



SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Common Name: VIBROBRITE 261
Chemical Name: AMIDE MIXTURE
Chemical Family: ALKANOLAMIDE
Preparation Date: 8/26/2015
Last Revision Date: 4/12/2018

Manufacturer's Name & Address

Roberts Chemical Co., Inc.
 330-B Victor Road
 Attleboro, MA 02703
 TEL: 508-409-0220
 FAX: 508-222-2752
www.robertschem.com

Emergency Telephone Number:

CHEMTREC 24-HourToll Free (800) 424-9300

SECTION 2: HAZARD(S) IDENTIFICATION

HAZARD RATING	NFPA			
	HEALTH	FLAMMABILITY	REACTIVITY	CONTACT
4 = EXTREME				
3 = SEVERE	1	0	0	0
2 = MODERATE				
1 = SLIGHT				
0 = UNKNOWN				

GHS Label elements, including precautionary statements



Pictogram:

Signal Word: DANGER

Hazard Category: Skin Corrosion/Irritation Hazard Category 2

Eye Damage/Irritation Hazard Category 2A

Carcinogenicity Hazard Category 2

Hazard Statements: Causes serious eye irritation.

Suspected of causing cancer.

Causes skin irritation.

Prevention: Wash skin thoroughly after handling.

Wear rubber gloves, goggles and chemical protective clothing.

Obtain special instruction before use.

Do not handle until all safety precautions have been read and understood.

Response: If on skin: Wash with plenty of water.

Take off contaminated clothing and wash it before reuse.

If skin irritation occurs: Get Medical advice/attention.



Specific treatment - refer to poison center or doctor for advice.

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Immediately call poison center or doctor and explain the type of exposure to the chemical(s) and provide the name of the chemical(s).

If exposed or concerned: Get medical advice/attention.

Disposal: Dispose of contents/container in accordance with local, regional, national, or international regulations.

Components with Unknown Acute Toxicity: Oral = 78% Dermal = 78%

SECTION 3: COMPOSITION/ INFORMATION ON INGREDIENTS			
CHEMICAL NAME	COMMON NAME	CAS NO.	CONCENTRATION %
Ethylene Glycol Butyl Ether	-	111-76-2	~3%
Diethanolamine	-	111-42-2	~2%
Nitrilotriacetic acid trisodium salt	-	18662-53-8	~2%
Triethanolamine	Trolamine	102-71-6	~5%
Cocamide DEA	-	68603-42-9	~5%

SECTION 4: FIRST-AID MEASURES

After Inhalation:

Remove exposed person to fresh air and support breathing as needed.

After Skin Contact:

Immediately remove contaminated clothing under a safety shower. Flush all affected areas with large amounts of water for 15 minutes. DO NOT attempt to neutralize with chemical agents.

Obtain medical advice.

After Eye Contact:

Immediately flush with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do so. Continue rinsing. Call a physician or poison control center immediately.

After Ingestion:

Call a physician or poison control center immediately. Do not induce vomiting. Immediately rinse mouth and drink plenty of water. If vomiting occurs, keep head low so that the stomach content doesn't get into the lungs. Never give anything by mouth to an unconscious person. Do not use mouth-to-mouth method if victim ingested the substance.

Most Important Symptoms/Effects

Inhalation:

Symptoms may include irritation to the nose, throat and upper respiratory tract.

Eye:

Adverse symptoms may include the following: Symptoms may include redness, pain, blurred vision, eye burns and permanent eye damage.



Skin:

Adverse symptoms may include the following: May cause redness, pain and severe skin burns.

Ingestion:

Adverse symptoms may include the following: Symptoms may include severe burns of the mouth, throat and stomach. Ingestion of large quantities may cause gastrointestinal irritation, vomiting and diarrhea.

SECTION 5: FIRE-FIGHTING MEASURES

Suitable and Unsuitable extinguishing media:

Will not burn or support combustion. Use extinguishing media appropriate for surrounding fire, such as water spray, dry chemical, foam or carbon dioxide.

Special protective equipment and precautions for firefighter:

Fire fighters should enter area only if they are protected from all contact with the material. Full protective clothing, including self-contained breathing apparatus, coat, pants, gloves, boots and bands around legs, arms, and waist, should be worn. No skin surfaces should be exposed.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, & Emergency Proc: Wear chemical goggle, gloves and face shield and protective clothing. Prevent spilled product from drains, sewers, waterways and soil.

Methods and Materials for Containment & cleaning up: Absorb the chemical onto sand, vermiculite, or any other non-combustible absorbent, and collect into containers for later disposal.

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling: Avoid breathing dust, fumes, gas, mist, vapors and sprays. Wash hands thoroughly after handling.

Do not get in eyes, or on skin, or on clothing.

