

# Safety Data Sheet



Zep, Inc.  
1310 Seaboard Industrial Blvd.  
Atlanta, GA 30318  
1-877-I-BUY-ZEP (428-9937)  
www.zep.com

## Section 1. Chemical Product and Company Identification

**Product name** SAFE2DOSE™ ACID BATHROOM & SHOWER CLEANER  
**Product use** Concentrated Acid Cleaner  
**Product code** N687  
**Date of issue** 04/27/11 **Supersedes**

### Emergency Telephone Numbers

#### For MSDS Information:

Compliance Services 1-877-I-BUY-ZEP (428-9937)

#### For Medical Emergency

(877) 541-2016 Toll Free - All Calls Recorded

#### For Transportation Emergency

CHEMTREC: (800) 424-9300 - All Calls Recorded  
In the District of Columbia (202) 483-7616

Printing date: 04/27/11

#### Prepared By

Compliance Services  
1420 Seaboard Industrial Blvd.  
Atlanta, GA 30318

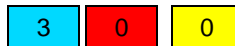
## Section 2. Hazards Identification

### Emergency overview

**DANGER !**

CAUSES EYE BURNS. CAUSES RESPIRATORY TRACT AND SKIN IRRITATION. HARMFUL IF SWALLOWED.

\*Hazard Determination System (HDS): Health, Flammability, Reactivity



**NOTE:** MSDS data pertains to the product as delivered in the original shipping container(s). Risk of adverse effects are lessened by following all prescribed safety precautions, including the use of proper personal protective equipment.

### Acute Effects

#### Routes of Entry

Eye contact. Inhalation. Ingestion.

#### Eyes

Causes eye burns. Prolonged contact with eye tissue may cause severe and permanent eye injury.

#### Skin

Causes skin irritation. Prolonged contact can cause severe irritation or even burns. Skin inflammation is characterized by itching, scaling, reddening or, occasionally, blistering.

#### Inhalation

Material is irritating to mucous membranes and upper respiratory tract.

#### Ingestion

Harmful if swallowed. May cause burns to mouth, throat and stomach.

### Chronic effects

No known chronic effects from exposure.

### Carcinogenicity

Ingredients: Not listed as carcinogen by OSHA, NTP or IARC.

### Product/ingredient name

Not available.

**Additional Information: See Toxicological Information (Section 11)**

## Section 3. Composition/Information on Ingredients

### Name of Hazardous Ingredients

	<u>CAS number</u>	<u>% by Weight</u>
UREA HYDROCHLORIDE; urea, monohydrochloride	506-89-8	50 - 60
HYDROXYACETIC ACID; glycolic acid; hydroxyethanoic acid	79-14-1	10 - 20
ALCOHOLS, C9-11, ETHOXYLATED; linear primary alcohol ethoxylate	68439-46-3	1 - 5

## Section 4. First Aid Measures

### Eye Contact

Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention. Chemical burns must be treated promptly by a physician.

### Skin Contact

Flush affected area immediately with large amounts of water for at least 15 minutes. Get medical attention if irritation develops.

### Inhalation

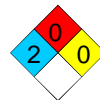
If inhaled, remove to fresh air. If irritation persists, get medical attention.

### Ingestion

Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If affected person is conscious, give plenty of water to drink. Get medical attention immediately.

**Section 5. Fire Fighting Measures**

National Fire Protection Association (U.S.A.)



<b>Flash Point</b>	Not applicable
<b>Flammable Limits</b>	Not applicable
<b>Flammability</b>	Non-combustible.
<b>Fire hazard</b>	No specific fire or explosion hazard. May emit toxic fumes under fire conditions.
<b>Fire-Fighting Procedures</b>	Use an extinguishing agent suitable for the surrounding fire. Fire-fighters should wear appropriate protective equipment. Do not release runoff from fire to drains or watercourses.

**Section 6. Accidental Release Measures**

<b>Spill Clean up</b>	Put on appropriate personal protective equipment (see section 8). Move containers from spill area. Absorb with an inert material and place in an appropriate waste disposal container. Dispose of according to all federal, state and local applicable regulations.
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**Section 7. Handling and Storage**

<b>Handling</b>	Put on appropriate personal protective equipment (see section 8). Do not get in eyes, on skin or on clothing. Do not ingest. Wash thoroughly after handling.
<b>Storage</b>	Keep container tightly closed and sealed until ready for use. Keep away from food, drink and animal feeding stuffs. Keep out of the reach of children. Store between the following temperatures: 40°F - 120°F (4.4°C - 49°C).

