



INVENTED TO LAST

كيماويات السعودية

Saudi Chem

HAZM 801

BIO-DESCALANT

MATERIAL SAFETY DATA SHEET

SECTION 1:
 Identification of the product

PRODUCT: HAZM 801
BIO-DESCALANT

Product Code: SC-707A

Manufacturer: Saudi Chem Co.
Address: P.O. Box 70108
Al Khobar 31952
Kingdom of Saudi Arabia

Telephone: +966 13 812 1166 | +966 13 847 6467
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SECTION 2:
 Composition/Information on ingredients

Chemicals	CAS Number	Concentration
2-hydroxy-1,2,3-propanecarboxylic acid	77-92-9	50 %
Water	7732-18-5	50 %

SECTION 3:
 Hazards Identification

Emergency Overview Warning! Causes severe eye irritation. Causes irritation to skin and respiratory tract.

Inhalation Causes irritation to the respiratory tract. Symptoms may include coughing, shortness of breath.

Ingestion Causes irritation to the gastrointestinal tract. Symptoms may include nausea, vomiting and diarrhea. Extremely large oral dosages may produce gastrointestinal disturbances. Calcium deficiency in blood may result in severe cases of ingestion.

Skin Contact Causes irritation to skin. Symptoms include redness, itching, and pain.

Eye Contact Highly irritating

Chronic Exposure Chronic or heavy acute ingestion may cause tooth enamel erosion.

Aggravation of Pre-existing Conditions No adverse health effects expected.

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

Ingestion Induce vomiting immediately as directed by medical personnel. Never give anything by mouth to an unconscious person.

Skin Contact Immediately flush skin with plenty of water for at least 15 minutes. Remove contaminated clothing and shoes. Get medical attention. Wash clothing before reuse. Thoroughly clean shoes before reuse.

Eye Contact Immediately flush eyes with plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Get medical attention immediately.

Fire Autoignition temperature: 1011C (1852F) As with most organic solids, fire is possible at elevated temperatures or by contact with an ignition source.

Fire Extinguishing Media Water spray, dry chemical, alcohol foam, or carbon dioxide.

Special Information In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full-face piece operated in the pressure demand or other positive pressure mode.

SECTION 4:
 First Aid Measures

SECTION 5:
 Fire Fighting Measures

SECTION 6:
 Accidental Release Measures

Ventilate area of leak or spill. Wear appropriate personal protective equipment as specified in Section 8. Spills: Sweep up and containerize for reclamation or disposal. Vacuuming or wet sweeping may be used to avoid dust dispersal.

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SECTION 7:
 Handling and Storage

Keep in a tightly closed container, stored in a cool, dry, ventilated area. Protect against physical damage. Containers of this material may be hazardous when empty since they retain product residues (dust, solids); observe all warnings and precautions listed for the product.

SECTION 8:
 Exposure Controls/
 Personal Protection
Airborne Exposure Limits

None established.

Ventilation System

A system of local and/or general exhaust is recommended to keep employee exposures below the Airborne Exposure Limits. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area. Please refer to the ACGIH document, "Industrial Ventilation, A Manual of Recommended Practices", most recent edition, for details.

Personal Respirators (NIOSH Approved)

For conditions of use where exposure to the mist is apparent, a half-face dust/mist respirator may be worn. For emergencies or instances where the exposure levels are not known, use a full-face positive-pressure, air-supplied respirator. WARNING: Air-purifying respirators do not protect workers in oxygen-deficient atmospheres.

Skin Protection

Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact.

Eye Protection

Use chemical safety goggles and/or full-face shield where dusting or splashing of solutions is possible. Maintain eye wash fountain and quick-drench facilities in work area.

SECTION 9:
 Physical and Chemical
 Properties

Appearance Pale yellow liquid

Odor Odorless.

Solubility Completely soluble in water

Specific Gravity 1.15

pH 1.0

**% Volatiles by volume
@ 21C (70F)** 0

Stability Stable under ordinary conditions of use and storage.

**Hazardous
Decomposition**

Products Carbon dioxide and carbon monoxide may form when heated to decomposition.

**Hazardous
Polymerization
Incompatibilities**

Will not occur.

Metal nitrates (potentially explosive reaction), alkali carbonates and bicarbonates, potassium tartrate. Will corrode copper, zinc, aluminum and their alloys. Heat, flames, ignition sources and incompatibles.

Conditions to Avoid

Oral rat LD50 3 g/kg
Irritation skin rabbit 500 mg/24H mild
Eye rabbit 750 ug/24H severe

Environmental Fate No information found.
Environmental Toxicity No information found.

SECTION 10:
 Stability and Reactivity

SECTION 11:
 Toxicological Information

SECTION 12:
 Ecological Information

SECTION 13:
 Disposal Considerations

Whatever cannot be saved for recovery or recycling should be handled as hazardous waste and sent to a RCRA approved waste facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of containers and unused contents in accordance with federal, state and local requirements.

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SECTION 14: Transport Information

Domestic Not regulated.
International
(Water, I.M.O.) Not regulated.

SECTION 15: Regulatory Information

No Information Available

SECTION 16: Other Information

NFPA Ratings Health: 2
Flammability: 1
Reactivity: 0

Label Hazard Warning Warning! Causes severe eye irritation. Causes irritation to skin and respiratory tract.

Label Precautions Avoid contact with eyes, skin and clothing.
Avoid breathing dust.
Keep container closed.
Use only with adequate ventilation.
Wash thoroughly after handling.

Label First Aid In case of contact, immediately flush eyes or skin with plenty of water for at least 15 minutes. Remove contaminated clothing and shoes. Wash clothing before reuse. If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. In all cases, get medical attention.