

# K-370 - MATERIAL SAFETY DATA SHEET

## SECTION 1 - Product Identification & Use

<b>COMMON NAME:</b>	Protocol K-370	<b>MANUFACTURER:</b>	<b>DISTRIBUTOR:</b>
<b>MATERIAL IDENTIFIER:</b>	K-370	Sci-Tech Inc.	
<b>APPLICATION:</b>	Scale and Oxide Remover	#340 53016 Hwy 60	
<b>WHMIS CLASSIFICATION:</b>	D.2B, E	Acheson, AB T7X 5A7	
<b>EMERGENCY CONTACT:</b>	CANUTEC	(780) 960-1200	
<b>EMERGENCY PHONE:</b>	(613) 996-6666		

## SECTION 2 - Hazardous Ingredients

HAZARDOUS INGREDIENTS	%	CAS/UN #	LD(50) OF INGREDIENT	LC(50) OF INGREDIENT
Organic salt	15 - 40	21351-39-3	n.av.	n.av.
Alcohol ethoxylate	1 - 5	68991-48-0	Rat (Oral) 2000 mg/kg	n.av.

## SECTION 3 - Physical Data

<b>PHYSICAL STATE:</b>	<b>ODOUR AND APPEARANCE:</b>	<b>SOLUBILITY IN WATER:</b>	<b>ODOUR THRESHOLD:</b>
Liquid	Mild; Colourless	100%	n.av.
<b>SPECIFIC GRAVITY:</b>	<b>VAPOUR DENSITY (air=1):</b>	<b>VAPOUR PRESSURE:</b>	<b>% VOLATILE BY VOLUME:</b>
1.06 ± 0.02	n.av.	n.av.	n.av.
<b>BOILING POINT:</b>	<b>MELTING POINT:</b>	<b>pH:</b>	<b>OCTANE-WATER COEFF:</b>
n.av.	n.av.	0.5 ± 0.5	n.av.

### OTHER PERTINENT INFORMATION:

n.av.

## SECTION 4 - Fire & Explosion Data

<b>FLAMMABILITY:</b>	<b>FLASHPOINT (°C):</b>	n.av.
This product will not burn or support combustion.	<b>AUTOIGNITION TEMPERATURE (°C):</b>	n.av.
<b>MEANS OF EXTINCTION:</b>	<b>LOWER FLAMMABLE LIMIT (% BY VOLUME):</b>	n.av.
Use media proper for surrounding fire.	<b>UPPER FLAMMABLE LIMIT (% BY VOLUME):</b>	n.av.
<b>SPECIAL PROCEDURES:</b>	<b>EXPLOSION SENSITIVITY TO IMPACT:</b>	n.av.
n.ap.	<b>SENSITIVITY TO STATIC DISCHARGE:</b>	n.av.
<b>HAZARDOUS COMBUSTION PRODUCTS:</b>		
(See Hazardous Decomposition)		

## SECTION 5 - Reactivity Data

<b>CHEMICAL STABILITY:</b>
Stable under normal conditions.
<b>INCOMPATIBLE MATERIALS:</b>
Incompatible with bases and strong oxidizing materials.
<b>HAZARDOUS DECOMPOSITION:</b>
May thermally decompose to produce carbon monoxide and carbon dioxide.

**SECTION 6 - Toxicological Properties****INHALATION:**

Mist may cause irritation of the upper respiratory tract.

**EYE CONTACT:**

May cause moderate to severe irritation.

**SKIN CONTACT:**

May cause mild to moderate irritation, especially under prolonged or repeated exposure to concentrate.

**INGESTION:**

May cause nausea, abdominal pain, and diarrhea if ingested in large quantities.

**SECTION 7 - Preventative Measures**

**GLOVES:** Rubber gloves to prevent drying of hands.

**FOOTWEAR:** Specialty footwear not required.

**RESPIRATOR:** Not required for normal use.

**CLOTHING:** Specialty clothing not required.

**EYEWEAR:** Chemical goggles or safety glasses required.

**OTHER:** Eye-wash station and shower required.

**ENGINEERING CONTROL:**

Use with adequate general ventilation.

**LEAK AND SPILL PROCEDURE:**

For large spills, contain and salvage material if possible. For small spills, wash area with water.

**WASTE DISPOSAL:**

Dispose of in a suitable container according to all local, provincial and federal regulations.

**HANDLING PROCEDURES AND EQUIPMENT:**

Do not ingest. Avoid skin and eye contact.

**STORAGE REQUIREMENTS:**

Store in a cool, dry area above freezing and away from incompatibles. Keep container tightly closed when not in use. Protect from damage.

**TDG CLASSIFICATION:**

Corrosive liquid n.o.s.(Urea Monohydrochloride): Class 8, UN1760 PG III

**SECTION 8 - First Aid Procedures****INHALATION:**

Remove victim from exposure and allow fresh air. If discomfort results, seek medical attention.

**EYE CONTACT:**

In case of contact with eyes, check for and remove contact lenses. Immediately flush with cold running water for at least 15 minutes. Seek medical attention immediately.

**SKIN CONTACT:**

In case of contact with skin, remove contaminated clothing. Wash skin thoroughly with soap and water. If irritation persists, seek medical attention.

**INGESTION:**

DO NOT INDUCE VOMITING. Have victim drink large amounts of water. Seek medical attention.

**SECTION 9 - Preparation of MSDS****PREPARED BY:**

SCI-TECH Department of Research and Development

**PHONE NUMBER:**

(780) 960-1200

**CONSTRUCTED:**

05/27/2010

**RELEASED:**

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