

SAFETY DATA SHEET

Date Prepared : 05/06/2015

SDS No : Singer Equipment Co., Inc._Heavy Duty Cleaner Degreaser

Heavy Duty Cleaner Degreaser

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Heavy Duty Cleaner Degreaser
GENERAL USE: Heavy duty degreasing of oil-based soils.
PRODUCT DESCRIPTION: Extra Duty Cleaner Degreaser
CHEMICAL FAMILY: Solvent/detergent blend

DISTRIBUTOR

Singer Equipment Co., Inc.
150 South Twin Valley Road
Elverson, PA 19520
Customer Service: 1-800-422-81

24 HR. EMERGENCY TELEPHONE NUMBERS

POISON CONTROL CENTER (Medical): 800-222-1222

2. HAZARDS IDENTIFICATION

GHS CLASSIFICATIONS

Health:

Eye Irritation, Category 2A
Skin Irritation, Category 2

GHS LABEL



Exclamation
mark

SIGNAL WORD: WARNING

HAZARD STATEMENTS

H319: Causes serious eye irritation.
H315: Causes skin irritation.
H303: May be harmful if swallowed.

PRECAUTIONARY STATEMENT(S)

Prevention:

P262: Do not get in eyes, on skin, or on clothing.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P264: Wash hands thoroughly after handling.
P233: Keep container tightly closed.
P102: Keep out of reach of children.
P273: Avoid release to the environment.

Response:

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313: If eye irritation persists: Get medical advice/attention.
P302+P352: IF ON SKIN: Wash with plenty of soap and water
P332+P313: If skin irritation occurs: Get medical advice/attention.
P362: Take off contaminated clothing.
P301+P312: IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
P304+P312: IF INHALED: Call a POISON CENTER or doctor/physician if you feel unwell.

Storage:

P404: Store in a closed container.

Disposal:

P501: Dispose of contents/container according to all local, state and Federal regulations.

EMERGENCY OVERVIEW

PHYSICAL APPEARANCE: Purple liquid.

IMMEDIATE CONCERNS: Eye & Skin irritant

POTENTIAL HEALTH EFFECTS

EYES: Irritating, and may injure eye tissue if not removed promptly.

SKIN: Contact may cause moderate to severe irritation.

SKIN ABSORPTION: None Expected.

INGESTION: Although of moderate to low toxicity, ingestion can cause gastrointestinal irritation, nausea, vomiting, diarrhea, and possible death.

INHALATION: Mist is irritating to nose, throat and lungs.

REPRODUCTIVE TOXICITY

TERATOGENIC EFFECTS: None known.

CARCINOGENICITY: Not Established

MUTAGENICITY: None known.

MEDICAL CONDITIONS AGGRAVATED: Previous skin conditions such as dermatitis may be aggravated.

ROUTES OF ENTRY: Eye, skin, ingestion, Inhalation.

CANCER STATEMENT: None

WARNING CAUTION LABELS: Irritant

PHYSICAL HAZARDS: None Expected.

3. COMPOSITION / INFORMATION ON INGREDIENTS

| Chemical Name | Wt.% | CAS |
|-------------------------------------|---------|------------|
| Ethylene glycol butyl ether | 5 - 10 | 111-76-2 |
| Nonylphenol Ethoxylate | 0 - 5 | 9016-45-9 |
| Fatty acids, tall-oil, sodium salts | 0 - 5 | 61790-45-2 |
| Sodium Dodecylbenzene Sulfonate | 0 - 5 | 25155-30-0 |
| Sodium Silicate | 0 - 5 | 6834-92-0 |
| Dye | < 0.1 | N/A |
| Fragrance | < 0.5 | N/A |
| Water | 80 - 85 | 7732-18-5 |

4. FIRST AID MEASURES

EYES: Immediately flush eyes with water for at least 15 minutes, while holding eyelids open. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Seek medical attention immediately.

SKIN: Wash with soap and water. Get medical attention if irritation develops or persists.

INGESTION: Get immediate medical attention. Do not induce vomiting unless instructed to do so by poison center or physician.

INHALATION: Remove victim to fresh air and monitor. Seek medical advise if irritation persists.

SIGNS AND SYMPTOMS OF OVEREXPOSURE

EYES: Burning sensation with tearing, redness.

SKIN: Prolonged contact will cause irritation marked by redness, burning sensation.

SKIN ABSORPTION: Not Established

INGESTION: Irritation of mouth, throat, along with stomach upset, vomiting.

INHALATION: Irritation of nose, throat and lungs with coughing, sneezing, possible difficulty breathing.

