

SCALEX 10

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Date prepared: 7 November, 2016  
MSDS : SCALEX 10 SDS GHS

## 1. IDENTIFICATION

### Product Identifier

**Product Name** SCALEX 10

### Recommended use of the chemical and restrictions on use

**Recommended use** Acid cleaner – scale removal  
**Restrictions on use** For industrial use only

### Supplier details

West Penetone Inc.  
11411-160 Street  
Edmonton, AB,  
T5M3T7  
Tel: 780-454-3919

### Emergency Telephone Number

Canutec (613)-996-6666

## 2. HAZARDS IDENTIFICATION

### Classification

Corrosive to metals	Category 1
Skin corrosion/irritation	Category 1B
Serious eye damage/eye irritation	Category 1
Specific target organ toxicity – single exposure	Category 3

### Label Elements

#### **DANGER**

#### **Hazard Statements**

May be corrosive to metals.  
Causes severe skin burns and eye damage.  
May cause respiratory irritation.



### Precautionary Statements - Prevention

Keep only in original packaging.  
Do not breathe dust/fume/gas/mist/vapors/spray.  
Wash face, hands and any exposed skin thoroughly after handling.  
Use only outdoors or in a well-ventilated area.  
Wear protective gloves/protective clothing/eye protection/face protection.

### Precautionary Statements - Response

**IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
**Immediately call a POISON CENTER or doctor/physician.**  
**IF ON SKIN (or hair):** Take off immediately all contaminated clothing. Rinse skin with water or shower. Wash contaminated clothing before reuse.  
**IF INHALED:** Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER or doctor/physician.  
**IF SWALLOWED:** Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor/physician.  
Absorb spillage to prevent material damage.

**Precautionary Statements - Storage**

Keep container tightly closed. Store in a well-ventilated place. Store locked up. Store in corrosive resistant/container with a resistant liner.

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant according to local, provincial/federal regulations.

**3. COMPOSITION / INFORMATION ON INGREDIENTS**

Chemical Name	CAS-No	Weight %
hydrogen chloride	7647-01-0	10-30

**4. FIRST AID MEASURES**

<b>Eye contact</b>	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.
<b>Skin contact</b>	Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse.
<b>Inhalation</b>	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor/physician.
<b>Ingestion</b>	Do not induce vomiting. Drink 1 or 2 glasses of water. Call a physician or Poison Control Centre immediately. Never give anything by mouth to an unconscious person.

**Most important symptoms and effects, both acute and delayed**

Causes burns to eyes, skin and mucous membranes. Symptoms include pain with local reddening, blistering, ulceration or discoloration of tissues.

**Indication of any immediate medical attention and special treatment needed**

Treat symptomatically.

**5. FIRE-FIGHTING MEASURES****Suitable Extinguishing Media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Unsuitable Extinguishing Media**

Water jet.

**Specific hazards arising from the chemical**

The product causes burns of eyes, skin and mucous membranes.

**Protective Equipment and Precautions for Firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

**6. ACCIDENTAL RELEASE MEASURES****Personal precautions, protective equipment and emergency procedures**

Avoid contact with skin, eyes and clothing. Use personal protective equipment. High risk of slipping due to leakage/spillage of product.

**Environmental Precautions**

Avoid discharge into drains/surface waters/groundwater.

**Methods and material for containment and cleaning up**

Contain, neutralize, and solidify with inert absorbent material. Keep in suitable, closed containers for disposal. Following product recovery, flush the area with water. For large spills, stop flow of material, prevent product from entering drains, and pump off product where this is without risk and possible. Proceed as above.

## 7. HANDLING AND STORAGE

**Precautions for Safe Handling**

**Handling** Avoid contact with skin, eyes and clothing.

**Conditions for safe storage, including any incompatibilities**

**Storage** Keep containers tightly closed in a dry, cool and well-ventilated place.

**Incompatible Materials** Strong or chlorinated alkali, amphoteric or light metals

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Control parameters**

Only constituents with exposure limits are listed. Any constituent not listed has no known exposure limit.