Conditions for safe storage, inc any incompatibilities:

Keep container tightly closed.

Store away from incompatible materials. (See section 10).

Store in corrosive resistant container.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Ventilation: Use local exhaust to keep personal exposures below the OSHA Permissible Exposure Limit (s)

(PEL) or the ACGIH threshold Limit Values (TLV)Time Weight Average (TWA).

Respiratory Protection: Not required if proper ventilation controls are employed.

Protective Gloves: Acid resistant rubber.

Eye Protection: Wear chemical safety goggles.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Water like

Odor: Mild odor

Odor Threshold: N/A



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PH: 9.5-10

Melting Point/Freezing Point: N/A

Initial Boiling Point and Boiling N/A

Range:

Flash Point: N/A

Evaporation Rate: N/A

Flammability (solid, gas): N/A

Upper/Lower flammability or N/A

explosive limits:

Vapor Pressure: N/A

Vapor Density: N/A

Relative Density: 1.01

Solubility (ies): Complete in water

Partition Coefficient; N/A

n-octanol/water:

Auto-ignition Temperature: N/A

Decomposition Temperature: N/A

Viscosity: N/A

SECTION 10: STABILITY AND REACTIVITY

Reactivity: No specific test data related to reactivity available to this product or its ingredients.

Chemical Stability: Stable under normal conditions Corrosive in presence of steel

Possibility of Hazardous Reactions: Reacts violently with strong bases. Contact with metals may release flammable hydrogen gas.

Conditions to Avoid: Extreme humidity, excess heat.

Incompatible Materials: Avoid contact with strong oxidizers and strong acids.

Hazardous Decomposition Products: Oxides of carbon and nitrogen, hydrocarbons, and acid vapors and fumes.

SECTION 11: TOXICOLOGICAL INFORMATION

Oral Administration: Nitriolotriacetic Acid Trisodium Salt-LD50(Rat)-1450 mg/kg

Oral Administration: Ethylene Glycol monobutyl ether-LD50(Rat)-1300 mg/kg

Dermal administration: Nitriolotriacetic Acid Trisodium Salt-LD50(Rabbit)->10,000 mg/kg

Immediate effects: Irritation or burns to skin, eyes and respiratory system

Ethylene Glycol Monobutyl Ether-In animals, effects have been reported on the following organs: blood(hemolysis) and secondary effects on the kidney and liver. HUMAN red blood cells have been shown to be significantly less sensitive than those of rodents and rabbits.

Long term exposure: Nitriolotriacetic Acid Trisodium salt-IARC Group 2B-possibly carcinogenic to humans, Listed by NTP as reasonably anticipated to be human carcinogens.

Cancer Hazard: Diethanolamine-IARC-Group 2B -Possibly carcinogenic to humans

Routes of Exposure Eyes, Skin, Inhalation, Ingestion

SECTION 12: ECOLOGICAL INFORMATION

Lepomis macrochirus, Nitriolotriacetic acid trisodium salt-LC50-312 mg/l - 96 h

Crustations, Daphnia magna, no data available

Daphnia Magna, Nitriolotriacetic acid trisodium salt-EC50-780 mg/l 48 h



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Daphnia Magna, Diethanolamine-EC50-55 mg/L 48 h

Persistence and Not Available

Degradability:

Bioaccumulation potential: Not known

Soil/Sediment Result: Pronounced solubility and mobility

Other adverse effects(such as hazardous to the ozone layer): Not known

SECTION 13: DISPOSAL CONSIDERATIONS

Waste must be disposed of in accordance with federal, state and local environmental control regulations.

SECTION 14: TRANSPORTATION INFORMATION

PROPER SHIPPING NAME: Not DOT regulated.

HAZARDOUS CLASSIFICATION: N/A

IDENTIFICATION NUMBER: N/A

PKG GROUP: N/A

SECTION 15: REGULATORY INFORMATION

Sara Hazard Classification: Diethanolamine-SARA 313 listed

Sara Hazard Classification: Ethylene Glycol Monobutyl Ether -SARA 313 listed (Glycol Ether)

SECTION 16: OTHER INFORMATION

All information, recommendations and suggestions appearing herein concerning this product are based upon data believed to be reliable; however, it is the user's responsibility to determine the safe handling and suitability for the use of the product described herein. Since the actual use by others is beyond our control, no guarantee, expressed or implied, is made by **Roberts Chemical** as to the effects of such use, the results obtained, or the safety and toxicity of the product, nor does **Roberts Chemical** per se assume any liability arising out of use, by others, of the product referred to herein. Nor is the information herein to be construed as absolutely complete since more information may be desirable or necessary when particular or exceptional conditions or circumstances exist, or because of applicable laws or government regulations.