

**MATERIAL SAFETY DATA SHEET**

Version Number: 4

Preparation date: 2009-04-08

1. PRODUCT AND COMPANY IDENTIFICATION

Product name: CROWBAR Ultra Stripper
MSDS #: MS0400132
Product Code: 4973900, 4973897
Recommended use: Industrial/Institutional. Floor care. This product is intended to be diluted prior to use.

Manufacturer, importer, supplier:

US Headquarters
Diversey, Inc.
8310 16th St.
Sturtevant, Wisconsin 53177-1964
Phone: 1-888-352-2249
MSDS Internet Address:
www.johnsondiverse.com

Canadian Headquarters
Diversey, Inc. - Canada, Inc.
2401 Bristol Circle
Oakville, Ontario L6H 6P1
Phone: 1-800-668-3131

Emergency telephone number: 1-800-851-7145 (U.S.); 1-651-917-6133 (Int'l)

2. HAZARDS IDENTIFICATION**EMERGENCY OVERVIEW**

- DANGER
- CORROSIVE
- CAUSES SKIN AND EYE BURNS
- HARMFUL OR FATAL IF SWALLOWED

Principle routes of exposure: Eye contact. Skin contact. Inhalation.
Eye contact: Corrosive. Causes permanent eye damage, including blindness.
Skin contact: Corrosive. Causes permanent damage.
Inhalation: May cause irritation and corrosive effects to nose, throat and respiratory tract.
Ingestion: Corrosive. Causes burns to mouth, throat and stomach.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient(s)	CAS #	Weight %
Benzyl alcohol	100-51-6	10 - 25%
2-butoxyethanol	111-76-2	5 - 10%
Sodium hydroxide	1310-73-2	1 - 5%
Monoethanolamine	141-43-5	10 - 25%

4. FIRST AID MEASURES

Eye contact: Immediately flush eyes with running water for 15-20 minutes, keeping eyelids open. Get medical attention immediately.

Skin contact: Immediately flush with plenty of water for 15-20 minutes. Get medical attention immediately.

Inhalation: If breathing is affected, remove to fresh air. Get medical attention immediately.

Ingestion: If swallowed, rinse mouth. Give a cupful of water or milk. THEN IMMEDIATELY CONTACT A PHYSICIAN OR POISON CENTER. DO NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person.

Aggravated Medical Conditions: Individuals with chronic respiratory disorders such as asthma, chronic bronchitis, emphysema, etc., may be more susceptible to irritating effects

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media:

The product is not flammable. Extinguish fire using agent suitable for surrounding fire.

Extinguishing media which must not be used for safety reasons:

No information available.

Special protective equipment for firefighters:

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

Specific hazards: Not applicable.

Unusual hazards: Corrosive material (See sections 8 and 10).

Specific methods: No special methods required.

NFPA

Health 3

Flammability 0

Instability 0

6. ACCIDENTAL RELEASE MEASURES

Personal precautions:

Put on appropriate personal protective equipment (see Section 8.).

Environmental precautions and clean-up methods:

Use appropriate containment to avoid environmental contamination. Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container. Keep in suitable and closed containers for disposal. Use a water rinse for final clean-up.

7. HANDLING AND STORAGE

Handling:

Avoid contact with skin, eyes and clothing. Do not taste or swallow. Avoid breathing vapors or mists. Use only with adequate ventilation. Remove and wash contaminated clothing and footwear before re-use. Wash thoroughly after handling. Product residue may remain on/in empty containers. All precautions for handling the product must be used in handling the empty container and residue. .
FOR COMMERCIAL AND INDUSTRIAL USE ONLY.

Storage:

Protect from freezing. Keep tightly closed in a dry, cool and well-ventilated place. KEEP OUT OF REACH OF CHILDREN.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering measures to reduce exposure:

Good general ventilation should be sufficient to control airborne levels. Respiratory protection is not required if good ventilation is maintained.

Personal Protective Equipment

Eye protection:

Chemical-splash goggles.

Hand protection:

Chemical-resistant gloves

Skin and body protection:

Protective footwear. If major exposure is possible, wear suitable protective clothing and footwear.

Respiratory protection:

In case of insufficient ventilation wear suitable respiratory equipment. A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.

Hygiene measures:

Handle in accordance with good industrial hygiene and safety practice.

