

MSDS GHS Safety Data Sheet

TES 288

MSDS Number: 1B01

Revision Date: 1/1/2011

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1 PRODUCT AND COMPANY IDENTIFICATION

Product Name: TES 288
Revision Date: 1/1/2011
Version: 1
MSDS Number: 1B01
Common Name: MIXTURE
Product Code: 1B01
EPA Number: 6836-85
Chemical Formula: MIXTURE
Product Use: Bowl Cleaner

Manufacturer

Centraz Industries, Inc.
4051 Bingham Ave
Saint Louis, MO. 63116

Phone: 314-752-7627
Fax: 314-752-7293

Distributor:

Trinity Eco Solutions, LLC
5860 N Keating
Chicago, IL 60646

Phone: 312-493-3059

For Help in CHEMICAL EMERGENCIES
involving spills, leaks, fire, or exposure call
CHEMTREC at 1-800-424-9300 24 hours a day.
Company Code # CETZ

2 HAZARDS IDENTIFICATION

Route of Entry: Eyes; Inhalation; Skin;
Target Organs: Eyes, Skin, Respiratory Tract
Inhalation: Based on the available animal toxicity information for similar products, it is anticipated that this material will cause possible irreversible damage upon direct or prolonged contact and prolonged inhalation may produce irreversible damage to the respiratory tract
Skin: Based on the available animal toxicity information for similar products, it is anticipated that this material will cause skin irritation and/or burns
Eye: Based on the available animal toxicity information for similar products, it is anticipated that this material will cause severe eye irritation and/or burns
Ingestion: N/A

Chemicals Listed as Carcinogen by: (Yes or No)
National Toxicology Program - No
I.A.R.C. Monographs - No
OSHA - No

3 COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients:

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Cas #	Perc.	Chemical Name
7647010	9.60%	Hydrochloric acid
68424953	.45%	Quaternary ammonium compounds, di-C8-10-alkyldimethyl, chlorides
68424851	.30%	Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides
127087870	1.00%	Poly(oxy-1,2-ethanediyl), .alpha.-(4-nonylphenyl)-.omega.-hydroxy-, branched
7732185	88.65%	Water

4 FIRST AID MEASURES

- Inhalation:** Remove from area to fresh air. If not breathing, clear airway and start artificial respiration. If victim is having trouble breathing, give supplemental oxygen, if available. Get immediate medical attention.
- Skin Contact:** Wash with large amounts of running water and soap, if available, for 15 minutes. Remove contaminated clothing and shoes. Get immediate medical attention. Wash clothing and decontaminate shoes before reuse.
- Eye Contact:** Flush eyes with large amounts of running water for at least 15 minutes. Hold eyelids apart to ensure rinsing of the entire surface of the eye and lids with water. Get immediate medical attention. If a physician is not available, flush for an additional 15 minutes and then transport victim to medical care.
- Ingestion:** If swallowed, immediately give 3-4 glasses of milk, (if unavailable, give water). DO NOT induce vomiting. If vomiting occurs, give fluids again. Get immediate medical attention. Have a physician determine if the patient's condition allows for induction of vomiting or evacuation of the stomach. Do not give anything by mouth to a convulsing or unconscious person.

5 FIRE FIGHTING MEASURES

- Flash Point:** Not Known
Autoignition Temp: Not Known
LEL: Not applicable
UEL: Not Known

Use Foam, CO2, Dry Chemical, or Water

Special Fire Fighting Procedures: Must wear NIOSH/MSHA approved self-contained breathing apparatus and protective clothing. Cool fire-exposed containers with water spray.

Unusual Fire and Explosion Hazards: Products of combustion are toxic. Heat will produce corrosive and highly irritating vapors of hydrochloric acid.

6 ACCIDENTAL RELEASE MEASURES

Steps To Be Taken If Material Is Spilled Or Released: Danger! Corrosive material. Floors may become slippery. Toxic and corrosive vapors of hydrogen chloride may be produced. Wear appropriate protective gear and respiratory protection where mist or vapors of unknown concentrations may be generated (Self-contained breathing apparatus preferred).

Dike and contain spill with inert material (sand, earth, ect.). If possible CAREFULLY AND SLOWLY neutralize the acid with an alkaline material but do not use carbonates or bicarbonates. Transfer the liquid and solid separately to containers for disposal. Keep spill out of sewers and open bodies of water.

