

A. GUR TECHNOLOGIES

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MSDS - Material Safety Data Sheet

1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Name: **SX - 5**

Scale remover, Low-pH compound.

Company Identification: A. Gur Technologies, Israel.

For information call: -972 3 6492053 \ Fax -972 3 6482892

Emergency Number: Local Health Authority.

2 - COMPOSITION, INFORMATION ON INGREDIENTS

Mixture of acids . Risk Phrases: 8 - CORROSIVE

Phosphoric Acid - H3P04 , CAS No. 7664-38-2 , EC No. 2316332

Hydrochloric acid - HCl , CAS No. 7647-01-0 , EC No. 2315957

Non-hazardous detergent

3 - HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Corrosive compound. May be harmful if swallowed. Moderate Toxic.

Causes eye and skin irritation & burns.

Sub risk : Corrosive.

Potential Health Effects -

Eye: Causes eye burns & eye damage.

Skin: Causes skin burns or irritation.

Ingestion: large amounts may cause symptoms of abdominal pain, vomiting, and diarrhea.

Moderate toxic.

Inhalation: May cause respiratory tract irritation.

4 - FIRST AID MEASURES

Eyes:

Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower lids. Get medical aid.

Skin:

Flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes.

Get medical aid if irritation develops or persists.

Ingestion:

Drink plenty of water. Get medical aid. Do not induce vomiting.

Inhalation:

Remove to fresh air. If not breathing, give artificial respiration.

If breathing is difficult, give oxygen.

Get medical attention immediately.

5 - FIRE FIGHTING MEASURES

Non combustible compound.

Use suitable extinguishing media - Water spray, CO2, Foam.

Wear appropriate protective clothing.

Mount respiratory protective device, if necessary.

When heated to decomposition, may emit toxic fumes of PO_x & Cl.

6 - ACCIDENTAL RELEASE MEASURES

Use proper personal protective clothing & equipment.

Ventilate area of spill.

Spills: Dilute with a large amount of water & alkaline neutralizers.

Spills/Leaks: Absorb & collect spill in suitable disposal container.

Cleanup affected area.

7 - HANDLING and STORAGE

Handling:

Handle with care. Wash thoroughly after handling.

Avoid contact with skin and eyes. Avoid breathing.

Avoid contact with clothing.

Storage:

Do not store near strong alkaline.

Store in a tightly closed container.

**Store in a cool, dry, well-ventilated area ,
away from incompatible substances as explosives.**

8 - EXPOSURE CONTROLS, PERSONAL PROTECTION

Engineering Controls:

Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits.

Exposure Limits-

OSHA PEL: TWA 1 mg/m³

ACGIH TLV: TWA 1 mg/m³

STEL: 3 mg/m³

Personal Protective Equipment –

Eyes: Wear safety goggles or face shield.

**Maintain eye wash fountain and quick-drench facilities
in work area.**

Skin: Wear appropriate rubber gloves to prevent skin exposure.

**Clothing: Wear appropriate protective clothing to avoid
contact with skin and rubber \ PVC Apron & boots.**

**Respirators: A NIOSH/MSHA approved air purifying dust or mist
respirator or European Standard EN 149.**

9 - PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	liquid
Appearance:	Brown to light Brown
Odor:	acidic
pH:	0 - 1
Vapor Pressure:	ab. 1 mm at 20 cen grade
Boiling Point:	> 100 c.g
Evaporation rate	< 1 (BuAc = 1)
Flash Point :	Not Applicable
Solubility:	Soluble in water
Specific Gravity/Density:	1.50 kg/dm ³

10 - STABILITY AND REACTIVITY

Normally stable.

Conditions to Avoid: Incompatible materials, sunlight & heat.

Incompatibilities with Other Materials: Strong Alkaline products.

Hazardous Polymerization: Will not occur.

If heated to decomposition, will emit toxic fumes of PO_x & Cl.

11 - TOXICOLOGICAL INFORMATION

Human poison by an unspecified route. Moderate toxic .

LD50 (oral , rat) = 1.5 gr \ body weight

IARC carcinogenic category - none

Epidemiology: No data available.

12 - ECOLOGICAL INFORMATION

Do not allow compound to reach ground water sources.

Hazardous to drinking water.

Must not reach sewage water or drainage ditch undiluted or un-neutralized.

13 - DISPOSAL CONSIDERATIONS

Dilute with water.

Dispose of in a manner consistent with local regulations.

Transfer to a licensed disposal contractor.

14 - TRANSPORT INFORMATION**US DOT - domestic**

Shipping Name: Corrosive liquid, UN Number: 1760
Hazard Class: 8. Packing Group: III

IMO - international

Shipping Name: Corrosive liquid, UN Number: 1760
Hazard Class: 8. Packing Group: III

IATA - air

Shipping Name: Corrosive liquid, UN Number: 1760
Hazard Class: 8. Packing Group: III

RID/ADR - rail, road

Shipping Name: Corrosive liquid, UN Number: 1760
Hazard Class: 8. Packing Group: III

15 - REGULATORY INFORMATION

Reported \ included on the EPA TSCA inventory list.

Community Right To Know list.

Label: - Corrosive 8

Risk Phrase: 23 - 25, 34- 37

Safety Phrase: 26 - 45, 60

Hazchem code: 2R.

16 - ADDITIONAL INFORMATION

According to EC Directive 91/155/EEC.

MSDS Creation Date: 2001. Amendment, by d.k. Revision: 2, 07\2006.

The information above is believed to be accurate & represents the best information currently available to us.

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