

SAFETY DATA SHEET

Diamond Products Division of Hawco Products Ltd

HD83 Super Degreaser

1. IDENTIFICATION OF THE SUBSTANCE OR PREPARATION AND OF THE COMPANY

Identification of Preparation: HD83 Super Degreaser.
Date of Safety Data Sheet: January 15, 2018
Use of Preparation: Degreaser.
Company Identification: Diamond Products Division of Hawco Products Ltd.
61 Shaver Street, PO Box 1507
Brantford, Ontario
N3T 5V6

Company Emergency Telephone Number Emergency Phone: 519-759-2443

2. HAZARD IDENTIFICATION

Emergency Overview:
OSHA / WHMIS 2015 Hazards
Classification of substance or mixture
GHS-US/Canadian classification:
GHS Hazards
Acute Toxicity (Oral) Category 4 H302
Skin Corrosive Category 1A H314
Eye Damage Category 1 H318

Label Elements

GHS-US/ Canada Labeling

Hazard Pictograms (GHS):



Signal Word (GHS): Danger

Hazard Statements (GHS):

H302: Harmful if swallowed
H314: Causes severe skin burns and eye damage
H318: Causes serious eye damage

Precautionary Statements (GHS):

P102: Keep out of reach of children.
P260: Do not breathe mist, spray, and vapours.
P264: Wash hands thoroughly after handling.
P270: Do not eat, drink or smoke when using this product.
P280: Wear face protection, protective clothing, protective gloves, and eye protection.

Response Statements (GHS):

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P301+P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P310: Immediately call a POISON CENTRE or doctor/physician

P303+P361+P353: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention.

P363: Wash contaminated clothing before re-use.

P501: Dispose of contents / container in accordance with local regulations.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Description: Chemical Blend

| Ingredient | CAS# | % by Wt | Classification |
|---|------------|---------|---|
| Ethoxylated C 9-11 Alcohols | 68439-46-3 | 1-5 | Acute Toxicity Category 4 (Oral) - H302 Serious Eye Damage/Eye Irritation Category 1 - H318 |
| Sodium Silicate Pentahydrate | 6834-92-0 | 1-5 | Skin Corrosion/Irritation Category 1A - H314 Serious Eye Damage/Eye Irritation Category 1 - H318 |
| Ethylene Glycol Monobutyl Ether | 111-76-2 | 5-10 | Flammable Liquids Category 4 - H227 Skin Corrosion/Irritation Category 2 - H315 |
| Sodium Tripoly Phosphate | 7758-29-4 | 1-5 | Skin Corrosion/Irritation Category 2 - H315 Serious Eye Damage/Irritation Category 1 - H318 |
| Potassium Salt of Dodecylbenzene Sulphonic Acid | 27177-77-1 | 5-10 | Acute Toxicity Category 4 (Oral) - H302 Skin Corrosion/Irritation Category 2 - H315 Serious Eye Damage/Irritation Category 2A - H319 |
| Potassium Hydroxide | 1310-58-3 | 1-5 | Corrosive to Metals Category 1 - H290 Acute Toxicity Category 4 (Oral) - H302 Skin Corrosion/Irritation Category 1A - H314 Serious Eye Damage/Eye Irritation Category 1 - H318 |

4. FIRST AID MEASURES

| | |
|----------------------|---|
| Inhalation: | Remove to fresh air. If symptoms persist consult physician. |
| Eye Contact: | Remove contacts. Flush with water for at least 20 minutes, occasionally lifting the upper and lower eyelids. Repeat if required. If irritation persists, get medical attention. |
| Skin Contact: | Thoroughly wash exposed skin with soap and water. Remove any contaminated clothing and wash before reuse. |
| Ingestion: | Wash out mouth with water. Drink plenty of water. Do not induce vomiting unless directed by medical personal. Never give anything to an unconscious person. Get medical aid. |

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Notes to Physician: Treatment based on judgment of attending physician.

5. FIRE FIGHTING MEASURES

Suitable extinguishing media: Flood with water for extinguishing agent. CO2, dry chemical, alcohol resistant foam

Unsuitable extinguishing media: None known.

