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## Grease Beast – Heavy Duty Degreaser

Version Number: 2

Preparation date: 2015-07-16

### 1. IDENTIFICATION

**Product name:** Grease Beast - Degreaser  
**Product Code:** GF-173  
**SDS #:** SDS92039  
**Recommended use:**

- Industrial/Institutional
- Kitchen and All Purpose Degreaser
- This product is intended to be diluted prior to use

Uses other than those identified are not recommended

**Uses advised against:**

**Manufacturer, importer, supplier:**  
Helix Industries  
PO Box 4547  
Highland Park, NJ 08904  
Phone: 732 826-7000  
Website Address: www.helixindustries.com

**Emergency telephone number:** 732 826-7000

### 2. HAZARDS IDENTIFICATION

#### Classification for the undiluted product

Acute oral toxicity	Category 4
Acute dermal toxicity	Category 4
Acute inhalation toxicity - dust and mist	Category 4
Skin corrosion/irritation	Category 1B
Serious eye damage/eye irritation	Category 1
Specific target organ toxicity (single exposure)	Category 3



**Signal Word:**

**Danger**

#### Precautionary Statements

**HARMFUL IF SWALLOWED, IN CONTACT WITH SKIN OR IF INHALED. CAUSES SEVERE SKIN BURNS AND SERIOUS EYE DAMAGE. MAY CAUSE RESPIRATORY IRRITATION.**

Causes burns/ serious damage to mouth, throat and stomach. Avoid contact with eyes, skin and clothing. Do not breathe spray. Wash affected areas thoroughly after handling. Use only in a well-ventilated area. Wear chemical-splash goggles, chemical-resistant gloves and protective footwear. IF SWALLOWED: Rinse mouth. DO NOT induce vomiting unless directed to do so by medical personnel. Drink a cupful of milk or water. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water for at least 15 minutes. IF INHALED: Remove person to fresh air and keep comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing for at least 15 minutes. Immediately call a Poison Center (1-800-851-7145) or physician. Wash contaminated clothing before reuse. Store in a well-ventilated place. Keep container tightly closed. Dispose of in accordance with all federal, state and local applicable regulations.

**Health hazards not otherwise classified (HHNOC)** - Not applicable  
**Physical hazards not otherwise classified (PHNOC)** - Not applicable

**Classification for the diluted product @ 1:13**  
 Serious eye damage/eye irritation Category 2A

**Dilution Signal word:** Warning

**Precautionary Statements**

**CAUSES SERIOUS EYE IRRITATION.**

Avoid contact with eyes, skin and clothing. Wash affected areas thoroughly after handling. May cause irritation to mouth, throat and stomach. Wear chemical-splash goggles and chemical-resistant gloves. IF SWALLOWED: Rinse mouth. Drink a cupful of milk or water. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing for at least 15 minutes. If eye irritation persists: Get medical advice or attention. Dispose of in accordance with all federal, state and local applicable regulations. SUPPLEMENTAL INFORMATION: May be mildly irritating to skin. In case of contact, immediately flush with plenty of water. If irritation occurs and persists, get medical attention.

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

**Classified Ingredients**

Ingredient(s)	CAS #	Weight %
Monoethanolamine	141-43-5	10 - 30%
Benzyl alcohol	100-51-6	10 - 30%
Alcohol ethoxylates	68439-46-3	3% - < 5%
2-Butoxyethanol	111-76-2	1% - < 5%

\*Exact percentages are being withheld as trade secret information

**4. FIRST AID MEASURES**

**Undiluted Product:**

**Eyes:** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing for at least 15 minutes.

**Skin:** IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water for at least 15 minutes.

**Inhalation:** IF INHALED: Remove person to fresh air and keep comfortable for breathing.

**Ingestion:** IF SWALLOWED: Rinse mouth. DO NOT induce vomiting unless directed to do so by medical personnel. Drink a cupful of milk or water.

**Most Important Symptoms/Effects:** No information available.

**Immediate medical attention and special treatment needed** Not applicable.

**Aggravated Medical Conditions:** Individuals with chronic respiratory disorders such as asthma, chronic bronchitis, emphysema, etc., may be more susceptible to irritating effects.

**Diluted Product:**

**Eyes:** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing for at least 15 minutes If eye irritation persists: Get medical advice/attention

**Skin:** In case of contact, immediately flush with plenty of water. If irritation occurs and persists, get medical attention.