**Section 8. Exposure Controls/Personal Protection****Product name****Exposure limits**

No exposure limit value known.

**Personal Protective Equipment (PPE)**

<b>Eyes</b>	Splash goggles.
<b>Body</b>	Wear appropriate protective clothing to prevent skin contact. Recommended: Rubber gloves. Neoprene gloves.
<b>Respiratory</b>	No special ventilation requirements.

**Section 9. Physical and Chemical Properties**

<b>Physical State</b>	Liquid. [Clear, thin liquid]	<b>Color</b>	Purple.
<b>pH</b>	< 1.0	<b>Odor</b>	Fresh
<b>Boiling Point</b>	100°C (212°F)	<b>Vapor Pressure</b>	Not applicable
<b>Specific Gravity</b>	1.196	<b>Vapor Density</b>	Not applicable
<b>Solubility</b>	Easily soluble in the following materials: cold water and hot water.	<b>Evaporation Rate</b>	1 (Water = 1)
		<b>VOC (Consumer)</b>	0 g/l

**Section 10. Stability and Reactivity**

<b>Stability and Reactivity</b>	The product is stable.
<b>Incompatibility</b>	Slightly reactive or incompatible with the following materials: Alkali. Ammonia. Bleach.
<b>Hazardous Polymerization</b>	Will not occur.
<b>Hazardous Decomposition Products</b>	May release dangerous gases (chlorine), carbon oxides

**Section 11. Toxicological Information****Acute Toxicity**

Product/ingredient name	Result	Species	Dose	Exposure
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**Section 12. Ecological Information**

<b>Environmental Effects</b>	Not available.			
<b>Aquatic Ecotoxicity</b>				
Product/ingredient name	Test	Result	Species	Exposure

Product code N687	Material Safety Data Sheet		Product Name SAFE2DOSE™ ACID BATHROOM & SHOWER CLEANER	
Alkyl(C9-11) alcohol, ethoxylated	-	Acute EC50 7 mg/L Fresh water	Daphnia - Water flea - Daphnia magna - <24 hours	48 hours
	-	Acute EC50 5.36 mg/L Fresh water	Daphnia - Water flea - Ceriodaphnia dubia - Neonate - <24 hours	48 hours
	-	Acute EC50 12000 ug/L Fresh water	Daphnia - Water flea - Daphnia magna	48 hours
	-	Acute EC50 5300 ug/L Fresh water	Daphnia - Water flea - Daphnia magna	48 hours
	-	Acute EC50 2686 ug/L Fresh water	Daphnia - Water flea - Daphnia magna - Neonate - <24 hours	48 hours
	-	Acute LC50 11000 ug/L Fresh water	Fish - Fathead minnow - Pimephales promelas	96 hours
	-	Acute LC50 8500 ug/L Fresh water	Fish - Fathead minnow - Pimephales promelas	96 hours
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### Section 13. Disposal Considerations

#### Waste Information

Waste must be disposed of in accordance with federal, state and local environmental control regulations. Consult your local or regional authorities for additional information.

**Waste Stream** Code: - D002  
Classification: - [Hazardous waste]  
Origin: - [RCRA waste.]

### Section 14. Transport Information

Regulatory information	UN number	Proper shipping name	Classes	PG*	Label
<b>DOT Classification</b>	3264	Corrosive liquid, acidic, inorganic, n.o.s. (Urea Hydrochloride)	8	II	
<b>IMDG Class</b>	Not determined.				

**NOTE:** DOT classification applies to most package sizes. For specific container size classifications or for size exceptions, refer to the Bill of Lading with your shipment.

PG\* : Packing group

### Section 15. Regulatory Information

#### U.S. Federal Regulations

SARA 313 toxic chemical notification and release reporting:

##### Product name

No products were found.

**Clean Water Act (CWA) 307:** No products were found.

**Clean Water Act (CWA) 311:** No products were found.

**Clean Air Act (CAA) 112 regulated toxic substances:** No products were found.

**All Components of this product are listed or exempt from listing on TSCA Inventory.**

**TSCA 8(a) IUR:** Alkyl(C9-11) alcohol, ethoxylated

**United States inventory (TSCA 8b):** Not determined.

#### State Regulations

**California Prop 65** No products were found.

### Section 16. Other Information

*To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein.  
Final determination of 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.*

\*NOTE: Hazard Determination System (HDS) ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although these ratings are not required on MSDSs under 29 CFR 1910.1200, the preparer may choose to provide them. HDS ratings are to be used with a fully implemented program to relay the meanings of this scale.