ACUTE TOXICITY: Not Established

5. FIRE FIGHTING MEASURES

FLAMMABLE CLASS: NA = Not Applicable

GENERAL HAZARD: NA = Not Applicable

EXTINGUISHING MEDIA: Not required. Water based material.

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL: Avoid walking in product. Wipe up or otherwise flush small spills to sanitary sewer.

LARGE SPILL: Avoid walking in material. Prevent product from entering into stream, soil, storm sewer or other bodies of water.

ENVIRONMENTAL PRECAUTIONS

WATER SPILL: Avoid discharges into open waterways.

LAND SPILL: Avoid discharge to soil.

GENERAL PROCEDURES: Isolate spill or leak area immediately. Keep unauthorized personnel away. Do not touch or walk through spilled material. Prevent entry into waterways, sewers, or confined areas. Absorb with dry earth, sand or other non-combustible material and transfer to containers.

SPECIAL PROTECTIVE EQUIPMENT: Eye protection, rubber gloves, rubber boots to protect feet.

7. HANDLING AND STORAGE

GENERAL PROCEDURES: Close container after use.

HANDLING: Wear eye protection, rubber gloves when handling concentrate.

STORAGE: Store in area inaccessible to children.

STORAGE TEMPERATURE: Store at ambient temperatures.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE GUIDELINES

| OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200) | | | | | | | |
|---|------|-----------------|-------------------|-----------|-------------------|--------------|-------------------|
| | | EXPOSURE LIMITS | | | | | |
| | | OSHA PEL | | ACGIH TLV | | Supplier OEL | |
| Chemical Name | | ppm | mg/m ³ | ppm | mg/m ³ | ppm | mg/m ³ |
| Ethylene glycol butyl ether | TWA | 50 | 240 | 20 | 97 | NL | NL |
| | STEL | | | | | NL | NL |

ENGINEERING CONTROLS: Provide mechanical ventilation when used in confined areas, or areas with poor ventilation.

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: Chemical splash goggles and full face-shield.

SKIN: Rubber or other chemical resistant gloves. Rubber boots of used on floors.

PROTECTIVE CLOTHING: Chemical resistant outerwear (tyvek) if contact with spray or mist is anticipated.

WORK HYGIENIC PRACTICES: Wash with soap and water after handling. Do not eat, drink or smoke while using product.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Liquid

ODOR: Sassafras

ODOR THRESHOLD: Not Established
COLOR: Purple
pH: 12.0 to 13.0
PERCENT VOLATILE: 85+
FLASH POINT AND METHOD: None
FLAMMABLE LIMITS: N/A to N/A
AUTOIGNITION TEMPERATURE: NA = Not Applicable
VAPOR PRESSURE: ≤ 20 mm Hg at (68°F)
VAPOR DENSITY: ≤ 1 Air = 1
BOILING POINT: 212° F; 100° C
FREEZING POINT: 32° F; 0° C
THERMAL DECOMPOSITION: Not Available
SOLUBILITY IN WATER: Complete
EVAPORATION RATE: (Water =1) 1.0
DENSITY: 8.34 at (68°F)
SPECIFIC GRAVITY: 1 grams/ml.
VISCOSITY: Water thin.
(VOC): 6.690 % by weight

10. STABILITY AND REACTIVITY

REACTIVITY: Stable
HAZARDOUS POLYMERIZATION: No
CONDITIONS TO AVOID: Not Established
POSSIBILITY OF HAZARDOUS REACTIONS: None Expected.
HAZARDOUS DECOMPOSITION PRODUCTS: None known.
INCOMPATIBLE MATERIALS: Strong acids, oxidizers.

11. TOXICOLOGICAL INFORMATION

ACUTE

| Chemical Name | ORAL LD ₅₀ (rat) | DERMAL LD ₅₀ (rabbit) | INHALATION LC ₅₀ (rat) |
|---------------------------------|--------------------------------|-------------------------------------|--------------------------------------|
| Ethylene glycol butyl ether | 1300 mg/kg (rat) | > 2000 mg/kg (rabbit) | > 3.1 mg/l |
| Nonylphenol Ethoxylate | 16000 mg/kg (rat) | 4490 mg/kg (rabbit) | |
| Sodium Dodecylbenzene Sulfonate | 438 mg/kg (rat) | | |
| Sodium Silicate | 1500 to 3200 mg/kg (rat) | | |

EYES: Not Established
DERMAL LD₅₀: Not Established
SKIN ABSORPTION: None Expected.
ORAL LD₅₀: Not Established
INHALATION LC₅₀: Not Established
EYE EFFECTS: Moderate to severe eye irritant.
SKIN EFFECTS: Moderate skin irritant.

