

H.D. DEGREASER



**Safety Data Sheet**

**Issue Date:** 7-Jan-2015

**Revision Date:** 7-Jan-2015

**Version**

1

**Product Identifier Product Name**

**Other means of identification SDS #**

UN1418

**Recommended use of the chemical and restrictions on use**

**Recommended Use**

Cleaning Compound

**Details of the supplier of the safety data sheet Supplier Address**

SUNLINE LLC

615 Brookhaven Dr.

ORLANDO FL 32803

**Emergency Telephone Number Company Phone Number Emergency Telephone (24 hr)**

407-896-2129

407-415-8751

**Physical State**

Liquid

**Classification**

**Hazards Not Otherwise Classified (HNOC)**

None

**Signal Word Danger**

**Hazard Statements**

Causes severe skin burns and eye damage Causes serious eye Damage

Harmful if swallowed

Harmful to aquatic life with long lasting effects May be corrosive to metals

\_\_ \_\_ \_\_ \_\_ \_

**Page 1 / 7**

Skin corrosion/irritation

Category 1A

Serious eye damage/eye irritation

Category 1

Acute Toxicity, Oral

Category 4

Aquatic Toxicity, Chronic

Category 3

**2. HAZARDS IDENTIFICATION**

**1. IDENTIFICATION**

HD DEGREASER

**Revision Date:** 7-Jan-2015

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**Precautionary Statements - Prevention**

Wash face, hands and any exposed skin thoroughly after handling Do not eat, drink or smoke when using this product.

Do not breathe dust/fume/gas/mist/vapors/spray

Wear protective gloves/protective clothing/eye protection/face protection Avoid release to the environment

Keep only in original container

**Precautionary Statements - Response**

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Take off contaminated clothing and wash it before reuse

IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. Rinse Mouth. Do not induce vomiting.

IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. Immediately call a Poison Center or doctor/physician.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Absorb spillage to prevent material damage.

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**Precautionary Statements – Storage:**

Store Locked Up

Store in corrosive resistant container with a resistant inner liner.

**Other Hazards:**

Harmful to aquatic life with long lasting effects

\*\*If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.\*\*

**First Aid Measures**

**Eye Contact**

Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.

**Skin Contact**

Wash with soap and water. Take off contaminated clothing. Wash contaminated clothing before reuse. If skin irritation or rash occurs: Get medical advice/attention.

**Inhalation**

Remove to fresh air.

**Ingestion**

Clean mouth with water and drink afterwards plenty of water.

**Most important symptoms and effects**

**Symptoms**

Contact may cause irritation and redness.

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**Page 2 / 7**

**4. FIRST-AID MEASURES**

**Chemical Name**

**CAS No**

**Weight-%**

Nonylphenol polyethylene glycol ether

127087-87-0

15-20

Potassium Hydroxide

1310-58-3

10-15

2-Butoxyethanol

111-76-2

10-15

Tetrasodium EDTA

64-02-8

5-10

Sodium Tripolyphosphate

7758-54-9

1-5

Sodium Metasilicate

10213-79-3

1-5

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

HD DEGREASER

**Revision Date:** 7-Jan-2015

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**Indication of any immediate medical attention and special treatment needed**

**Notes to Physician**

Treat symptomatically.

**Suitable Extinguishing Media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Unsuitable Extinguishing Media** Not determined.

**Specific Hazards Arising from the Chemical**

Non-flammable solution.

**Protective equipment and precautions for firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

**Personal precautions, protective equipment and emergency procedures**

**Personal Precautions**

Use personal protective equipment as required.

**Methods and material for containment and cleaning up**

**Methods for Containment**

Prevent further leakage or spillage if safe to do so.

**Methods for Clean-Up**

Keep in suitable, closed containers for disposal.

**Precautions for safe handling**

**Advice on Safe Handling**

Use personal protection recommended in Section 8. Wash thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Avoid breathing vapors or mists.

**Conditions for safe storage, including any incompatibilities**

**Storage Conditions**

Store Locked Up

Store in corrosive resistant container with a resistant inner liner.

Keep containers tightly closed in a dry, cool and well-ventilated place.

