

# HEAVY DUTY DEGREASER Ultra Concentrate

## SAFETY DATA SHEET

### 1. SECTION 1: IDENTIFICATION

<b>1.1 Product identifier</b>	Product identifier	Heavy Duty Degreaser – Ultra Concentrate
	CAS No.	Mixture
<b>1.2 Recommended use of the chemical and restrictions on use</b>	Identified Use(s)	Institutional Cleaning Product
	Uses Advised Against	Not intended for household purpose
<b>1.3 Supplier's details</b>	Company Identification	Custom Chemical Solutions, LLC 167 Commerce Dr., Loveland, OH 45140
	Telephone	(513) 870-4830
	Fax	(513) 870-4850
	E-mail	<a href="mailto:msds@washingsystems.com">msds@washingsystems.com</a>
<b>1.4 Emergency Phone No.</b>		Chemtrec: (800) 424-9300

### 2. SECTION 2: HAZARDS IDENTIFICATION

- 2.1 Classification of the substance or mixture**  
Serious eye damage: Category 1 (H318)  
Skin corrosion/irritation: Category 1B (H314)  
Acute toxicity, Oral: Category 4 (H302)  
Acute toxicity, dermal: Category 4 (H312)  
Acute toxicity, inhalation: Category 4 (H332)  
Chronic aquatic toxicity: Category 3 (H412)

- 2.2 Label elements**  
Hazard Pictogram(s)



Signal Word(s): DANGER

Hazard Statement(s):

H303+H312+H332: Harmful if swallowed, in contact with skin or if inhaled.

H314: Causes severe skin burns and eye damage.

H318: Causes serious eye damage

H412: Harmful to aquatic life with long lasting effects

Precautionary Statement(s):

P261: Avoid breathing dust/ fumes/ gas/mist/vapours/spray.

P264: Wash (hands and exposed skin) thoroughly after handling.

P270: Do not eat, drink or smoke when using this product.

P271: Use only outdoors and well-ventilated area

P273: Avoid release to the environment.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P301+P312+P330: IF SWALLOWED: Call a Poison Center or doctor /physician if you feel unwell. Rinse mouth.

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

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

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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 and wash before reuse.

2.3 **Hazards Not Otherwise Known:** None

2.4 **Additional Information:** None.

## 3. SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1 Mixtures

Hazardous Ingredient(s)	CAS No.	%W/W
Monoethanolamine	141-43-5	10-15
Alcohols, C10-16, ethoxylated	68002-97-1	3-5

### 3.3 Additional Information

None.

## 4. SECTION 4: FIRST AID MEASURES



### 4.1 Description of first aid measures

Inhalation

Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration. If irritation develops and persists, get medical attention.

Skin Contact

Wash with plenty of soap and water. If irritation develops and persists, get medical attention.

Eye Contact

Flush eyes with water for at least 15 minutes while holding eyelids open. Get medical attention.

Ingestion

Do NOT induce vomiting. Do not give anything by mouth to an unconscious person. Rinse mouth. Get immediate medical advice/attention.

### 4.2 Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labeling (section 2.2) and or in section 11.

### 4.3 Indication of any immediate medical attention and special treatment needed

Not known

## 5. SECTION 5: FIRE-FIGHTING MEASURES

### 5.1 Extinguishing media

Suitable Extinguishing Media

Any media, which is suitable, such as water spray, CO<sub>2</sub>, dry chemical. This product will not burn.

Unsuitable extinguishing Media

None known.

### 5.2 Special hazards arising from the substance or

None known.

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- 5.3** **mixture**  
**Advice for fire-fighters** A self contained breathing apparatus and suitable protective clothing should be worn in fire conditions. Water spray should be used to cool containers.

## 6. SECTION 6: ACCIDENTAL RELEASE MEASURES

- 6.1** **Personal precautions, protective equipment and emergency procedures** Do not eat, drink or smoke during work. Wear appropriate personal protective equipment, avoid direct contact. Wear protective gloves/eye protection.
- 6.2** **Environmental precautions** Prevent liquid entering sewers, basements and any watercourses.
- 6.3** **Methods and material for containment and cleaning up** In event of a spill, evacuate danger area. Stop leak if safe to do so. Provide adequate ventilation. Cover with absorbent or contain. Collect and dispose. Wash the spillage area with water.
- 6.4** **Reference to other sections** See Also Section 8, 13.