Waste Disposal Methods: Dispose of in compliance with all Federal, state, and local laws and regulations. Incineration is the preferred method.

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Container Disposal: Triple rinse (or equivalent) then offer for recycling or reconditioning or puncture and dispose of in a sanitary landfill, or incineration or, if allowed by local and state authorities, by burning. If burning, stay out of smoke.

7 HANDLING AND STORAGE

- Handling Precautions:** Ventilation type: In processes where TLV may exceed or mists and/or vapors may be generated, proper ventilation must be provided in accordance with good ventilation practices.
- Respiratory protection: A NIOSH/MSHA jointly approved respirator is advised in the absence of proper environmental controls or if recommended TWA/TLV is exceeded.
- Protective Gloves: Rubber or neoprene, when needed, to prevent skin contact.
- Eye protection: Wear chemical splash goggles where there is a potential for eye contact. Use safety glasses with side shields under normal use conditions.
- Other Protective Equipment: Eye wash, Safety shower and protective clothing (long sleeves, coveralls, or other, as appropriate) to prevent skin contact.
- Storage Requirements:** Precautions for Storage and Handling: Store at temperatures below 140 Dgr. F. Keep containers closed until used. Do not contaminate drinking water, food, or feed by storage or disposal.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

- Engineering Controls:** Ventilation type: In processes where TLV may exceed or mists and/or vapors may be generated, proper ventilation must be provided in accordance with good ventilation practices.
- Personal Protective Equip:** Respiratory protection: A NIOSH/MSHA jointly approved respirator is advised in the absence of proper environmental controls or if recommended TWA/TLV is exceeded.
- Protective Gloves: Rubber or neoprene, when needed, to prevent skin contact.
- Eye protection: Wear chemical splash goggles where there is a potential for eye contact. Use safety glasses with side shields under normal use conditions.
- Other Protective Equipment: Eye wash, Safety shower and protective clothing (long sleeves, coveralls, or other, as appropriate) to prevent skin contact.

TWA/TLV For CAS No. 7647-01-0

5 ppm (OSHA-PEL-ceiling)

5 ppm (ACGIH-TWA-ceiling)

9 PHYSICAL AND CHEMICAL PROPERTIES

- | | | | |
|----------------------------|------------------|------------------------------|--------------|
| Appearance: | Clear Green | Odor: | Mint |
| Physical State: | Liquid | Solubility: | Soluble |
| Spec Grav./Density: | 1.04 @ 25 dgr. C | Percent Volatile: | 98.2 |
| Viscosity: | Thick or Thin | Freezing/Melting Pt.: | Not Known |
| Boiling Point: | Not Known | Vapor Density: | Not Known |
| Vapor Pressure: | Not Known | Bulk Density: | 8.7 #/Gallon |
| pH: | 0.5 to 0.7 | | |
| Evap. Rate: | Not Known | | |

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10 STABILITY AND REACTIVITY

Stability:	Stable
Conditions to Avoid:	Heat (Heating this material will release toxic and corrosive hydrogen chloride gas)
Materials to Avoid:	Strong Bases
Hazardous Decomposition:	Thermal decomposition may produce toxic vapors/fumes of amines and other organic materials, hydrogen chloride, and oxides of carbon and nitrogen.
Hazardous Polymerization:	Will not occur.

11 TOXICOLOGICAL INFORMATION

Based on the available animal toxicity information for similar products, it is anticipated that this material will cause severe eye and skin irritation and/or burns and possible irreversible damage upon direct or prolonged contact and prolonged inhalation may produce irreversible damage to the respiratory tract.

12 ECOLOGICAL INFORMATION

THIS PRODUCT HAS NOT BEEN TESTED

13 DISPOSAL CONSIDERATIONS

Waste Disposal Methods: Dispose of in compliance with all Federal, state, and local laws and regulations. Incineration is the preferred method.

Container Disposal: Triple rinse (or equivalent) then offer for recycling or reconditioning or puncture and dispose of in a sanitary landfill, or incineration or, if allowed by local and state authorities, by burning. If burning, stay out of smoke.

