



MATERIAL SAFETY DATA SHEET

#1700, 407 2ND STREET S.W., CALGARY, ALBERTA T2P 2Y3
TELEPHONE: (403) 269-2242 FAX: (403) 269-2251
1-613-996-6666 – CANUTEC – Transportation Emergency
1-888-243-9771 – ChExSS – Chemical Exposure

CLEAN UP

SECTION I: IDENTIFICATION OF PRODUCT

Product Name: CLEAN UP

Chemical Family: Mixture

WHMIS Classification: D2B

Workplace Hazard: May cause severe irritation. May cause skin and respiratory tract irritation, May be harmful if absorbed through skin. Vapor or mists may cause central nervous system effects if inhaled.

Product Use: Surfactant

TDG Classification: Not Regulated

Packaging Group: Not applicable

PIN: Not applicable

SECTION II: INFORMATION ON INGREDIENTS

Ingredients	Percent	CAS Number	LD ₅₀ (Species/Route)	LC ₅₀ (Species/Route)
Water	60-100	7732-18-5		
Surfactant	5-15			
Surfactant	5-10			
Glycol ether	5-10		5.4 g/kg (rat/oral); 5.1 g/kg (rabbit/dermal)	>400 ppm/7H (rat / inhalation)
Ethoxylated alcohols	5-10			
Diethanolamine	0-5	111-42-2	0.45 - 1.85 ml/kg (rat); 5.05 - 13.6 ml/kg (dermal) (24H occluded)	

SECTION III: TOXICOLOGICAL PROPERTIES

Route of entry: Skin Eye Contact Inhalation Ingestion

May cause severe eye irritation. May cause skin and respiratory tract irritation. May be harmful if absorbed through skin. Vapors or mists may cause central nervous system (CNS) effects if inhaled.

Effects of acute exposure:

This product may release ammonia or amines when heated or exposed to high pH. Ammonia is a severe eye, skin and respiratory irritant. Ammonia has a very strong odor and can be detected at levels as low as 5 ppm. Many amines are also eye, skin and respiratory irritants.

- **Eye Contact:** May cause severe eye irritation.
- **Skin Contact:** May be irritating to the skin. May be harmful if absorbed through skin.
- **Inhalation:** Vapors or mists may be irritating to the respiratory tract. Overexposure to vapors and mists which may be released at high temperatures may cause central nervous system (CNS) effects and respiratory tract irritation.
- **Ingestion:** May cause gastric distress, nausea and vomiting if ingested.



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Effects of chronic exposure: Not available

Exposure limits:

Ingredients	ACGIH TLV	OSHA PEL	OTHER	NOTES
Water	NA	NA	NA	None
Surfactant	NA	NA	NA	None
Surfactant	NA	NA	NA	(6)
Glycol ether	100 ppm	100 ppm	NA	(skin)
Ethoxylated alcohols	NA	NA	NA	none
Diethanolamine	1 mg/m ³	NA	NA	(skin) (6)

Notes:

(6) Ammonia or amines may be released when this component is heated or exposed to high pH. The recommended exposure limits for ammonia are ACGIH TLV 25 ppm and OSHA PEL 50 ppm. No general recommended exposure limit is available for amines. A NIOSH/MSHA approved respirator with ammonia/methylamine cartridges should be used to protect against ammonia or amine inhalation exposure.

Irritancy of product: May cause severe eye irritation. May cause skin and respiratory tract irritation. May be harmful if absorbed through skin. Vapors or mists may cause central nervous system (CNS) effects if inhaled.

Sensitization to product: Not determined

Carcinogenicity: Not determined

Reproductive toxicity: Not determined

Teratogenicity: Not determined

Mutagenicity: Not determined

Name of toxicological synergistic products: Not determined

SECTION IV: FIRST AID MEASURES

Skin contact: Wash skin thoroughly with soap and water. Remove contaminated clothing and launder before reuse. Get medical attention if any discomfort continues.

