SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT: SE-5000 Grease
PRODUCT DESCRIPTION: HEAVY DUTY
INTENDED USE: LUBRICATING GREASE

COMPANY IDENTIFICATION:

STEWARD ENTERPRISES INC.
31 Apache Ct.
Appleton, WI 54911
Phone: (920) 734-4146
Web: www.StewardEnterpriseInc.com
Emergency: 1-800-255-3924

SECTION 2: COMPOSITION / INFORMATION ON INGREDIENTS

COMPONENT	CAS NUMBER	WEIGHT %
LUBRICANT BASE OIL (PETROLEUM), HIGHLY REFINED (MIXTURE# 20146)**(2)	MIXTURE	60 – 80%
CALCIUM SULFONATE COMPLEX THICKENER (PROPRIETARY INGREDIENT# 28287)	PROPRIETARY	7 – 30%
VISCOSITY INDEX IMPROVER (PROPRIETARY INGREDIENT# 20641)	PROPRIETARY	< 1 – 8%
BENZENESULFONIC ACID, DODECYL-, CALCIUM SALT	26264-06-2	1 – 3%

The specific chemical names and composition of the components not disclosed is confidential business information and is withheld as permitted by 29CFR 1910.1200 and various Right-to-Know laws. This Product is not a WHMIS Controlled Substance.

SECTION 3: HAZARD IDENTIFICATION

This material is not considered to be hazardous according to regulatory guidelines. (See Section 15)

POTENTIAL HEALTH EFFECTS
Excessive exposure may result in eye, skin or respiratory irritation. Low order of toxicity. High-pressure injection under skin may cause serious damage.

NFPA Rating: Flammability: 1, Reactivity: 0, Health: 1
HMIS Rating: Flammability: 1, Reactivity: 0, Health: 1

NOTE: This material should not be used for any other purpose than the intended use listed in Section 1 without expert advice. Health studies have shown that chemical exposure may cause potential human health risks, which may vary from person to person.

SECTION 4: FIRST AID MEASURES

EYE CONTACT: Immediately flush with large quantities of cool water for at least 15 minutes. Get medical attention.
SKIN CONTACT: Wash off with soap and water.
INHALATION: Remove to fresh air. If not breathing, give artificial respiration. Get medical attention.
INGESTION: Do NOT induce vomiting. Get medical attention.
Notes to Physician: High pressure injection under the skin may have serious consequences and may require urgent treatment.

SECTION 5: FIRE AND EXPLOSION DATA

EXTINGUISHING MEDIA
Appropriate Extinguishing Media: Water Spray (fog), dry chemical, foam, halon, or carbon dioxide.
Inappropriate Extinguishing Media: Water stream may splash burning liquid and spread fire.

FIRE FIGHTING
Fire Fighting Procedures: Evacuate area. Prevent runoff from fire control or dilution from entering streams, sewers or drinking water supply. Fire fighters should use self-contained breathing apparatus (SCBA) to fight fires. Use water spray to cool fire exposed surfaces and to protect personnel.
Hazardous Combustion Products: Smoke, Fume, Sulfur oxides, oxides of carbon.

FLAMMABILITY PROPERITES
Flashpoint (Cleveland Open Cup): 455°F
Flammable Limits (Approximate volume% in Air): LEL: NA UEL: NA
Auto-ignition Temperature: NA

SECTION 6: ACCIDENTAL RELEASE MEASURES

NOTIFICATION PROCEDURE
Contain any spills with absorbents to prevent migrations and entry into sewers or streams. Take up small spills with dry chemical absorbent. Large spills may be taken up with pump or vacuum and finished off with dry chemical absorbent. May require excavation of contaminated soil.

SPILL MANAGEMENT
Land Spill: Contain any spills with absorbents to prevent migrations and entry into sewers or streams. Take up small spills with dry chemical absorbent. Large spills may be taken up with pump or vacuum and finished off with dry chemical absorbent. May require excavation of contaminated soil.
Water Spill: Confine the spill immediately with booms. Stop leak, if you can do so without risking personal safety. Report spills as required to appropriate authorities. Remove from the surface by skimming or with suitable absorbents.

ENVIRONMENTAL PRECAUTIONS
Large spills should be diked for later recovery or disposal. Spills may be taken up with pump or vacuum and finished off with dry chemical absorbent. May require excavation of contaminated soil. To the best of Steward Enterprises, Inc. knowledge, this product is not regulated by CERCLA/RCRA as a hazardous waste or material. However, this product has not been tested for the toxicity characteristic via the Toxicity Characteristic Leaching Procedure. Therefore, it may be disposed of as an industrial waste in a manner acceptable to good waste management practice and in compliance with applicable local, state, and federal regulations.

SECTION 7: HANDLING AND STORAGE

HANDLING
Avoid contact with skin. Prevent spills and leaks to avoid slipping hazards.

STORAGE
Keep containers sealed until ready for use. Avoid excessive long-term storage temperatures to prolong shelf life. Maximum storage temperature: 120F. Store in well ventilated areas.

SECTION 8: EXPOSURE CONTROLS/ PERSONAL PROTECTION INFORMATION

Exposure limits/standards for materials that can be formed when handling this product: When mists/aerosols can occur, the following are recommended: 5 mg/m3 – ACGIH TLV, 10mg/m3 – ACGIH STEL, 5 mg/m3 – OSHA PEL

ENGINEERING CONTROLS

The level pf protection and types of control necessary will vary depending upon potential exposure conditions. Under normal conditions, no special control required when used in a well-ventilated area with local exhaust ventilation.

