MEASURES

EYES: Immediately flush eyes with water and continue washing for at least 15 minutes. Obtain medical attention immediately.

SKIN: Wash thoroughly with warm water using a mild soap. If hot material contacts skin, immediately cool before attempting removal. If irritation persists or if contact has been prolonged, obtain medical attention.

INGESTION: Do not induce vomiting. Rinse mouth with water. Obtain medical attention.

INHALATION: Remove to fresh air. Aspiration may cause pulmonary edema or aspiration pneumonia. If breathing is difficult, oxygen may be given by qualified personnel. Obtain medical attention if symptoms persist.

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SECTION 5: FIRE-FIGHTING MEASURES

FLAMMABLE LIMITS IN AIR, UPPER: No Data
(% BY VOLUME) LOWER: No Data

FLASH POINT:
F: 356 (estimated)
C: 180

AUTOIGNITION TEMPERATURE:
F: 650 (estimated)
C: 343

NFPA HAZARD CLASSIFICATION

HEALTH: 1 FLAMMABILITY: 1 REACTIVITY: 0
OTHER:

HMIS HAZARD CLASSIFICATION

HEALTH: 1 FLAMMABILITY: 1 REACTIVITY: 0
PROTECTION: B

EXTINGUISHING MEDIA: CO2, dry chemical, dry sand, water fog, or foam

SPECIAL FIRE FIGHTING PROCEDURES: Limit the spread of the oil. Treat as an oil (edible fat) fire. Use air supplied equipment for fighting interior fires.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Keep free of ignition sources. Burning can produce the following combustion products: oxides of carbon, oxides of sulfur, and oxides of calcium.

HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of carbon, oxides of sulfur, and oxides of calcium.

SECTION 6: ACCIDENTAL RELEASE MEASURES

ACCIDENTAL RELEASE MEASURES: Add dry to material to absorb the spill. Avoid walking through material. Comply with all laws and regulations of waste disposal.

SECTION 7: HANDLING AND STORAGE

HANDLING AND STORAGE: Keep away from fire and open flames. Protect from freezing. Keep drums tightly closed to prevent contamination. Avoid contact with eyes, skin, and clothing. Wear recommended personal protective equipment.

OTHER PRECAUTIONS: Keep away from strong oxidizing agents.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

VENTILATION : Not needed under normal conditions of use.

RESPIRATORY PROTECTION: Not needed under normal conditions of use.

EYE PROTECTION: Safety glasses should be worn. Face shield if risk of splashing.

SKIN PROTECTION: Wear oil resistant gloves. Wear protective clothing, such as long sleeves to minimize skin contact.

WORK HYGIENIC PRACTICES: Normal work and hygiene practices for handling non-hazardous material.

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Clear to Yellow-brown

ODOR: Mild petroleum

PHYSICAL STATE: Liquid

pH AS SUPPLIED: 6.5-7.5

BOILING POINT:

F: Not Available

C: Not Available

MELTING POINT:

F: Not Available

C: Not Available

FREEZING POINT:

F: Not Available

C: Not Available

VAPOR PRESSURE (mmHg):

@

F: Not Available

C: Not Available

VAPOR DENSITY (AIR = 1): Not Available

@

F: Not Available

C: Not Available

SPECIFIC GRAVITY (H₂O = 1):

@

0.95 gm/ml

EVAPORATION RATE: Not Available

SOLUBILITY IN WATER: Insoluble

SECTION 10: STABILITY AND REACTIVITY

STABLE

UNSTABLE

STABILITY: Stable under ordinary conditions of use and storage.

CONDITIONS TO AVOID (STABILITY): Excessive heat.

INCOMPATIBILITY (MATERIAL TO AVOID): Avoid flames and strong oxidizers.

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: Carbon dioxide and carbon monoxide may form when heated to decomposition. Combustion may produce oxides of carbon, oxides of sulfur, and oxides of calcium.

HAZARDOUS POLYMERIZATION: Will not occur.

CONDITIONS TO AVOID (POLYMERIZATION): None known.

SECTION 11: TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION: No toxicity testing has been conducted on this product. Any health or toxicological information included in Section 3 was based on data associated with the components used in manufacturing this product.

SECTION 12: ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION: Do not allow to enter soil, waterways, or wastewater. The product can be separated mechanically from water.

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SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Material is not considered hazardous. Do not put into sewer lines. Dispose of according to local, state, and federal regulations and laws. Empty drums should be decontaminated and either passed to an approved drum reconditioner or destroyed. Containers that cannot be cleaned should be treated as waste.

RCRA HAZARD CLASS: It is the responsibility of the user to determine if this material is a RCRA Hazardous Waste at the time of disposal. This material in normal use and storage is not considered hazardous.

SECTION 14: TRANSPORT INFORMATION

U.S. DEPARTMENT OF TRANSPORTATION

PROPER SHIPPING NAME: Not Regulated
HAZARD CLASS: Not Regulated
ID NUMBER: Not Regulated
PACKING GROUP: Not Regulated
LABEL STATEMENT: Not Regulated

WATER TRANSPORTATION

PROPER SHIPPING NAME: Not Regulated
HAZARD CLASS: Not Regulated
ID NUMBER: Not Regulated
PACKING GROUP: Not Regulated
LABEL STATEMENTS: Not Regulated

AIR TRANSPORTATION

PROPER SHIPPING NAME: Not Regulated
HAZARD CLASS: Not Regulated
ID NUMBER: Not Regulated
PACKING GROUP: Not Regulated
LABEL STATEMENTS: Not Regulated

SECTION 15: REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS

TSCA (TOXIC SUBSTANCE CONTROL ACT): The contents of this product are listed.

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT):

311/312 HAZARD CATEGORIES: No hazard categories identified.

STATE REGULATIONS: In normal use and storage the product is non-hazardous.

SECTION 16: OTHER INFORMATION

DISCLAIMER:

Information presented herein has been compiled from source considered to be accurate and dependable to the best of our knowledge and belief but is not guaranteed to be so. Nothing herein is to be construed as recommending any practice or any product in violation of any law or regulation. It is the user's responsibility to determine the suitability of any material for a specific purpose and to adopt such safety precautions as necessary. Since conditions of use are not under our control, we must disclaim all liability with respect to the use and disposal of our products.