14 TRANSPORT INFORMATION

DOT Class: Corrosive (8) #8

Dot Shipping Name: Disinfectant, Liquid
ORM-D Consumer Commodity for 12x1 QT Cartons

15 REGULATORY INFORMATION

COMPONENT / (CAS/PERC) / CODES

*Hydrochloric acid (7647010 9.60%) CERCLA, CSWHS, EHS302, EPCRAWPC, HAP, MASS, NJEHS, NJHS, OSHAPSM, OSHAWAC, PA, SARA313, TSCA, TXAIR

*Quaternary ammonium compounds, di-C8-10-alkyldimethyl, chlorides (68424953 .45%) TSCA

*Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides (68424851 .30%) TSCA

*Poly(oxy-1,2-ethanediyl), .alpha.-(4-nonylphenyl)-.omega.-hydroxy-, branched (127087870

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1.00%) TSCA

*Water (7732185 88.65%) TSCA

REGULATORY KEY DESCRIPTIONS

CERCLA = Superfund clean up substance
CSWHS = Clean Water Act Hazardous substances
EHS302 = Extremely Hazardous Substance
EPCRAWPC = EPCRA Water Priority Chemicals
HAP = Hazardous Air Pollutants
MASS = MA Massachusetts Hazardous Substances List
NJEHS = NJ Extraordinarily Hazardous Substances
NJHS = NJ Right-to-Know Hazardous Substances
OSHAPSM = OSHA Chemicals Requiring process safety management
OSHAWAC = OSHA Workplace Air Contaminants
PA = PA Right-To-Know List of Hazardous Substances
SARA313 = SARA 313 Title III Toxic Chemicals
TSCA = Toxic Substances Control Act
TXAIR = TX Air Contaminants with Health Effects Screening Level
FEDERAL LEVEL REGULATIONS: This is an EPA registered pesticide (EPA Registration No. 6836-85)

TOXIC SUBSTANCE CONTROL ACT (TSCA INVENTORY) STATUS: Found on U.S. EPA TSCA inventory.

TSCA Section 12(b) Export Notification

Components present in this product which, if exported, could require either annual or on-time reporting under this regulation are as follows:

Chemical Name:

None Known

CERCLA (Comprehensive Environmental Response, Compensation and Liability Act of 1980) requires notification of the national Response Center following hazardous materials contained in this product, if release is equal to or greater than the Reportable Quantities (RQs) listed in 40 CFR 302.4:

Chemical Name: CAS Number Typical Max Concentration:

Hydrochloric Acid 7647010 9.6%

SARA Title III, Sections 302/304 (Superfund Amendments and Reauthorization act of 1986)-

This act requires emergency planning, including agency notification, for possible release of the following components of this material, based upon the Threshold Planning Quantities (TPQs) and release Reportable Quantities (RQs) listed for the Components in 40 CFR 355:

Chemical Name Cas Number Typical Maximum Concentration:

Hydrochloric Acid 7647010 9.6%

SARA Title III, Sections 311/312- This act requires reporting under the community Right-To-Know provisions due to the inclusion of the following components of this material in one or more of the five hazard categories listed in 40 CFR 370:

Chemical Name CAS Number Categories

Hydrochloric Acid 7647010 A

Nonylphenol 127087870 A

(branched), Ethoxylated

*) the Five hazard Categories are as follows: F=FIRE HAZARD; S=SUDDEN RELEASE OF PRESSURE; R=REACTIVE; A=IMMEDIATE (ACUTE) HEALTH HAZARD; C=DELAYED (CHRONIC) HEALTH HAZARD

SARA Title III, Sections 313- This act requires submission of annual reports of releases of the following components of this material if the threshold reporting quantities, as listed in 40 CFR 372, are met or exceeded:

Chemical Name CAS Number Categories

None Known

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OTHER INFORMATION

Disclaimer:

Although reasonable care has been taken in the preparation of this document, we extend no warranties and make no

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representations as to the accuracy or completeness of the information contained herein, and assume no responsibility regarding the suitability of this information for the user's intended purposes or for the consequences of its use. Each individual should make a determination as to the suitability of the information for their particular purpose(s).

Note To Physician: Probably mucosal damage may contraindicate the use of gastric lavage. Measures against circulatory shock, as well as oxygen and measures to support breathing manually or mechanically may be needed. If persistent, convulsions may be controlled by the cautious intravenous injection of a short acting barbiturate drug.