




SECTION 1: Identification			
<b>Product Name</b>	HD-32 Heavy Duty Degreaser	<b>Product Code</b>	HD321/HD32TP/HD32QT
<b>Recommended Use</b>	All-purpose cleaning and degreasing		
<b>Supplier</b>	M.D. Stetson Company, Inc. 92 York Avenue Randolph, MA 02368 781-986-6161	<b>Emergency Telephone</b>	
		INFOTRAC: 1-800-535-5053	
SECTION 2: Hazard(s) identification			
WARNING 	Hazards not otherwise classified or not covered by GHS		
	None		
Hazard Statements	Hazard Class (GHS Chapter)		Category
Harmful if swallowed, inhaled, or in contact with skin.	Acute Toxicity oral, dermal and inhalation (3.1)		4
Causes skin irritation.	Skin corrosion/irritation (3.2)		2
May cause long lasting harmful effects to aquatic life.	Hazardous to the aquatic environment, long-term (4.1)		4
Precautionary Statements			
<p>Keep out of the reach of children.            Do not eat, drink or smoke when using this product.            If swallowed, rinse mouth. Call poison center/doctor/medical personnel if you feel unwell.            Wear protective gloves.            Wash skin/clothing thoroughly after handling.            If on skin, wash with plenty of water and soap. Rinse with plenty of water.            If skin irritation occurs, get medical advice/attention.            Remove contaminated clothing and wash before reuse.            Avoid release to the environment.</p>			
<i>This product, when diluted through the Product Central automated dispensing system in accordance with the manufacturer's instructions, is considered non-hazardous as defined in OSHA 29 CFR 1910.1200 at end use dilutions.</i>			
SECTION 3: Composition/Information on Ingredients			
Chemical identity	Common name, synonyms, etc.	CAS #	%
Ethanolamine	MEA,2-aminoethanol, ETA, monoethanolamine, 2-Aminoethyl alcohol	141-43-5	1-3
Benzyl Alcohol	Benzenemethanol	100-51-6	3-5

**SECTION 4: First Aid Measures**

**If medical advice is needed, have product container or label at hand.**

<b>Necessary measures for routes of exposure</b>	IF SWALLOWED: Harmful if swallowed. Rinse mouth. DO NOT induce vomiting. Call poison center, 911 or emergency medical service.
	IF ON SKIN: Remove contaminated clothing and wash before reuse. Rinse affected areas with plenty of soap and water or shower. If skin irritation occurs, get medical advice/attention.
	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
	IF IN EYES: Rinse carefully with water for several minutes. Remove contact lenses, if easy to do. Continue rinsing.

<b>Most important symptoms/effects, acute and delayed.</b>	Acute exposure may cause skin burns/irritation or eye irritation.
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<b>Immediate medical attention and special treatment, if necessary</b>	Move victim to fresh air. Immediately call poison center, 911 or medical aid.
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**SECTION 5: Fire-fighting Measures**

<b>Suitable extinguishing media.</b>	Dry chemical, CO <sub>2</sub> , alcohol resistant foam or water spray
<b>Specific hazards arising from the chemical</b>	None
<b>Special protective equipment and precautions for fire-fighters.</b>	Wear positive pressure, self-contained breathing apparatus (SCBA). Wear chemical protective clothing specifically recommended by the manufacturer. It may provide little or no thermal protection.
<b>Emergency Response Guide Number</b>	Not applicable

**SECTION 6: Accidental Release Measures**

<b>Personal precautions, protective equipment and emergency procedures.</b>	Keep away from clothing and other combustible materials. Chemically protective gloves and safety eyewear are recommended.
<b>Environmental precautions.</b>	Prevent entry into waterways, sewers, basements or confined areas. Collect spillage.
<b>Methods and materials for containment and cleaning up.</b>	Stop leak if you can do it without risk. Prevent entry into waterways, sewers, basements or confined areas. Absorb or cover with dry earth, sand or other non-combustible absorbent material and transfer to containers. Collect spillage. Contact a licensed professional waste disposal service to dispose of this material.