CARCINOGENICITY

| Chemical Name | NTP Status | IARC Status | OSHA Status |
|-----------------------------|---------------------|--|---------------------|
| Ethylene glycol butyl ether | No listed substance | Group 3 - Not classifiable as to its carcinogenicity to Humans | No listed substance |

IRRITATION: Irritant**SENSITIZATION:** No known significant effects or critical hazards.**MUTAGENICITY:** No known significant effects or critical hazards.**12. ECOLOGICAL INFORMATION****ENVIRONMENTAL DATA:** Not Established**ECOTOXICOLOGICAL INFORMATION:** Not Established**AQUATIC TOXICITY (ACUTE):** Not Established**13. DISPOSAL CONSIDERATIONS****DISPOSAL METHOD:** Small amounts (less than 5 gallons) may be disposed of in sanitary sewer. Consult local authorities for additional disposal information.**FOR LARGE SPILLS:** Consult with local and state authorities for large volume disposal.**PRODUCT DISPOSAL:** See above.**EMPTY CONTAINER:** Rinse container with clear water. Offer container for recycling, or dispose of in trash.**RCRA/EPA WASTE INFORMATION:** NA = Not Applicable**14. TRANSPORT INFORMATION****DOT (DEPARTMENT OF TRANSPORTATION)****PROPER SHIPPING NAME:** Cleaning Compound, not regulated.**ROAD AND RAIL (ADR/RID)****PROPER SHIPPING NAME:** Cleaning Compound, not regulated.**AIR (ICAO/IATA)****SHIPPING NAME:** Cleaning Compound, not regulated.**VESSEL (IMO/IMDG)****SHIPPING NAME:** Cleaning Compound, not regulated.**15. REGULATORY INFORMATION****UNITED STATES****SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)****311/312 HAZARD CATEGORIES:** Health - Acute**FIRE:** No **PRESSURE GENERATING:** No **REACTIVITY:** No **ACUTE:** Yes **CHRONIC:** No**313 REPORTABLE INGREDIENTS:** 2-butoxyethanol 111-76-2 (Category: N230 Certain Glycol Ethers)**EPCRA SECTION 313 SUPPLIER NOTIFICATION**

| Chemical Name | Wt.% | CAS |
|-----------------------------|--------|----------|
| Ethylene glycol butyl ether | 5 - 10 | 111-76-2 |

302/304 EMERGENCY PLANNING**EMERGENCY PLAN:** NA = Not Applicable

CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)

CERCLA REGULATORY: NA = Not Applicable

| Chemical Name | Wt.% | CERCLA RQ |
|---------------------------------|-------|-----------|
| Sodium Dodecylbenzene Sulfonate | 0 - 5 | 1000 lbs. |

TSCA (TOXIC SUBSTANCE CONTROL ACT)

TSCA REGULATORY: All ingredients are listed on the TSCA Chemical Inventory.

STATES WITH SPECIAL REQUIREMENTS

| Chemical Name | Requirements |
|---------------------------------|---|
| Ethylene glycol butyl ether | Massachusetts Right to Know Substance Pennsylvania Right to Know Substance New Jersey Right To Know Substance |
| Nonylphenol Ethoxylate | Massachusetts Right to Know Substance New Jersey Right To Know Substance Pennsylvania Right to Know Substance |
| Sodium Dodecylbenzene Sulfonate | New Jersey Right To Know Substance Pennsylvania Right to Know Substance New York Right to Know Substance |
| Sodium Silicate | Pennsylvania Right to Know Substance New Jersey Right To Know Substance |

CALIFORNIA PROPOSITION 65: None

CARCINOGEN:

The International Agency for Research on Cancer (IARC) has concluded that there is inadequate evidence for carcinogenicity of 2-butoxyethanol in humans, but limited evidence in experimental animals (Group 3 - not classifiable as to its carcinogenicity to humans).

16. OTHER INFORMATION

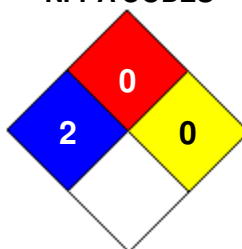
PREPARED BY: Regulatory Affairs Department

Date Prepared: 05/06/2015

HMIS RATING

| | | |
|----------------------------|---|----------|
| HEALTH | □ | 2 |
| FLAMMABILITY | □ | 0 |
| PHYSICAL HAZARD | □ | 0 |
| PERSONAL PROTECTION | □ | B |

NFPA CODES



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