Eye contact: Promptly wash eyes with lots of water while lifting eye lids. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

Inhalation: Move person to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Ingestion: Dilute with 2 - 3 glasses of water or milk, if conscious. Never give anything by mouth to an unconscious person. If signs of irritation or toxicity occur seek medical attention



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SECTION V: PHYSICAL DATA

Physical state: Liquid

Appearance and odour: Clear yellow. Ammoniacal odour

Odour threshold: Not determined

Specific gravity (°C): 1.008 at 68F (20C)

Vapor pressure (mmHG): Not determined

Vapor density (Air=1): Not determined

Evaporation rate: Not determined

Boiling point (°C): Not determined

Freeze/Melting point (°C): Not determined

pH (%): 8.3

Solubility (Water): Soluble

SECTION VI: FIRE AND EXPLOSION DATA

Conditions of flammability: Not available

Means of extinguishing: Water fog, carbon dioxide, foam, dry chemical

Flash point: >210 °F (98.9 °C) PMCC

Upper flammable limit: Not determined

Lower flammable limit: Not determined

Auto-ignition temperature: Not determined

Hazardous combustion products: Oxides of: Sulfur. Carbon. Nitrogen. Ammonia or amines.

Explosion data-sensitivity to mechanical impact: Not applicable

Explosion data-sensitivity to static discharge: Not applicable

“dedicated to exceeding customer expectations”



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SECTION VII: REACTIVITY DATA

Chemically unstable (conditions): Stable.

Product incompatible with: Oxidizers. Alkalies, acids

Conditions of reactivity: Keep away from heat, sparks and flame.

Hazardous decomposition products: Oxides of: Sulfur. Carbon. Nitrogen. Ammonia or amines.

SECTION VIII: PREVENTATIVE MEASURES

Personal protective equipment: Wear chemical safety goggles. Wear appropriate clothing to prevent repeated or prolonged skin contact. Wear chemical resistant gloves such as nitrile or neoprene.

If exposed to airborne mist/aerosol of this product, use at least a NIOSH-approved N95 half-mask disposable or re-usable particulate respirator. In work environments containing oil mist/aerosol, use at least a NIOSH-approved P95 half-mask disposable or reusable particulate respirator.

This product contains nitrogen compounds which may, in some circumstances, form ammonia or amine compounds. If exposed to ammonia or amine compounds from this product use a NIOSH/MSHA-approved respirator with an Ammonia/Methylamine cartridge.

Work clothes should be washed separately at the end of each work day. Disposable clothing should be discarded, if contaminated with product.

Specific engineering controls: Local exhaust ventilation as necessary to maintain exposures to within applicable limits.

Procedures for leak/spills: Evacuate surrounding area, if necessary. Keep personnel removed and upwind of spill. Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Shut off leak if it can be done safely. Spilled product is very slippery. Contain spilled material. Absorb in vermiculite, dry sand or earth. Place into containers for disposal. Do not allow to enter sewer or surface and subsurface waters.

Waste disposal: Waste must be disposed of in accordance with federal, state/provincial and local laws. Recover and reclaim or recycle, if practical. Should this product become a waste, dispose of in a permitted industrial landfill. Ensure that the containers are empty by the RCRA criteria prior to disposal in a permitted industrial landfill.

Handling procedures and equipment: Put on appropriate personal protective equipment. Avoid contact with skin and eyes. Avoid breathing vapors or spray mists. Spilled product is very slippery. Use only in a well ventilated area. Wash thoroughly after handling.

Storage requirements: Store in dry, well-ventilated area. Keep container closed. Keep away from heat, sparks and flames. Store away from incompatibles. Follow safe warehousing practices regarding palletizing, banding, shrink-wrapping and/or stacking.

Special shipping information: Not applicable



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SECTION IX: PREPARATION

Date updated: April 1, 2010

Prepared by: Product Safety Committee

All the recommendations and suggestions herein concerning this product are based upon tests and data believed to be reliable, however it is the user's responsibility to determine the safety, toxicity and sustainability for their own use of the product described herein. Since the actual use by others is beyond our control, no guarantee, expressed or implied, is made by Q'Max Solutions Inc. as to the effects of such use, the results to be obtained, or the safety and toxicity of the product nor does Q'Max Solutions Inc. assume any liability arising out of use by others. Nor is the information herein to be considered as absolutely complete since additional information may be necessary or desirable when particular or exceptional conditions or circumstances exist or because of applicable laws or government regulations.