Material Safety Data Sheet

CLEAN UP

1. Product and company identification

Trade name of product : CLEAN UP
Product use : Cleaning product

Product dilution information : 25%
1:4

Supplier's Information
Zep Vehicle Care
2930 Waters Road
Suite 230
Eagan, MN 55121
Phone: 1-877-3269274

Emergency Telephone Numbers
For MSDS Information: 1-877-I-BUY-ZEP (428-9937), Option #5
For Medical Emergency: INFOTRAC: (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

Code : 903599-01
Date of issue : **08-June-2010**

2. Hazards identification

	Product AS SOLD	Product AT USE DILUTION
Physical state	: Liquid.	Liquid.
Emergency overview	: DANGER !	DANGER !
	CAUSES RESPIRATORY TRACT, DIGESTIVE TRACT, EYE AND SKIN BURNS.	CAUSES RESPIRATORY TRACT, DIGESTIVE TRACT, EYE AND SKIN BURNS.
	Do not ingest. Do not get in eyes, on skin or on clothing. Do not breathe vapor or spray. Keep away from heat, sparks and flame. Keep container closed. Use only with adequate ventilation. Wash thoroughly after handling.	Do not ingest. Do not get in eyes, on skin or on clothing. Do not breathe vapor or spray. Keep container closed. Use only with adequate ventilation. Wash thoroughly after handling.

Potential acute health effects

	Product AS SOLD	Product AT USE DILUTION
Eyes	: Corrosive to eyes.	Corrosive to eyes.
Skin	: Corrosive to the skin.	Corrosive to the skin.
Inhalation	: Corrosive to the respiratory system.	Corrosive to the respiratory system.
Ingestion	: Causes burns to mouth, throat and stomach.	Causes burns to mouth, throat and stomach.

See toxicological information (section 11)

3. Composition/information on ingredients

Product AS SOLD

Name	CAS number	% by weight
HYDROCHLORIC ACID	7647-01-0	10
BUTOXYETHANOL	111-76-2	5
alcohols, c9-11, ethoxylated	68439-46-3	1 - 5

Product AT USE DILUTION

Name	CAS number	% by weight
HYDROCHLORIC ACID	7647-01-0	2
BUTOXYETHANOL	111-76-2	1

3. Composition/information on ingredients

4. First aid measures

	Product AS SOLD	Product AT USE DILUTION
Eye contact	: In case of contact, immediately flush eyes with cool running water. Remove contact lenses and continue flushing with plenty of water for at least 15 minutes. Get medical attention immediately.	In case of contact, immediately flush eyes with cool running water. Remove contact lenses and continue flushing with plenty of water for at least 15 minutes. Get medical attention immediately.
Skin contact	: In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention immediately. Wash clothing before reuse. Clean shoes thoroughly before reuse.	In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention immediately. Wash clothing before reuse. Clean shoes thoroughly before reuse.
Inhalation	: If inhaled, remove to fresh air. If exposed person is not breathing, give artificial respiration or oxygen applied by trained personnel. Get medical attention immediately.	If inhaled, remove to fresh air. If exposed person is not breathing, give artificial respiration or oxygen applied by trained personnel. Get medical attention immediately.
Ingestion	: If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention immediately.	If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention immediately.

5. Fire-fighting measures

Product AS SOLD

Hazardous thermal decomposition products : Decomposition products may include the following materials:
carbon dioxide
carbon monoxide
halogenated compounds

Fire-fighting media and instructions : Use an extinguishing agent suitable for the surrounding fire.

Dike area of fire to prevent runoff.

In a fire or if heated, a pressure increase will occur and the container may burst.

Special protective equipment for fire-fighters : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

6. Accidental release measures

	Product AS SOLD	Product AT USE DILUTION
Personal precautions	: Initiate company's spill response procedures immediately. Keep people out of area. Put on appropriate personal protective equipment (see section 8). Do not touch or walk through spilled material.	Initiate company's spill response procedures immediately. Keep people out of area. Put on appropriate personal protective equipment (see section 8). Do not touch or walk through spilled material.
Environmental precautions	: Avoid contact of spilled material and runoff with soil and surface waterways.	Avoid contact of spilled material and runoff with soil and surface waterways.

6. Accidental release measures

	Product AS SOLD	Product AT USE DILUTION
Methods for cleaning up	: Follow company's spill procedures. Keep people away from spill. Put on appropriate personal protective equipment (see section 8). Absorb/neutralize liquid material. Use a tool to scoop up solid or absorbed material and put into appropriate labeled container. Use a water rinse for final clean-up.	Follow company's spill procedures. Keep people away from spill. Put on appropriate personal protective equipment (see section 8). Absorb/neutralize liquid material. Use a tool to scoop up solid or absorbed material and put into appropriate labeled container. Use a water rinse for final clean-up.

7. Handling and storage

	Product AS SOLD	Product AT USE DILUTION
Handling	: Do not ingest. Do not get in eyes, on skin, or on clothing. Do not breathe vapor or spray. Keep container closed. Use only with adequate ventilation. Wash thoroughly after handling. Do not mix with bleach or other chlorinated products – will cause chlorine gas.	Do not ingest. Do not get in eyes, on skin, or on clothing. Do not breathe vapor or spray. Keep container closed. Use only with adequate ventilation. Wash thoroughly after handling.
Storage	: Keep out of reach of children. Keep container tightly closed. Do not store above the following temperature: 50°C	Keep out of reach of children. Keep container tightly closed.

