

# K-550 - MATERIAL SAFETY DATA SHEET

## SECTION 1 - Product Identification & Use

<b>COMMON NAME:</b>	Protocol K-550	<b>MANUFACTURER:</b>	<b>DISTRIBUTOR:</b>
<b>MATERIAL IDENTIFIER:</b>	K-550	Sci-Tech Inc.	
<b>APPLICATION:</b>	Industrial Cleaner/Degreaser	#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
Alcohol ethoxylate	7 - 13	68991-48-0	Rat (Oral) 2000 mg/kg	n.av.
Sodium hydroxide solution	5 - 10	1310-73-2	n.av.	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; Amber	100%	n.av.
<b>SPECIFIC GRAVITY:</b>	<b>VAPOUR DENSITY (air=1):</b>	<b>VAPOUR PRESSURE:</b>	<b>% VOLATILE BY VOLUME:</b>
1.11 ± 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.	13.0 ± 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 acids and strong oxidizing materials.
<b>HAZARDOUS DECOMPOSITION:</b>
May thermally decompose to produce carbon monoxide, carbon dioxide, and oxides of sodium.

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

Inhalation may cause irritation of the respiratory tract.

**EYE CONTACT:**

May cause moderate to severe irritation as a concentrate.

**SKIN CONTACT:**

May cause moderate to severe irritation, especially if in contact with moisture or trapped under clothing. Degree of irritation varies depending on the concentration of the solution and duration of contact.

**INGESTION:**

Ingestion of high alkaline solutions can result in corrosive burns of the esophagus, stomach, and duodenum. May cause perforation of the esophagus or stomach. Symptoms include pain, excessive salivation, vomiting, and retching.

**SECTION 7 - Preventative Measures**

**GLOVES:** Impermeable gloves required.

**FOOTWEAR:** Rubber boots required.

**RESPIRATOR:** NIOSH approved, when misted

**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:**

Contain spill or leak. Do not allow entry into sewers or waterways. Spilled solutions should be contained by diking. Solutions can be carefully diluted with water and cautiously neutralized with acids (acetic or hydrochloric).

**WASTE DISPOSAL:**

Waste should not be discharged into sewer or waterways. Neutralize with diluted acid, then dispose of in accordance with 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 liquids, basic, inorganic n.o.s. (Sodium Hydroxide): Class 8, UN3266, PG II

**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:**

Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing and shoes before reuse.

**INGESTION:**

**DO NOT INDUCE VOMITING.** If vomiting occurs, prevent aspiration into lungs by maintaining the position of the head below the hips. Obtain immediate medical attention.

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

SCI-TECH Department of Research and Development

**PHONE NUMBER:**

(780) 960-1200

**CONSTRUCTED:**

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