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Hydrogen chloride 7647-01-0	TWA: 2 ppm ceiling	5 ppm/7 mg/m <sup>3</sup> ceiling	50 ppm

**Appropriate engineering controls**

**Engineering Controls** Ensure adequate ventilation, especially in confined areas.

**Individual protection measures, such as personal protective equipment**

**Eye/face Protection** Splash proof goggles and face shield.

**Skin and body protection** Rubber or neoprene gloves, rubber apron and boots.

**Respiratory Protection** Respiratory protection if ventilation is inadequate or in case of vapor/aerosol release.

**General Hygiene Considerations** Handle in accordance with good industrial hygiene and safety practice. Wash soiled clothing immediately.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**APPEARANCE :**

Clear, colorless liquid

**ODOR**

Acidic

**ODOR THRESHOLD :**

Not applicable

**pH :**

<1.0

**MELTING POINT / FREEZING POINT :**

Approx. -15 °C

**BOILING POINT/BOILING RANGE :**

Approx. 100 °C

**FLASH POINT :**

None

**EVAPORATION RATE, water = 1 :**

1

**FLAMMABILITY (SOLID, GAS):**

Not applicable

**VAPOR PRESSURE, mm Hg AT 20°C :**

Not applicable

**VAPOR DENSITY (Air = 1) :**

Not applicable

**RELATIVE DENSITY AT 20°C:**

1.080-1.090

**SOLUBILITY IN WATER :**

Complete

**PARTITION COEFFICIENT, N-OCTANOL/WATER :**

Not available

**AUTO-IGNITION TEMPERATURE :**

Not available

**DECOMPOSITION TEMPERATURE:**

Not available

**VISCOSITY:**

Not available

**FLAMMABLE LIMITS :**

**UPPER:** Not applicable **LOWER :** Not applicable

**10. STABILITY AND REACTIVITY****Reactivity**

Not reactive under normal conditions.

**Conditions to Avoid**

Store away from incompatible materials.

**Chemical Stability**

Stable under normal conditions.

**Possibility of hazardous reactions**

None

**Incompatible Materials**

Strong or chlorinated alkali, amphoteric or light metals.

**Hazardous decomposition products**

Hydrogen chloride.

**11. TOXICOLOGICAL INFORMATION****Acute toxicity****ATE<sub>mix</sub>** – LD50 oral – approx.  $\leq 5547$  mg/kg (rat), LD50 dermal – approx.  $> 30823$  mg/kg (rabbit), LC50 inhalation-vapors – approx. 29 mg/L – 4 h (rat)

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
hydrogen chloride 7647-01-0	700-900 mg/kg (rat)	$> 5000$ mg/kg (rabbit)	4.66 mg/L – 4 h rat

**Information on likely sources of exposure****Serious eye damage/irritation**

Corrosive to eyes and may cause grave lesions, including blindness.

**Skin corrosion/irritation**

Corrosive to skin.

**Ingestion**

Ingestion may cause burns to the digestive and respiratory tract.

**Inhalation**

Spray mist may cause irritation or burns to respiratory tract.

**Delayed and immediate effects and also chronic effects from short and long-term exposure****Respiratory or skin sensitization**

Not a sensitizer.

**Germ cell mutagenicity**

None known.

**Carcinogenicity**

No listed human carcinogens.

**Reproductive toxicity**

No information available.

**STOT - single exposure**

No information available.

**STOT-repeated exposure**

No information available.

**Aspiration Hazard**

None known.

**Symptoms related to the physical, chemical and toxicological characteristics**

Symptoms include tingling sensation and / or reddening of tissues, eventually leading to burn lesions.

**12. ECOLOGICAL INFORMATION****Ecotoxicity**

Chemical Name	Fish	Waterflea	Algae
hydrogen chloride 7647-01-0	282 mg/L: 96 h gambusia affinis LC50	Not listed	Not listed

**Persistence and degradability**

Not applicable to inorganic materials.

**Bioaccumulative potential**

Significant accumulation in organisms is not to be expected.

**Mobility in soil**

No information available

**Other adverse effects**

Do not release untreated in natural waters.

**13. DISPOSAL CONSIDERATIONS****Waste Disposal Method**

Dispose of in accordance with local regulations.

**Contaminated Packaging**

Empty containers should be taken for local recycling, recovery or waste disposal.

**14. TRANSPORT INFORMATION****TDG classification**

UN 1789, Hydrochloric Acid, Class 8, PG III

**15. REGULATORY INFORMATION**

All ingredients are listed on the DSL

**16. OTHER INFORMATION**

<b><u>Preparation Date</u></b>	7 November, 2016
<b><u>Revision Date</u></b>	not applicable
<b><u>Revision Note</u></b>	not applicable

**Disclaimer**

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**End of SDS**