MATERIAL SAFETY DATA SHEET

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PAGE: 1 OF 2

1. PRODUCT NAME & HAZARD SUMMARY

5550 Green Earth Charge Detergent
PRIMARY USE: DRYCLEAN DETERGENT FOR GREENEARTH™ SOLUTION

2. HAZARDOUS COMPONENTS

INGREDIENTS NOT IDENTIFIED ARE NON-HAZARDOUS.

3. PHYSICAL & CHEMICAL DATA

4. FIRE & EXPLOSION HAZARDS

FLASH POINT: ≥170°F (76°C)
FLAMMABLE LIMITS IN AIR, % BY VOLUME: Not Determined
FIRE FIGHTING MEDIA (1990 EMERGENCY RESPONSE GUIDEBOOK, DOT P 5800.5): Dry chemical, CO₂, water spray or foam spray
SPECIAL FIRE-FIGHTING PROCEDURES: Wear self-contained breathing apparatus
UNUSUAL FIRE AND EXPLOSION HAZARDS: None
HAZARDOUS COMBUSTION PRODUCTS: Oxides of Carbon
CONDITIONS OF FLAMMABILITY: High heat and sources of ignition
AUTO IGNITION TEMP. (°C): N.A.V.
EXPLOSION DATA: - SENSITIVITY TO MECHANICAL IMPACT: N.A.V.
SENSITIVITY TO STATIC DISCHARGE: N.A.V.

5. REACTIVITY HAZARD DATA

STABILITY (CONDITIONS TO AVOID): Stable
INCOMPATIBILITY (MATERIALS TO AVOID): Strong oxidizing agents
HAZARDOUS DECOMPOSITION PRODUCTS: Thermal decomposition may release Oxides of Carbon
HAZARDOUS POLYMERIZATION (CONDITIONS TO AVOID): Will not occur

6. HEALTH HAZARD DATA

PRIMARY ROUTES OF ENTRY: INHALATION_____ SKIN _X_ INGESTION_____

WARNING! MAY CAUSE EYE, SKIN AND RESPIRATORY IRRITATION. MAY BE HARMFUL IF SWALLOWED.

SIGNS & SYMPTOMS OF EXPOSURE: (ACUTE & CHRONIC)

EYES: Liquid and vapors may cause irritation.
SKIN: Prolonged contact may cause defatting of skin, which can lead to irritation, dermatitis, folliculitis, oil acne, melanosis, and rarely warts.
INGESTION: May cause gastrointestinal disturbances such as nausea, vomiting and diarrhea. Aspiration into lungs from vomiting will cause lung damage, which could be fatal.
6. HEALTH HAZARD DATA (cont’d)

INHALATION: Low hazard unless heated or misted. May cause irritation of throat and nose, dizziness and lung edema with chest tightness.

IRRITANCY OF PRODUCT: N.AV.
SENSITIZATION TO PRODUCT: N.AV.
CARCINOGENICITY, REPRODUCTIVE TOXICITY, TERATOGENICITY, MUTAGENICITY: N.AV.
TOXICOLOGICALLY SYNERGISTIC PRODUCTS: N.AV.

EMERGENCY AND FIRST AID PROCEDURES:

EYES: Remove contact lenses, if worn. Flush with water for at least 15 min. Call a physician.
SKIN: Flush with water. Remove contaminated clothing.
INHALATION: Remove to fresh air. If breathing has stopped, give artificial respiration. If breathing is difficult, give oxygen, if available. Get medical help.
INGESTION: If conscious, give large amounts of water. Do NOT induce vomiting, get medical help. If vomiting occurs, keep head below hips to prevent aspiration into lungs.

7. SPILL AND LEAK PROCEDURES

LARGE SPILLS: Contain and transfer to drums for use or disposal.
SMALL SPILLS: Absorb onto rags. Clean rags in cleaning unit.
WASTE DISPOSAL METHOD: Dispose of according to all applicable regulations. Incineration in permitted facilities or disposal in permitted landfill are preferred disposal methods.
HANDLING PROCEDURES & EQUIPMENT: Avoid direct contact.

STORAGE REQUIREMENTS: Keep away from heat and sources of ignition.

8. SPECIAL PROTECTION, PREVENTATIVE MEASURES/IN CASE OF LARGE SPILL OR FIRE

ENGINEERING CONTROLS/VENTILATION: Local exhaust system sufficient to maintain exposure level below TWA values.

RESPIRATOR: THE FOLLOWING RESPIRATORS ARE RECOMMENDED & RANKED IN ORDER FROM MIN. TO MAX. PROTECTION:
CHEMICAL CARTRIDGE RESPIRATOR WITH AN ORGANIC VAPOR CARTRIDGE WITH A FULL FACE PIECE.
GAS MASK WITH ORGANIC VAPOR CANISTER WITH A FULL FACE PIECE.
TYPE ‘C’ SUPPLIED-AIR RESPIRATOR WITH FULL FACE PIECE.
SELF-CONTAINED BREATHING APPARATUS WITH A FULL FACE PIECE OPERATED IN PRESSURE-DEMAND.

PERSONAL PROTECTIVE EQUIPMENT: Wear goggles when handling product, petroleum solvent resistant gloves.

9. TRANSPORTATION DATA

DOT HAZARD CLASSIFICATION 49 CFR172.101: None, not regulated
DOT LABEL: None
U.N./IATA: Not regulated

10. STATE RIGHT TO KNOW INFORMATION

WHITE MINERAL OIL CAS#8042-47-5 , SORBITAN MONOLEATE- C.A.S. #1338-43-8, SODIUM DIOCTYL SULFOSUCCINATE-C.A.S # 577-11-7

ABBREVIATIONS:
OSHA = Occupational Safety & Health Administration
C.A.S. = Chemical Abstract Service Number
TWA = Time Weighted Average for 8 Hours
LD 50 = Lethal Dose for 50% Test Animals
Mg/M³ = Milligrams per Cubic Meter of Air
PEL = Permissible Exposure Level
NFPA = National Fire Protection Agency
STEL = Short Term Exposure Level (15 min)
(C) = Ceiling, Limit for Exposure
DO T = Department of Transportation
ppm = part(s) per million
SKN = Skin Effects
DOT = Department of Transportation
IATA = International Air Transport Association
WHMIS = Workplace Hazardous Materials Information System - Canada
N.AV. = Not Available
ACGIH = American Conference of Government Industrial Hygienists
N.A.P. = Not Applicable
R.Q. = Amount of spill that must be reported to EPA
SARA Title III, Sec. 313 = Superfund Amendments and Reauthorization Act
U.N. = United Nations

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