**Inhalation:** No specific first aid measures are required.

**Ingestion:** IF SWALLOWED: Rinse mouth. Drink a cupful of milk or water.

## 5. FIRE-FIGHTING MEASURES

**Specific methods:** No special methods required.  
**Suitable extinguishing media:** The product is not flammable. Extinguish fire using agent suitable for surrounding fire.  
**Specific hazards:** Not applicable.

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

**Extinguishing media which must not be used for safety reasons:** No information available.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions:** Put on appropriate personal protective equipment (see Section 8.).  
**Environmental precautions and clean-up methods:** Clean-up methods - large spillage. Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container. Use a water rinse for final clean-up.

## 7. HANDLING AND STORAGE

**Handling:** Avoid contact with skin, eyes and clothing. Do not taste or swallow. Avoid breathing vapors or mists. Use only with adequate ventilation. Remove and wash contaminated clothing and footwear before re-use. Wash thoroughly after handling. Product residue may remain on/in empty containers. All precautions for handling the product must be used in handling the empty container and residue. FOR COMMERCIAL AND INDUSTRIAL USE ONLY.

**Storage:**

Protect from freezing. Keep tightly closed in a dry, cool and well-ventilated place. KEEP OUT OF REACH OF CHILDREN.

**Aerosol Level (if applicable):** Not applicable

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Exposure Guidelines:**

Ingredient(s)	CAS #	ACGIH	OSHA
Monoethanolamine	141-43-5	6 ppm (STEL) 3 ppm (TWA)	3 ppm (TWA) 6 mg/m <sup>3</sup> (TWA)
Benzyl alcohol	100-51-6	-	-
Alcohol ethoxylates	68439-46-3	-	-
2-Butoxyethanol	111-76-2	-	-

**Undiluted Product:**

**Engineering measures to reduce exposure:**

Use only in well-ventilated areas. Respiratory protection is not required if good ventilation is maintained. In case of insufficient ventilation wear suitable respiratory equipment.

**Personal Protective Equipment**

**Eye protection:** Chemical-splash goggles.  
**Hand protection:** Chemical-resistant gloves.  
**Skin and body protection:** Protective footwear. If major exposure is possible, wear suitable protective clothing and footwear.  
**Respiratory protection:** In case of insufficient ventilation wear suitable respiratory equipment. A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.  
**Hygiene measures:** Handle in accordance with good industrial hygiene and safety practice.

**Diluted Product:**

**Personal Protective Equipment**

**Eye protection:** Chemical-splash goggles.  
**Hand protection:** Chemical-resistant gloves.  
**Skin and body protection:** No special requirements under normal use conditions.  
**Respiratory protection:** No special requirements under normal use conditions.  
**Hygiene measures:** Handle in accordance with good industrial hygiene and safety practice.

## 9. PHYSICAL AND CHEMICAL PROPERTIES:

<b>Physical State:</b> Liquid	<b>Color:</b> Clear Blue/purple Liquid
<b>Evaporation Rate:</b> No information available	<b>Odor:</b> Typical Chemical Scent
<b>Odor threshold:</b> No information available.	<b>Boiling point/range:</b> Not determined
<b>Melting point/range:</b> Not determined	<b>Decomposition temperature:</b> Not determined
<b>Autoignition temperature:</b> No information available	<b>Solubility:</b> Dispersible
<b>Solubility in other solvents:</b> No information available	<b>Relative Density (relative to water):</b> 1.03
<b>Density:</b> 8.59 lbs/gal 1.03 Kg/L	<b>Vapor density:</b> No information available
<b>Bulk density:</b> No information available	<b>Vapor pressure:</b> No information available.
<b>Flash point:</b> > 200 °F > 93.3 °C	<b>Partition coefficient (n-octanol/water):</b> No information available
<b>Dilution Flash Point:</b> > 200 °F > 93.3 °C	<b>Viscosity:</b> No information available
<b>Elemental Phosphorus:</b> 0.00 % by wt.	<b>VOC:</b> 50.13 % *
<b>pH:</b> 12.25	<b>VOC % by wt. at use dilution</b> 3.58 % *
<b>Dilution pH:</b> 11.7 @ 1:13	<b>Flammability (Solid or Gas):</b> Not applicable
<b>Metal Corrosion:</b> Not determined	
<b>Explosion limits: - upper:</b> Not determined - <b>lower:</b> Not determined	

\* - Title 17, California Code of Regulations, Division 3, Chapter 1, Subchapter 8.5, Article 2, Consumer Products, Sections 94508

## 10. STABILITY AND REACTIVITY

**Reactivity:** Not Applicable **Stability:** Not Applicable  
The product is stable. **Hazardous decomposition products:** None  
reasonably foreseeable. **Materials to avoid:** None known.  
**Conditions to avoid:** No information available.