**Incompatible Materials**

None known based on information supplied.

**Exposure Guidelines**

Exposure limits noted for ingredient(s)

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**Page 3 / 7**

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**7. HANDLING AND STORAGE**

**6. ACCIDENTAL RELEASE MEASURES**

**5. FIRE-FIGHTING MEASURES**

HD DEGREASER

**Revision Date:** 7-Jan-2015

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**Appropriate engineering controls**

**Engineering Controls**

Apply technical measures to comply with the occupational exposure limits.

**Individual protection measures, such as personal protective equipment**

**Eye/Face Protection**

Avoid contact with eyes.

**Skin and Body Protection**

Wear suitable protective clothing.

**Respiratory Protection**

Ensure adequate ventilation, especially in confined areas.

**General Hygiene Considerations** Handle in accordance with good industrial hygiene and safety practice.

**Information on basic physical and chemical properties**

**Physical State Appearance Color**

Liquid Clear Blue

**Odor**

**Odor Threshold**

Not determined Not determined

**Property pH**

**Melting Point/Freezing Point Boiling Point/Boiling Range Flash Point**

**Evaporation Rate Flammability (Solid, Gas) Upper Flammability Limits Lower Flammability Limit Vapor Pressure**

**Vapor Density**

**Specific Gravity Water Solubility**

**Solubility in other solvents Partition Coefficient**

**Auto-ignition Temperature Decomposition Temperature Kinematic Viscosity Dynamic Viscosity Explosive Properties Oxidizing Properties**

**Values**

> 11.5

Not determined

> 212° F

> 250 ° F

< 1

n/a-liquid

Not determined Not determined Not determined Not determined Not determined Complete

Not determined Not determined Not determined Not determined Not determined Water Thin

Not determined Not determined

**Remarks • Method**

**Reactivity**

Not reactive under normal conditions.

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**Page 4 / 7**

**10. STABILITY AND REACTIVITY**

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**Chemical Name**

**ACGIH TLV**

**OSHA PEL**

**NIOSH IDLH**

2-Butoxyethanol 111-76-2

TWA: 25 ppm

TWA: 50 ppm

-

Potassium Hydroxide 1310-58-3

2 mg/m3

2 mg/m3

-

Sodium Metasilicate 6834-92-0

2 mg/m3

2 mg/m3

-

Sodium Tripolyphosphate 7758-29-4

15 mg/m3

15 mg/m3

-

H-40 DEGREASER

**Revision Date:** 7-Jan-2015

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**Chemical Stability**

Stable under recommended storage conditions.

**Possibility of Hazardous Reactions**

None under normal processing.

**Conditions to Avoid**

Keep out of reach of children.

**Incompatible Materials**

None known based on information supplied.

**Hazardous Decomposition Products**

None known based on information supplied.

**Information on likely routes of exposure**

**Product Information**

**Eye Contact**

Avoid contact with eyes. Causes serious eye Damage

**Skin Contact**

Causes severe skin burns and eye damage

May cause an allergic skin reaction. Causes skin irritation. May be harmful in contact with skin.

**Inhalation**

Avoid breathing vapors or mists.

**Ingestion**

Do not taste or swallow. Harmful if swallowed

**Component Information**

**Information on physical, chemical and toxicological effects**

**Symptoms**

Please see section 4 of this SDS for symptoms.

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

**Carcinogenicity**

Not classifiable as a human carcinogen.

**Legend**

***IARC (International Agency for Research on Cancer)***

*Group 3 IARC components are "not classifiable as human carcinogens"*

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**Page 5 / 7**

**Chemical Name**

**ACGIH**

**IARC**

**NTP**

**OSHA**

2-Butoxyethanol 111-76-2

A3

Group 3

**Chemical Name**

**Oral LD50**

**Dermal LD50**

**Inhalation LC50**

Potassium Hydroxide: 1310-58-3

300 mg/kg (Rat)

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2-Butoxyethanol 111-76-2

= 470 mg/kg ( Rat )

= 2270 mg/kg ( Rat ) = 220 mg/kg ( Rabbit )