Special exposure hazards Thermal decomposition releases irritating gases.

Special safety equipment: Self-contained positive pressure breathing apparatus and protective clothing.

Fire and explosion Not flammable. Not an explosive hazard.

Further information Keep containers and surrounding cool with water spray.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

General Measures: Do not get in eyes, on skin, or on clothing. Do not breathe vapour or mist.

For Non-Emergency Personnel

Protective Equipment: Use appropriate personal protection equipment (PPE).

Emergency Procedures: Evacuate unnecessary personnel.

For Emergency Personnel

Protective Equipment: Equip cleanup crew with proper protection.

Emergency Procedures: Ventilate area.

Environmental Precautions

Prevent entry to sewers and public waters.

Methods and Material for Containment and Cleaning Up

For Containment: Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

Methods for Cleaning Up: Clear up spills immediately with absorbent and dispose of waste safely.

Reference to Other Sections: See Heading 8. Exposure controls and personal protection.

7. HANDLING AND STORAGE

Precautions for safe handling:

Ensure good ventilation/exhaustion at the workplace.

Prevent formation of aerosols.

Avoid splashes or spray in enclosed areas.

Information about fire and explosion protection:

Keep respiratory protective device available.

No special measures required.

Conditions for safe storage, including any incompatibilities:

Storage: Acids, oxidizers, reducing agents.

Requirements to be met by storerooms and receptacles:

Store in a cool location.

Avoid storage near extreme heat or cold.

Information about storage in one common storage facility:

Do not store together with strong acids.

Store away from oxidizing agents.

Store away from foodstuffs.

Further information about storage conditions:

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Store in cool, dry conditions in well sealed receptacles.
 Store receptacle in a well-ventilated area.
 Keep container tightly sealed.

Specific end use(s) No further relevant information available.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

| | |
|--------------------------------|---|
| Respiratory protection: | Use local exhaust or dilution ventilation. |
| Hand protection: | Chemical resistant gloves. |
| Eye protection: | Safety goggles or full-face shield. |
| Skin protection: | Use body-covering impervious clothing. |
| Working hygiene: | Take usual precautions when handling. Workers should wash hands before eating, drinking or smoking. |
| Exposure Guidelines: | No ingredients with exposure limits |

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical and Chemical Properties

| <u>Physical State</u> | Liquid | <u>Odour</u> | Springtime |
|-----------------------------------|------------------------------|------------------------|--------------------|
| <u>Appearance</u> | Clear | <u>Odour Threshold</u> | No data available. |
| <u>Colour</u> | Pink. | <u>Remarks/Method</u> | |
| <u>Property</u> | <u>Values</u> | | |
| pH | 13.0-13.5 | None known | |
| Melting/Freezing Point | No data available | None known | |
| Boiling Point/Range | 100 C | None known | |
| Flash Point | Not applicable. | None known | |
| Evaporation Rate | Similar | None known | |
| Flammability (solid, gas) | Not flammable | None known | |
| Flammability Limit in Air: | | | |
| Upper Limit | No data available | None known | |
| Lower Limit | No data available | None known | |
| Vapour Pressure | No data available | None known | |
| Vapour density | No data available | None known | |
| Specific Density | 1.00 -1.02 g/cm ³ | | |
| Water Solubility | Soluble in water. | None known | |
| Solubility Other Solvents | No data available | None known | |
| Partition Coefficient: | | | |
| n-octanol/water | No data available | None known | |
| Autoignition temperature | No data available | None known | |
| Decomposition | No data available | None known | |
| Temperature | | | |
| Kinematic Viscosity | No data available | None known | |
| Dynamic Viscosity | No data available | None known | |
| Explosive Properties | No data available | None known | |
| Oxidizing Properties | No data available | None known | |

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Other Properties:

| | |
|----------------------------|-------------------|
| Softening Point | No data available |
| VOC Content % | No data available |
| Particle Size | No data available |
| Particle Size Distribution | No data available |

