



INVENTED TO LAST

كيماويات السعودية

Saudi Chem

HAZM 600

META-KLEEN

MATERIAL SAFETY DATA SHEET

**SECTION 1:
CHEMICAL PRODUCT AND
COMPANY IDENTIFICATION**

PRODUCT: HAZM 600
META-KLEEN

Product Code: SC-705

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

Telephone: +966 13 812 1166 | +966 13 847 6467

Fax: +966 13 847 6985

Email: solutions@saudichem.com

**SECTION 2:
COMPOSITION / INFORMATION
ON INGREDIENTS**

Chemicals	CAS Number	Concentration
Orthophosphoric Acid	7664-38-2	30 – 60%
2-butoxyethanol	111-76-2	5 – 10%
Nonionic Surfactant	Proprietary	1 – 5%
Inert Ingredient	None	Balance

**SECTION 3:
HAZARD IDENTIFICATION**

Major Hazards Irritation of respiratory system, irritation or burning of skins and eyes during prolong contact. Injuries might be severe if hot.

Specific Hazards Corrosive.

**SECTION 4:
FIRST AID MEASURES**

Inhalation Move the victim to fresh air. Restore breathing if required. Oxygen can be given under proper supervision. Get medical assistance immediately.

Skin Contact Wash affected areas thoroughly with much water. Remove contaminated clothing under safety shower and prolong washing to 15 mins. Get medical assistance.

Eye Contact Flush thoroughly the eye and eyelids with running water for at least 15 mins. Call a physician immediately.

Ingestion Do not induce vomiting. If conscious give a little water and take the victim immediately to the hospital.

**SECTION 5:
FIRE FIGHTING MEASURES**

Extinguishing Media In case of fire, use any extinguishing agent that is suitable for surrounding fire. Do not use a direct water stream.

Specific Methods Use a water spray to cool fire-exposed containers to prevent rupture. Implement standard procedures for chemical fires.

Special Protection Use self-contained breathing apparatus and protective clothing.

**SECTION 6:
ACCIDENTAL RELEASE
MEASURES**

Personal Precaution Wear full protective clothing, boots, gloves, goggles and self-contained breathing apparatus.

Environmental Precautions Contain spill with soil or non-combustible absorbent material. Do not flush into surface water or sanitary sewer system.

Methods for Cleaning-up

Large quantity: remove product immediately and store in suitable drums.

Small quantity: neutralize remaining material carefully with lime, sodium bicarbonate or soda ash. Collect neutralized material into suitable containers for disposal.

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SECTION 7:
HANDLING AND STORAGE**Follow instructions in handling corrosive material.****Handling Technical Precautions**

Provide sufficient air exchange and exhaust in workrooms. Take normal precautions for corrosive chemicals.

Storage

Store containers in clean, cool ventilated areas and protect them from damage or breakage. Keep out of the sun, oxidizing agents and alkaline materials. Area should have acid resistant floor and approved drainage. Use non-sparking tools in areas around tanks and pipes where hydrogen might be generated.

Packaging

Materials Polyethylene drums

SECTION 8:
EXPOSURE CONTROLS /
PERSONAL PROTECTION**Ventilate at floor level. Provide general and/or local exhaust.****Engineering Measures** ventilation when misting can occur.**Hygiene Measures** Emergency showers and eyewash fountains should be available.**Hand Protection** Rubber gloves.**Eye Protection** Face shield**Skin and Body Protection**

Protective clothing and equipment.

SECTION 9:
PHYSICAL AND CHEMICAL
PROPERTIES**Physical Appearance** Liquid**Colour** Colourless to light amber liquid**Odour** Faintly aromatic**pH** 1.5**Relative Density**
(Water = 1) 1.37**Flash Point** None**Lower Explosion** Limit Not applicable**Upper Explosion** Limit Not applicable**Water Solubility (20°C)** Completely solubleSECTION 10:
STABILITY AND REACTIVITY**Stability** Stable at normal conditions.**Conditions to Avoid** Heating, open flames, sparks, alkaline materials**Hazardous Decom.****Products** Toxic gases and vapors may be released.SECTION 11:
TOXICOLOGICAL INFORMATION**Inhalation**

Coughing, headache, nausea. Vapors and mist are corrosive to nose, throat and mucous membranes.

Skin Contact

Irritation and burns, dryness and cracking. Solvent may be absorbed through the skin. Dermatitis might occur after prolong contact.

Eye Contact

Irritation and burns. No permanent damage expected if treated immediately.

Ingestion Nausea, difficulty in breathing, shock, abdominal pain, convulsions and collapse. Danger of very serious irreversible effects.

SECTION 12:
ECOLOGICAL INFORMATION**Ecotoxicity Effects** Contaminates water severely. Nutrient for undesirable algae.**Further Information** Disposal into sewers or watercourses is not allowed as the phosphate may persists indefinitely.SECTION 13:
DISPOSAL CONSIDERATION**Waste from Residues**

Neutralized waste can be buried in an approved land fill or incineration of the product subject to local and international legislation.

Contaminated Packaging

Subject to disposal procedures as above.

SECTION 14:
TRANSPORT INFORMATION**IMO/IMDG****Class****Proper Shipping Name** Inhibited Hydrochloric Acid 31%**ICAO/IATA****Class****Proper Shipping Name** Inhibited Hydrochloric Acid 31%

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SECTION 15: REGULATORY INFORMATION

Symbol (s) C – Corrosive

R-Phrase (s)

S-Phrase (s)

SECTION 16: OTHER INFORMATION

Legislation

This MSDS complies with EEC directives 91/155/EEC.

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This product should be stored, handled and used in accordance with good industrial hygiene and in conformity with any legal regulation. The information contained herein relates only to the specific material identified. Saudi Chem believes that such information is accurate and reliable as of the date of this material safety data sheet, but no representation, guarantee or warranty, express or implied, is made as to the accuracy, reliability, or completeness of the information. It should not therefore be construed as guaranteeing specific properties. Persons receiving this information should make their own determination as to the information's suitability and completeness for their particular application.

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