## 7. SECTION 7: HANDLING AND STORAGE

- 7.1** **Precautions for safe handling** Keep container tightly closed and in a well-ventilated place. Do not get in eyes, on skin, or on clothing. Avoid breathing mist/spray. Avoid ingestion. Wash thoroughly after handling. Avoid prolonged skin contact.
- 7.2** **Conditions for safe storage, including any incompatibilities** Keep container tightly closed and dry. Store in a well-ventilated place. Keep/store away from: Incompatible materials
- 7.2.3** **Incompatible materials** See Section: SECTION 10:

## 8. SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

- 8.1** **Control parameters**  
**Occupational Exposure Limits**

SUBSTANCE	CAS No.	LTEL (8 hr TWA ppm)	LTEL (8 hr TWA mg/m <sup>3</sup> )	STEL (ppm)	STEL (mg/m <sup>3</sup> )	Note
Monoethanolamine	141-43-5	3	-	6	-	
Alcohols, C10-16, Ethoxylated	68002-97-1	Not established	Not established	Not established	Not established	Not established

Source: OECD SIDS and ChemInfo.

- 8.2** **Appropriate engineering controls** Use only with adequate ventilation to keep exposures (airborne levels of dust, fume, vapour etc) below recommended exposure limits.
- 8.3** **Individual protection measures, such as personal protective equipment (PPE)**
- Eye/face protection  Goggles.
- Skin protection  Protective gloves. Consideration should be given to the work procedures involved and the potential extent of exposure as they may determine whether a higher level of protection is required.
- Respiratory protection  Wear suitable respiratory protective equipment if exposure to levels above the occupational exposure limit is likely. Use NIOSH approved respiratory protection.

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Thermal hazards

None known

## 9. SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

Appearance	Liquid.
Colour.	Orange liquid
Odour	Fragrant Odor
Odour Threshold	Not available.
pH	10.5-11.9
Melting Point/Freezing Point	Not available.
Initial boiling point and boiling range	Not available.
Flash point	None
Evaporation Rate	Not available
Flammability (solid, gas)	Not available
Upper/lower flammability or explosive limits	Not available
Vapour pressure	Not available
Vapour density	Not available
Relative density	1.02 g/cc
Solubility(ies)	Water
Partition coefficient: n-octanol/water	Not available
Auto-ignition temperature	Not available
Decomposition Temperature	Not available
Viscosity	Not available
Explosive properties	None known
Oxidising properties	None known

### 9.2 Other information

Not available

## 10. SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity	Stable
10.2 Chemical stability	Stable under normal conditions.
10.3 Possibility of hazardous reactions	Will not occur
10.4 Conditions to avoid	Conditions to avoid: prolonged exposure-Heat and Air
10.5 Incompatible materials	Acids. Strongly alkaline. Strong oxidising agents. Halogens. Aluminium
10.6 Hazardous decomposition product(s)	Carbon dioxide. Carbon monoxide

## 11. SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

	CAS #68002-97-1	CAS #141-43-5
<b>Accute Toxicity</b>		
Ingestion	: LD50(rat): >1,000 mg/kg	LD50(rat): >1,720mg/Kg
Inhalation	: No data available	No data
Skin Contact	: No data available	No data
Eye Contact	: No data available.	No data
<b>Skin corrosion/irritation</b>	: Irritation (rabbit): Skin irritation (24 Hr): 4.4 (max score is 8)	No data
<b>Serious eye damage/irritation</b>	: Irritation (rabbit): Severe eye irritation 50.8 (max. score is 110). Irreversible effects on the eye	No data
<b>Respiratory or skin sensitization</b>	: No data available.	No data
<b>Germ cell mutagenicity</b>	: No evidence of genotoxicity.	No evidence

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<b>Carcinogenicity</b>	: Not listed as carcinogen by IARC, ACGIH, NTP, OSHA.	Not Established
<b>Reproductive toxicity</b>	: No data available.	No data
<b>STOT - single exposure</b>	: No data	No data
<b>STOT - repeated exposure</b>	: May cause respiratory irritation.	No data
<b>Aspiration hazard</b>	: Unlikely to be hazardous if swallowed.	No data
<b>11.2 Other information</b>	Not available	No data