## 11. TOXICOLOGICAL INFORMATION

**Information on likely routes of exposure:**  
Eye contact, Skin contact, Inhalation, Ingestion

**Delayed, immediate, or chronic effects and symptoms from short and long-term exposure**

**Skin contact:** Corrosive. Harmful in contact with skin. Causes severe burns. Symptoms may include burns, blisters, redness and pain (which may be delayed).

**Eye contact:** Corrosive. Causes serious eye damage. Symptoms may include pain, burning sensation, redness, watering, blurred vision or loss of vision.

**Ingestion:** Harmful if swallowed. Causes burns/ serious damage to mouth, throat and stomach. Symptoms may include vomiting, nausea, and/or feeling of general unwellness.

**Inhalation:** Harmful if inhaled. May cause irritation and corrosive effects to nose, throat and respiratory tract. Symptoms may include coughing and difficulty breathing.

**Sensitization:** No known effects.

**Numerical measures of toxicity**

<b>ATE - Oral (mg/kg):</b>	1400
<b>ATE - Dermal (mg/kg):</b>	2000
<b>ATE - Inhalatory, mists (mg/l):</b>	2.9
<b>ATE - Inhalatory, vapors (mg/l):</b>	22

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity:** No information available.

**Persistence and Degradability:** No information available.

**Bioaccumulation:** No information available.

## 13. DISPOSAL CONSIDERATIONS

**Waste from residues / unused products:** This product, as sold, if discarded or disposed, is a hazardous waste according to Federal regulations (40 CFR 261.4 (b)(4)). Dispose in compliance with all Federal, state, provincial, and local laws and regulations. This product, when diluted as stated on this SDS, is not a hazardous waste according to Federal regulations (40 CFR 261.4 (b)(4)). Under RCRA, it is the responsibility of the user of the product to determine, at the time of disposal, whether the waste solution meets RCRA criteria for hazardous waste. Dispose in compliance with all Federal, state, provincial, and local laws and regulations.

**Contaminated Packaging:** Do not re-use empty containers.

**RCRA Hazard Class (undiluted product):** D002 Corrosive Waste

**RCRA Hazard Class (diluted product):** Not Regulated

## 14. TRANSPORT INFORMATION

**DOT/TDG/IMDG:** Please refer to the DOT regulations, <http://www.dot.gov>, for up to date shipping information.

**DOT (Ground) Bill of Lading Description:** LTD. QTY.

**IMDG (Ocean) Bill of Lading Description:** UN2491, ETHANOLAMINE SOLUTIONS, 8, III, LTD. QTY.

## 15. REGULATORY INFORMATION

### International Inventories at CAS# Level

All components of this product are listed on the following inventories: U.S.A. (TSCA), Canada (DSL/NDSL).

### U.S. Regulations

**California Proposition 65:** This product is not subject to the reporting requirements under California's Proposition 65.

### RIGHT TO KNOW (RTK)

Ingredient(s)	CAS #	MARTK:	NJRTK:	PARTK:	RIRTK:
Monoethanolamine	141-43-5	X	X	X	-
Benzyl alcohol	100-51-6	X	-	X	-
Water	7732-18-5	-	-	-	-
Alcohol ethoxylates	68439-46-3	-	-	-	-
2-Butoxyethanol	111-76-2	X	X	X	-

### CERCLA/ SARA

#### SARA 311/312 Hazard Categories

Immediate: X  
Delayed: -  
Fire: -  
Reactivity: -  
Sudden Release of Pressure: -

### Canada

## 16. OTHER INFORMATION

### NFPA

Health 3

Flammability 0

Instability 0

Version Number: 2

Preparation date: 2015-07-16

Reason for revision: Not applicable  
Prepared by: LIHHIND  
Additional advice: • Does not contain an added fragrance

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