= 2.21 mg/L ( Rat ) 4 h = 450 ppm ( Rat ) 4 h

Tetrasodium EDTA 64-02-8

= 10 g/kg ( Rat )

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Nonylphenol polyethylene glycol ether 127087-87-0

960-6980 mg/kg (Rat)

2000-2991 mg/kg (Rabbit)

1.15 mg/L (Rat) Aerosol, 4 h

Sodium Tripolyphosphate: 7758-29-4

3900 mg/kg (Rat)

4640 mg/kg (Rabbit)

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Sodium Metasilicate 10213-79-3

847 mg/kg (Rat)

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**11. TOXICOLOGICAL INFORMATION**

HD DEGREASER

**Revision Date:** 7-Jan-2015

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**Numerical measures of toxicity**

Calculated ATE (Oral) of this mixture is >1400 mg/kg

**Ecotoxicity**

Harmful to aquatic life with long lasting effects

**Persistence/Degradability**

Not expected to be readily biodegradable.

**Bioaccumulation**

Not determined.

**Mobility**

**Other Adverse Effects**

Not determined

**Waste Treatment Methods**

**Disposal of Wastes**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

**Contaminated Packaging**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

**Note**

Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

**DOT**

UN1814, Potassium hydroxide solution, 8, II, RQ 1000 lbs

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**Page 6 / 7**

**14. TRANSPORT INFORMATION**

**13. DISPOSAL CONSIDERATIONS**

**Chemical Name**

**Partition Coefficient**

2-Butoxyethanol 111-76-2

0.81

**Chemical Name**

**Algae/aquatic plants**

**Fish**

**Toxicity to microorganisms**

**Crustacea**

Potassium Hydroxide : 1310-58-3

-

LC50: 100 mg/L

**-**

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2-Butoxyethanol 111-76-2

1490: 96 h Lepomis macrochirus mg/L LC50 static 2950: 96 h Lepomis macrochirus mg/L LC50

1698 - 1940: 24 h Daphnia

magna mg/L EC50 1000: 48 h Daphnia magna mg/L EC50

Tetrasodium EDTA 64-02-8

1.01: 72 h Desmodesmus subspicatus mg/L EC50

41: 96 h Lepomis macrochirus mg/L LC50 static 59.8: 96 h Pimephales promelas mg/L LC50 static

610: 24 h Daphnia magna mg/L EC50

Sodium Tripolyphosphate 7758-29-4

-

-

**-**

EC50: 276.6 mg/L; Daphnia’ 48h

Nonylphenol, branched, ethoxylated 127087-87-0

-

LC50: 3.8-6.2 mg/L; fathead minnow, 96h

IC50: >1000 mg/L,

Baacteria, 16h

LC50: 9.3-21.4 mg/L; Water flea, 48h

**12. ECOLOGICAL INFORMATION**

HD DEGREASER

**Revision Date:** 7-Jan-2015

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**International Inventories**

Not determined

**US Federal Regulations**

**Cercla:**

**SARA 313**

This product contains the following toxic chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 (40 CFR 372).

**US State Regulations**

**U.S. State Right-to-Know Regulations**

Not determined

**Issue Date: Revision Date: Revision Note:**

7-Jan-2015

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New format

**Disclaimer**

**The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.**

**End of Safety Data Sheet**

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**Page 7 / 7**

**16. OTHER INFORMATION**

**Chemical Name**

**New Jersey**

**Massachusetts**

**Pennsylvania**

Potassium Hydroxide

X

X

X

Nonylphenol, branched, ethoxylated

X

X

X

2-Butoxyethanol

X

X

X

Sodium Metasilicate

X

-

X

Sodium Tripolyphosphate

X

X

X

**Chemical Name**

**CAS No**

**Weight-%**

**SARA 313 - Threshold Values %**

2-Butoxyethanol

111-76-2

10-15

1.0

**Chemical Name**

**Hazardous Substances RQs**

**CERCLA/SARA RQ**

**Reportable Quantity (RQ)**

Sodium Tripolyphosphate 7758-29-4

5000 lbs

5000 lbs

**15. REGULATORY INFORMATION**