## 12. SECTION 12: ECOLOGICAL INFORMATION

<b>12.1 Toxicity of Alcohols, C10-16, Ethoxylated; CAS #68002-97-1:</b>	EC50 (Daphnia) 48 hrs.: 2.32 mg/l. LC50(poecilla reticulata (guppy)) 96 hts: 6.5 mg.l LC50 (fathead minnow): 227 mg/m3 (96h) EC50 (Daphnia magna): 68 mg/l – 48h EC50 (Desmodesmus subspicatus-green alge): 15 mg/m3 (72h)
CAS #141-43-5 Monoethanolamine	
<b>12.2 Persistence and degradability</b>	<b>No data available.</b>
<b>12.3 Bioaccumulative potential</b>	No data available.
<b>12.4 Mobility in soil</b>	No data
<b>12.5 Other adverse effects</b>	None known

## 13. SECTION 13: DISPOSAL CONSIDERATIONS

<b>13.1 Waste treatment methods</b>	Observe Local Regulations. Consult the supplier for safe disposal of spillage waste and for decontamination of spillage area. References: SECTION 8:
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## 14. SECTION 14: TRANSPORT INFORMATION

### D.O.T. Classification

Not classified.

<b>14.1 UN number</b>	Not applicable
<b>14.2 Proper Shipping Name</b>	Not applicable
<b>14.3 Transport hazard class(es)</b>	Not applicable
<b>14.4 Packing group</b>	Not applicable
<b>14.5 Environmental hazards</b>	Not applicable
<b>14.6 Special precautions for user</b>	Not applicable

## 15. SECTION 15: REGULATORY INFORMATION

<b>15.1 US Federal Regulations:</b>		
<i>TSCA Inventory Status :</i>	CAS 141-43-5 monoethanolamine	<b>CAS No. 68002-97-1</b>
<i>All chemicals in this product comply with TSCA rules and regulations including TSCA Section 5 (Inventory Rules).</i>	<i>Title III Consolidated List of Lists:</i> S. 302 (EHS): No. S 304 (RQ): No. S 311/312 HAZARDS IDENTIFICATION: Acute: Yes. Chronic: No. Fire: No. Reactivity: No. Release potential pressure: No. S 313 (TRI): No.	<i>Title III Consolidated List of Lists:</i> S. 302 (EHS): No. S 304 (RQ): No. S 311/312 HAZARDS IDENTIFICATION: Acute: Yes. Chronic: No. Fire: No. Reactivity: No. Release potential pressure: No. S 313 (TRI): No.
<b>15.1.1 Other regulations, restrictions and</b>	<b>CAS No. 141-43-5</b> <i>Proposition 65 (California):</i> No.	<b>CAS No. 68002-97-1</b> <i>Proposition 65 (California):</i> No.

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**prohibition regulations:**  
**USA**

*NJ RTK: Yes*  
*NY Environmentally hazardous substance (PART 597): Yes.*  
*PA Environmentally hazardous substance (HSL): Yes.*

*NJ RTK: Yes*  
*NY Environmentally hazardous substance (PART 597): Yes.*  
*PA Environmentally hazardous substance (HSL): Yes.*

**15.2 Canada (DSL/NDSL):**

DSL: Yes. NDSL: No.

DSL: Yes. NDSL: No.

## 16. SECTION 16: OTHER INFORMATION

Date of preparation: 05/01/2015

### Disclaimers

Information contained in this publication or as otherwise supplied to Users is believed to be accurate and is given in good faith, but it is for the Users to satisfy themselves of the suitability of the product for their own particular purpose. Washing Systems gives no warranty as to the fitness of the product for any particular purpose and any implied warranty or condition (statutory or otherwise) is excluded except to the extent that exclusion is prevented by law. Washing Systems accepts no liability for loss or damage, resulting from reliance on this information.

The composition of the product is confidential.

NFPA		HMIS	
Health	2	Health	2
Fire	0	Flammability	0
Instability	0	Physical hazards	0
Specific	None	PPE	

### LEGEND

LTEL Long Term Exposure Limit  
 STEL Short Term Exposure Limit  
 STOT Specific Target Organ Toxicity  
 OSHA Occupational Safety and Health Administration  
 TSCA Toxic Substances Control Act  
 NFPA National Fire Protection Association  
 HMIS Hazardous Material Information System

PRODUCT ITEM CODES: AMEHD01C/ AMEHD01/CCSHD01