PERSONAL PROTECTION

Personal protective equipment selections vary based on potential exposure conditions such as applications, handling practices, concentration and ventilation. Information on the selection of protective equipment for use with this material, as provided below, is based upon intended, normal usage.

Respiratory Protection: None required in normal use. Use only NIOSH/MSHA Organic vapor approved equipment if necessary.

Hand Protection: Chemical resistant gloves are recommended. No protection is required in normal use.

Eye Protection: Goggles or safety glasses with side shields are recommended.

Skin and Body Protection: Chemical / oil resistant clothing if contact with material is likely. NO skin protection is ordinarily required under normal conditions of use.

Special Hygiene Measures: Practice good personal hygiene. Wash hands after use and handling.

ENVIRONMENTAL CONTROLS

See Section 6, 7, 12, 13.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE/PHYSICAL STATE: GREASE

COLOR: TAN

ODOR: MILD (OR FAINT). PETROLEUM

SOLUBILITY DESCRIPTION: INSOLUBLE IN WATER

DENSITY: 0.96 **Temperature (°C)**: 16

VAPOR DENSITY (air=1): > 5

VAPOR PRESSURE: < 0.01 mmHg **Temperature (°C)**: 20

EVAPORATION RATE: < 1 **REFERENCE**: BuAc=1

pH-VALUE, CONC. SOLUTION: N/A

SECTION 10: STABILITY AND REACTIVITY

STABILITY: Stable under normal temperatures and pressures
CONDITIONS TO AVOID: Excessive heat. Sources of ignition.
MATERIALS TO AVOID: Strong oxidizing agents, heat, open flame.
Hazardous Decomposition Products: Does not decompose at ambient temperatures.
Hazardous Polymerization: Does not occur.

SECTION 11: TOXICOLOGICAL INFORMATION

ACUTE TOXICITY

Product or Ingredients:
No data is specifically available for this product and therefore this toxicological information is based on data available for the ingredients.
Routes of Exposure:
Exposure will most likely occur through skin contact or form inhalation of mechanically or thermally generated oil mists.
Skin and Eye:
This product is not a primary skin irritant after exposure of short duration, is not a skin sensitizer and is not irritating to the eyes. .

CHRONIC/OTHER EFFECTS

Prolonged and repeated contact with skin can cause defatting and drying of the skin resulting in skin irritation and dermatitis. Long term intensive exposure to oil mist may cause benign lung fibrosis.
The following ingredients are cited on the lists below: None
NTP CARC, NTP SUS, IARC 1, IARC 2A, IARC 2B, OSHA CARC
This material is not known to contain any chemical listed as a carcinogen or suspected carcinogen by OSHA Hazard Communication Standard 29CFR 1910.1200, IARC, or the National Toxicology Program (NTP) at a concentration greater than 0.1%.

SECTION 12: ECOLOGICAL INFORMATION

ECOTOXICITY
Material – Not expected to be harmful to aquatic organisms.

MOBILITY
Base oil component – Low solubility and float and is expected to migrate from water to the land. Expected to partition to sediment and wastewater solids.

PERSISTENCE AND DEGRADABILITY
Biodegradation: N/E

SECTION 13: DISPOSAL INFORMATION

Disposal recommendations based on material as supplied. Therefore, it may be disposed of as an industrial waste in a manner acceptable to good waste management practice and in compliance with applicable local, state, and federal regulations.

DISPOSAL RECOMMENDATIONS

Product is suitable for burning in an enclosed controlled burner for fuel value or disposal by supervised incineration at very high temperatures to prevent formation of undesirable combustion products.

REGULATORY DISPOSAL INFORMATION

To the best of Steward Enterprises, Inc. knowledge, this product is not regulated by CERCLA/RCRA as a hazardous waste or material. However, this product has not been tested for the toxicity characteristic via the Toxicity Characteristic Leaching Procedure.

Empty Container Warning: Do not attempt to refill or clean containers since residue is difficult to remove. Empty drums should be completely drained, properly bunged and returned to a drum re-conditioner. All containers should be disposed of in an environmentally safe manner and in accordance with governmental regulations.

SECTION 14: TRANSPORT INFORMATION

LAND-DOT: Not Regulated for Land Transportation
LAND-TDG: Not Regulated for Land Transportation
SEA-IMDG: Not Regulated for Sea Transport
AIR-IATA: Not Regulated for Air Transport

SECTION 15: REGULATORY INFORMATION

OSHA Hazard Communication Standard: When used for its intended purposes, this material is not classified as hazardous in accordance with OSHA 29 CFR 1910.1200.

WHMIS: Not a controlled product

Chemical Inventory Listing: TSCA, CEPA

EPCRA: This material contains no extremely hazardous substances.

SARA (311/312) Reportable Hazard Categories: None

SARA (313) Toxic Release Inventory: This material contains no chemicals subject to the supplier notification requirements of the SARA 313 Toxic Release Program

TSCA: This material is in compliance with the Toxic Substances Control Act (15USC2601-2629)

CEPA: All components of this product are either on the Domestic Substance List (DSL) or are exempted.

SECTION 16: OTHER INFORMATION

NE = Not Established, ND = Not Determined, NA = Not Applicable

THIS SAFETY DATA SHEET CONTAINS THE FOLLOWING REVISIONS:
No Revision information is available.

Revision Date: May 3rd, 2012

Supersedes: Any previous versions

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