8. Exposure controls/personal protection

	Product AS SOLD	Product AT USE DILUTION
Engineering measures	: Use only with adequate ventilation. If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. Provide suitable facilities for quick drenching or flushing of the eyes and body in case of contact or splash hazard.	Use only with adequate ventilation. If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. Provide suitable facilities for quick drenching or flushing of the eyes and body in case of contact or splash hazard.
Personal protection		
Eyes	: Use chemical splash goggles. For continued or severe exposure wear a face shield over the goggles.	Use chemical splash goggles. For continued or severe exposure wear a face shield over the goggles.
Hands	: Use chemical-resistant, impervious gloves.	Use chemical-resistant, impervious gloves.
Skin	: Use synthetic apron, other protective equipment as necessary to prevent skin contact.	Use synthetic apron, other protective equipment as necessary to prevent skin contact.
Respiratory	: Wear appropriate respirator when ventilation is inadequate and occupational exposure limits are exceeded.	Wear appropriate respirator when ventilation is inadequate and occupational exposure limits are exceeded.

Ingredient	Exposure limits
HYDROCHLORIC ACID	**ACGIH TLV (United States, 1/2009).** C: 2 ppm **OSHA PEL (United States, 11/2006).** CEIL: 7 mg/m³ CEIL: 5 ppm
BUTOXYETHANOL	**ACGIH TLV (United States, 1/2009).** TWA: 20 ppm 8 hour(s). **OSHA PEL (United States, 11/2006). Absorbed through skin.** TWA: 240 mg/m³ 8 hour(s). TWA: 50 ppm 8 hour(s).

9. Physical and chemical properties

	Product AS SOLD	Product AT USE DILUTION
Physical state	: Liquid.	Liquid.
Flash point	: > 100°C	> 100°C
Color	: Red. [Light]	pink
Odor	: Pungent.	Faint odor.
pH	: 1 to 1.1 [Conc. (% w/w): 100%]	1
Boiling/condensation point	: >100°C (>212°F)	
Relative density	: 1.04 to 1.06	
Solubility	: Easily soluble in the following materials: cold water and hot water.	

10. Stability and reactivity

Product AS SOLD

Stability : The product is stable. Under normal conditions of storage and use, hazardous polymerization will not occur.

Reactivity : Reactive or incompatible with the following materials: metals and alkalis. Do not mix with bleach or other chlorinated products – will cause chlorine gas.

Hazardous decomposition products : Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Hazardous polymerization : Under normal conditions of storage and use, hazardous polymerization will not occur.

11. Toxicological information

Potential acute health effects

	Product AS SOLD	Product AT USE DILUTION
Eyes	: Corrosive to eyes.	Corrosive to eyes.
Skin	: Corrosive to the skin.	Corrosive to the skin.
Inhalation	: Corrosive to the respiratory system.	Corrosive to the respiratory system.
Ingestion	: Causes burns to mouth, throat and stomach.	Causes burns to mouth, throat and stomach.

Product AS SOLD

Other adverse effects

Target organs : Contains material which may cause damage to the following organs: blood, kidneys, lungs, liver, lymphatic system, upper respiratory tract, central nervous system (CNS).

12. Ecological information

Ecotoxicity : Not reported

13. Disposal considerations

	Product AS SOLD	Product AT USE DILUTION
Waste disposal	: Avoid disposal. Attempt to use product completely in accordance with intended use. Disposal should be in accordance with applicable regional, national and local laws and regulations.	Avoid disposal. Attempt to use product completely in accordance with intended use. Disposal should be in accordance with applicable regional, national and local laws and regulations.
RCRA classification	: Unused product is D002 (Corrosive)	

14. Transport information

Certain shipping modes or package sizes may have exceptions from the transport regulations. The classification provided may not reflect those exceptions and may not apply to all shipping modes or package sizes.

Product AS SOLD
IMO/IMDG Classification

UN number	UN1789
Proper shipping name	HYDROCHLORIC ACID
Class	8
Packing group	II

See shipping documents for specific transportation information.

Product AT USE DILUTION
Not intended for transport.

15. Regulatory information

Product AS SOLD

HCS Classification : Corrosive material
Target organ effects

Product AT USE DILUTION
Corrosive material
Target organ effects

Product AS SOLD

U.S. Federal regulations

TSCA 8(b) inventory : All components are listed or exempted.

SARA 302/304/311/312 extremely hazardous substances: hydrochloric acid

SARA 302/304 emergency planning and notification: hydrochloric acid

SARA 313		Product name	CAS number	Concentration
Form R - Reporting requirements	:	2-butoxyethanol	111-76-2	5

California Prop. 65 : No listed substance

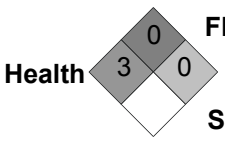
16. Other information

Product AS SOLD

Hazardous Material Information System (U.S.A.) :

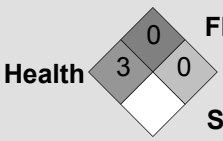
Health	*	3
Flammability		0
Physical hazards		0

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



Product AT USE DILUTION

Health	*	3
Flammability		0
Physical hazards		0



16. Other information

Date of issue : **08-June-2010**

Date of previous issue : **No previous validation**

Responsible name : **Compliance Services**
1-877-428-9937, menu option #6, then option #2

◤ Indicates information that has changed from previously issued version.

Notice to reader

The above information is believed to be correct with respect to the formula used to manufacture the product in the country of origin. As data, standards, and regulations change, and conditions of use and handling are beyond our control, NO WARRANTY, EXPRESS OR IMPLIED, IS MADE AS TO THE COMPLETENESS OR CONTINUING ACCURACY OF THIS INFORMATION.