10. STABILITY AND REACTIVITY

| | |
|--|---|
| Reactivity | Stable at normal ambient temperature and pressure. |
| Chemical stability | Stable under recommended handling and storage conditions (see section 7). |
| Thermal decomposition/conditions to avoid: | No decomposition if used and stored according to specifications. |
| Possibility of hazardous reactions | Hazardous polymerization will not occur. |
| Conditions to avoid | Extremely high or low temperatures. |
| Hazardous decomposition products | Carbon oxides (CO, CO ₂). Sodium oxides. |
| Materials to avoid | Reducing agents, oxidizing agent. Strong acids. |
| Hazardous polymerization | Will not occur |

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

Acute toxicity: Harmful if swallowed.

LD/LC50 values relevant for classification:

Not calculated

On the skin: Causes severe skin irritation.

On the eye: Causes serious eye damage.

Respiratory or Skin Sensitization: No ingredients classified as sensitizer.

Additional toxicological information:

Carcinogenicity:

Chemical Name None

12. ECOLOGICAL INFORMATION

| | |
|--------------------------------|--|
| Toxicity: | Not classified |
| Persistence and Degradability: | Not available |
| Bioaccumulative Potential: | Not available |
| Mobility in Soil: | Not available. |
| Other Adverse Effects | |
| Other Information: | All of the organic components of this product are readily biodegradable. |

13. DISPOSAL

Waste Disposal Recommendations: Dispose of waste material in accordance with all local, regional, national, and international regulations.

Ecology – Waste Materials: Avoid release to the environment.

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14. TRANSPORTATION INFORMATION

Canadian T.D.G. (Road & Rail): Regulated Material (quantity under 1 litres can be shipped Limited Quantity)

Proper Shipping Name: Corrosive Liquid, N.O.S.

Contains: Disodium Trioxsilicate, Potassium Hydroxide

Hazard Class: 8

ID Number: UN 1760

Packing Group: II



US Department of Transportation (DOT): Regulated Material:

Proper Shipping Name: Corrosive Liquid, N.O.S.

Contains: Disodium Trioxsilicate, Potassium Hydroxide

Hazard Class: 8

ID Number: UN 1760

Packing Group: II



Water Transportation (IMDG): Regulated Material

Proper Shipping Name: Corrosive Liquid, N.O.S.

Contains: Disodium Trioxsilicate, Potassium Hydroxide

Hazard Class: 8

ID Number: UN 1760

Packing Group: II



Air Transportation (IATA): Regulated Material

Proper Shipping Name: Corrosive Liquid, N.O.S.

Contains: Disodium Trioxsilicate, Potassium Hydroxide

Hazard Class: 8

ID Number: UN 1760

Packing Group: II

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15. REGULATORY INFORMATION

Occupational Health & Safety Regulations:

WHMIS 1988 Classification: Class D - Division 2B, Class E



OSHA & WHMIS: MSDS prepared pursuant to the Hazard Communication Standard (CFR29 1910.1200) and Canadian WHMIS regulations (Controlled Products Regulations under the Hazardous Products Act).

International Inventories

| | |
|---------------|----------|
| TSCA | Complies |
| DSL/NDSL | Complies |
| EINECS/ELINCS | Complies |
| ENCS | Complies |
| IECSC | Complies |
| KECL | - |
| PICCS | - |
| AICS | Complies |

Legend:

TSCA - All components of this product are listed or are exempt or excluded from listing on the United States Toxic Substances Control Act Section 8(b) Inventory.

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances **ENCS** - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

U.S. State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals.

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HMIS III Rating

Health: 3 Hazard

Flammability: 0 Minimal Hazard

Physical: 0 Minimal Hazard

Personal Protection: C

SDS US (GHS HazCom 2012 and WHMIS 2015)

16. OTHER INFORMATION

Prepared By: Technical Department

Issuing Date: January 15, 2018

Disclaimer:

The manufacturer warrants that this product conforms to its standard specification when used according to direction. To the best of our knowledge the information contained herein is accurate. However, we do not assume accuracy or completeness of the information contained herein.

Final determination of the suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

End of Safety Data Sheet