**SECTION 7: Handling and Storage**

<b>Precautions for safe handling.</b>	Keep out of the reach of children. Do not eat, drink or smoke in areas where this material is used. After handling, always wash hands thoroughly with soap and water. Wear protective eyewear and nitrile gloves.
<b>Conditions for safe storage, including any incompatibilities.</b>	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Store containers in a cool, dry, ventilated area away from sources of ignition and incompatible materials. Keep containers tightly closed and properly labeled. Store in original containers. Use within 1 year

**SECTION 8: Exposure Controls/Personal Protection**

Component	CAS #	Type	Value	Basis
Ethanolamine	141-43-5	TWA	3ppm	USA, ACGIH Threshold Limit Values,(TLV)
		STEL	6ppm	USA, ACGIH Threshold Limit Values,(TLV)
		TWA	3ppm (8mg/m3)	USA OSHA-Table Z-1 Limits for Air Contaminants – 1910.1000
		STEL	6ppm (15mg/m3)	USA OSHA-Table Z-1 Limits for Air Contaminants – 1910.1000
		TWA	3ppm (8mg/m3)	USA, NIOSH Recommended Exposure Limits
		STEL	6ppm (15mg/m3)	USA, NIOSH Recommended Exposure Limits

**Remarks:** Skin & eye irritation

Benzyl Alcohol	100-51-6	TWA	10ppm	USA Workplace Environmental Exposure Levels (WEEL)
<b>Control parameters</b>		Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and after the workday. Long term exposure could irritate skin and eyes. Collect spillage.		
<b>Appropriate engineering controls</b>		Provide local ventilation. Respiratory equipment is not required. For nuisance exposures use type OV/AG (US) respiratory cartridges.		
<b>Individual protection measures</b>		Avoid eye and skin contact with this product. Protective eyewear and nitrile gloves which have been inspected prior to use are recommended.		

**SECTION 9: Physical and Chemical Properties**

<b>Appearance</b>	Green transparent liquid	<b>Boiling Point</b>	Ca 212°F
<b>Odor</b>	Citrus fragrance added	<b>Solubility in Water</b>	Complete
<b>Specific Gravity</b>	0.99-1.01	<b>Evaporation Rate</b>	Slower than water
<b>pH at concentrate</b>	9.4-9.8	<b>VOC at concentrate</b>	<3.80%
<b>pH at use dilution</b>	8.0-8.8	<b>VOC at use dilution</b>	<0.02%

**SECTION 10: Stability and Reactivity**

<b>Reactivity</b>	No data available.
<b>Chemical stability</b>	Stable under recommended storage conditions.
<b>Possibility of hazardous reactions</b>	No data available.
<b>Conditions to avoid</b>	Avoid heat.
<b>Incompatible materials</b>	Poly vinyl chloride plastic, Mylar
<b>Hazardous decomposition products</b>	Mixture may release ammonia when heated.

**SECTION 11: Toxicological Information**

<b>IARC</b>	No component of this product is present at levels greater than or equal to 0.1% is identified as a probable, possible or confirmed human carcinogen by IARC
<b>ACGIH</b>	No component of this product is present at levels greater than or equal to 0.1% is identified as a probable, possible or confirmed human carcinogen by ACGIH
<b>NTP</b>	No component of this product is present at levels greater than or equal to 0.1% is identified as a probable, possible or confirmed human carcinogen by NTP
<b>OSHA</b>	No component of this product is present at levels greater than or equal to 0.1% is identified as a probable, possible or confirmed human carcinogen by OSHA
<b>Additional Information</b>	Benzyl alcohol RTECS: DN3150000, Central nervous system depression. Liver - Irregularities - Based on Human Evidence Ethanalamine RTECS:KJ5775000, Liver-Irregularities- Based on Human Evidence

**SECTION 12: Ecological Information**

Ethanalamine is toxic to aquatic life. Benzyl alcohol is toxic to aquatic life. No data is available on the mixture.

**SECTION 13: Disposal Considerations**

Dispose of contents/container in accordance with local, state, and federal regulations. Collect spillage. Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material. Dispose of contaminated packing as unused product.

**SECTION 14: Transport Information**

Not U.S. DOT regulated for ground transport

**SECTION 15: Regulatory Information**

This mixture does not contain any materials subject to the reporting requirements of SARA Title III, Section 302, SARA title II, Section 304 or SARA Title III, Section 313.

Ethanalamine is a Fire Hazard, Acute Health Hazard, and Chronic Health Hazard per SARA 311/312. Benzyl Alcohol is an Acute Health Hazard, Chronic Health Hazard per SARA 311/312. Mixture has not been tested.

Ethanalamine CAS 141-43-5 and Benzyl Alcohol CAS100-51-6 are NJ, PA, MA Right-to-Know chemicals

California Prop. 65: This product does not contain any chemical known to State of California to cause cancer, birth defects, or any other reproductive harm.



This product meets Green Seal™ Standard GS-34 based on effective performance and protective limits on: VOCs, ozone depleting chemicals, and human & environmental toxicity. GreenSeal.org.

**SECTION 16: Other Information**

Revision prepared 10/15/2018 by Gene Ricciardelli in accordance with OSHA 29 CFR 1910.1200, for USA use only. Previous version dated 12/29/2017.