

# CHAUCER CHEMICALS LIMITED

## PRODUCT SAFETY DATA SHEET

### QUIX- SCALEX DESCALING ACID

**1 IDENTIFICATION OF PREPARATION AND THE SUPPLIER**

Trade Name:  
Supplier  
Tel No:

QUIX SCALEX:  
CHAUCER CHEMICALS LIMITED, P.O.Box1, St.Neots, Cambs PE19 1DP  
Tel: 01480 476202 Fax: 01480 406459

**2 INFORMATION ON INGREDIENTS**

Product Description:

Aqueous solution of Hydrochloric Acid and surfactant.

Hazardous Ingredients:

Hydrochloric Acid 60% w/w

**3 HAZARDS IDENTIFICATION**

Not classified as hazardous

Causes burns. Irritating to respiratory system,

**4 FIRST AID MEASURES**

Eyes:

Rinse immediately with plenty of water and seek medical advice if irritation persists

Skin:

Remove contaminated clothing, wash of with soap and water immediately

Ingestion:

Do not induce vomiting. Provided patient is conscious, wash out mouth with water, then give plenty of drink milk or water, obtain urgent medical attention.

Inhalation:

Remove patient to the fresh air, rest and keep warm, seek medical attention.

**5 FIRE FIGHTING MEASURES**

Extinguishing Media:

Not classified as flammable.

Unusual Media:

None know

Unusual Fire and Explosion Hazards:

Hydrogen Chloride

Protective Equipment for Fire:

Self contained breathing apparatus and full protective clothing

**6 ACCIDENTAL RELEASE MEASURES**

Personal Precautions:

Wear protective clothing, gloves and safety goggles.

Environmental Precautions:

Do not allow product or washings to enter surface or ground waters.

Spillages:

Absorb with sand, earth or suitable material. Neutralize with Sodium Carbonate  
Transfer to a container for disposal to local regulations.

**7 HANDLING AND STORAGE**

Handling:

Avoid contact with eyes and skin.

Storage:

Store in a cool place in the original container. Keep away from oxidising agents.

**8 EXPOSURE CONTROLS/PERSONAL PROTECTION**

Respiratory Protection:

Type approved RPE for acidic vapours.

Hand Protection:

PVC or rubber gloves.

Eye Protection:

Safety goggles.

Skin Protection:

Rubber boots, PVC overalls.

Occupational Exposure Limits:

Hazardous Ingredient(s)

LTEL 8hr TWA

ppm mg/m<sup>3</sup>

STEL (15 mins)

ppm mg/m<sup>3</sup>

Type

Hydrochloric Acid

5

7

OES

Prepared 1/3/95

CJLB/100

## QUIX SCALEX

## 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance/Colour

Odour:

pH Value @ 20°C:

Boiling Point (°C):

Melting Point (°C):

Flash Point (°C):

Auto Ignition Temp.(°C):

Explosive Limits in Air:

Vapour Pressure @ (20°C):

Relative Density @ (20°C):

Water Solubility:

Pale Amber Liquid

Acidic

less than 1

Decomposes to form a constant boiling solution 20.2% @ 110°C

&lt; -29°C

Boils without flashing

Not applicable

Not applicable

No data

&gt;1.125 @ 15.5°C

Completely miscible

## 10 STABILITY AND REACTIVITY

Conditions to Avoid:

Materials to Avoid:

Hazardous Decomposition:

Temperatures above 40°C

Oxidising agents, ammonia, amines

Hydrogen chloride

## 11 TOXICOLOGICAL INFORMATION

Eye Contact:

Skin Contact:

Ingestion:

Inhalation:

Corrosive to eye

Corrosive to skin and mucous membranes

Ingestion may cause irritation of the gastro-intestinal tract

Mists and vapour will cause irritation of the upper respiratory tract, may cause corrosion, pulmonary oedema may occur up to 48 hours

## 12 ECOLOGICAL INFORMATION

Biodegradability:

Toxicity:

Effect on Effluent Treatment:

Distribution:

Mobility:

At use dilutions is readily broken down by biological sewage treatment

Fatal to fish and other aquatic life

Neutralize slowly by natural alkalinity

Completely water soluble: Material does not bioaccumulate

Highly volatile liquid

## 13 DISPOSAL CONSIDERATIONS

Product:

Packages:

Absorb in earth, sand or other suitable absorbent, and dispose of as solid waste according to local regulations. Dispose of by incineration

Wash out containers with water, running the washings to a sewage treatment system. Dispose of container according to local regulations

Classification for Transport:

UN Number:

Road &amp; Rail Transport (ADR/RID)

CORROSIVE Emergency Action Code 2R

1789 E.E.C. No- 231 - 595 - 7

H.I. No: 80 Class/Item No&gt; 8, 5, (b) IMDG Packaging: II

EEC Classification:

Risk Phrase:

Safety Phrases:

CORROSIVE

R34-37 Causes burns. Irritating to respiratory system

S2: Keep out of reach of children

S25: Avoid contact with eyes

S26: In case of contact with eyes rinse immediately with plenty of water and seek medical advice

S46: If swallowed give plenty of milk or water and seek urgent medical attention

## 14 OTHER INFORMATION