HMIS

Health

3

Fire Hazard

0

Reactivity

0

Personal protective equipment



Ingredient(s)	ACGIH	OSHA	Mexico
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2-butoxyethanol	20 ppm (TWA)	Skin 240 mg/m ³ (TWA) 50 ppm (TWA)	75 ppm (STEL) 360 mg/m ³ (STEL) 26 ppm (TWA) 120 mg/m ³ (TWA)
Sodium hydroxide	2 mg/m ³ (Ceiling)	2 mg/m ³ (TWA)	2 mg/m ³ (Ceiling)
Monoethanolamine	6 ppm (STEL) 3 ppm (TWA)	3 ppm (TWA) 6 mg/m ³ (TWA)	6 ppm (STEL) 15 mg/m ³ (STEL) 8 mg/m ³ (TWA) 3 ppm (TWA)

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Liquid
Appearance: Liquid
pH: 13.2
Specific gravity: 1.05
Bulk density: No information available
Viscosity: No information available
Solubility: Completely Soluble

Color: Clear Colorless
Odor: Glycol Ether
Dilution pH: 12.34
 @ 1:4
Density: 8.76 1.05 Kg/L
Vapor density: No information available
Evaporation Rate No information available
VOC: 24.9 % *

Solubility in other solvents: No information available
Partition coefficient (n-octanol/water): No information available
Explosion limits:

Boiling point/range:	Not determined
Melting point/range:	Not determined
Flash point:	> 200 °F > 93.4 °C
Decomposition temperature:	Not determined
Autoignition temperature:	No information available
Elemental Phosphorus:	0 % by wt.

* - Title 17, California Code of Regulations, Division 3, Chapter 1, Subchapter 8.5, Article 2, Consumer Products, Sections 94508

10. STABILITY AND REACTIVITY

Stability: The product is stable.
Polymerization: Hazardous polymerization does not occur.
Materials to avoid: Acids. Strong oxidising agents.
Conditions to avoid: Do not mix with any other product or chemical .
Hazardous decomposition products: None reasonably foreseeable.

11. TOXICOLOGICAL INFORMATION

Hazardous Ingredients

Ingredient(s)	LD50 Oral - Rat (mg/kg)	LD50 Dermal - Rabbit	LC50 Inhalation - Rat
Benzyl alcohol	1230	2000 mg/kg	8.8 mg/L (4 h)
2-butoxyethanol	470	220 mg/kg	2.21 mg/L (4 h); 450 ppm (4 h)
Sodium hydroxide	140	1350 mg/kg	Not available
Monoethanolamine	1720	1 mL/kg	Not available

Acute toxicity: Corrosive Oral LD50 estimated to be between 1000 - 2000 mg/kg Dermal LD50 estimated to be > 2000 mg/kg

Chronic toxicity: None known.

Specific effects

Carcinogenic effects: None known.

Mutagenic effects:	None known.
Reproductive toxicity:	None known.
Target organ effects:	None known.

12. ECOLOGICAL INFORMATION

Environmental Information: No data available.

13. DISPOSAL CONSIDERATIONS

Waste from residues / unused products:

Undiluted product is regulated under environmental and transportation laws as a corrosive waste. Dispose of in compliance with all Federal, state, provincial, and local laws and regulations.

14. TRANSPORT INFORMATION

DOT/TDG: Please refer to the Bill of Lading/receiving documents for up to date shipping information .

15. REGULATORY INFORMATION

International Inventories

All components of this product are listed on the following inventories: U.S.A. (TSCA), Canada (DSL/NDL).

U.S. Regulations

California Proposition 65: This product is not subject to the reporting requirements under California's Proposition 65.

Right To Know (RTK)

Ingredient(s)	CAS #	MARTK:	NJRTK:	PARTK:	RIRTK:
Benzyl alcohol	100-51-6	X	X	X	-
2-butoxyethanol	111-76-2	X	X	X	X
Sodium xylene sulfonate	1300-72-7	-	-	-	-
Sodium hydroxide	1310-73-2	X	X	X	X
Monoethanolamine	141-43-5	X	X	X	X
Water	7732-18-5	-	-	-	-

CERCLA/ SARA

Ingredient(s)	Weight %	CERCLA/SARA RQ (lbs)	Section 302 TPQ (lbs)	Section 313
2-butoxyethanol 111-76-2	5 - 10%			X
Sodium hydroxide 1310-73-2	1 - 5%	1000		

Component	CAA HAP	CAA ODS	CWA Priority Pollutants
2-butoxyethanol 111-76-2 (5 - 10%)	X		

SARA 311/312 Hazard Categories

Immediate: X
Delayed: -
Fire: -
Reactivity: -
Sudden Release of Pressure: -

Canada

WHMIS hazard class: E Corrosive material



16. OTHER INFORMATION

Reason for revision: Not applicable

Prepared by: NAPRAC

Additional advice: None

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