

## SECTION 1 - Product Identification &amp; Use

<b>COMMON NAME:</b>	Slick	<b>MANUFACTURER:</b>	<b>DISTRIBUTOR:</b>
<b>MATERIAL IDENTIFIER:</b>	0605	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
Phosphoric acid	7 - 13	7664-38-2	n.av.	n.av.
Sulfamic acid	1 - 5	5329-14-6	Rat (Oral) 3160 mg/kg	n.av.
Nonylphenol polyethoxylate	1 - 5	9016-45-9	Rat (Oral) 2780 mg/kg	n.av.
Ethylene glycol monobutyl ether	0.5 - 1.5	111-76-2	Rabbit (Oral) 370 mg/kg	Rat 450 ppm 4h

## SECTION 3 - Physical Data

<b>PHYSICAL STATE:</b>	<b>ODOUR AND APPEARANCE:</b>	<b>SOLUBILITY IN WATER:</b>	<b>ODOUR THRESHOLD:</b>
Liquid	Cherry; Red	100%	n.av.
<b>SPECIFIC GRAVITY:</b>	<b>VAPOUR DENSITY (air=1):</b>	<b>VAPOUR PRESSURE:</b>	<b>% VOLATILE BY VOLUME:</b>
1.14 ± 0.02	n.av.	n.av.	n.av.
<b>BOILING POINT:</b>	<b>MELTING POINT:</b>	<b>pH:</b>	<b>OCTANE-WATER COEFF:</b>
> 100 °C	< 0 °C	1.5 ± 0.5	n.av.

## OTHER PERTINENT INFORMATION:

n.av.

## SECTION 4 - Fire &amp; 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.
It is recommended that a NIOSH approved SCBA be used when either in confined areas or exposed to combustion products.	<b>SENSITIVITY TO STATIC DISCHARGE:</b>	n.av.
<b>HAZARDOUS COMBUSTION PRODUCTS:</b>		
Corrosive and toxic fumes		

## 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>
Thermally degrades, producing toxic gases and vapours.

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

Corrosive vapours or mist from concentrated solutions (50-100 ppm) can cause severe nasal irritation, sore throat, choking, coughing, and difficulty breathing.

**EYE CONTACT:**

This product is extremely corrosive. It can penetrate deeply, causing irritation or severe burns depending on the concentration of the solution and the duration of exposure. In severe cases, ulceration and permanent blindness may occur.

**SKIN CONTACT:**

The degree of irritation caused by this product depends on the concentration of the solution and the duration of contact. Concentrated solutions can cause corrosion of tissue or severe burns.

**INGESTION:**

Ingestion may result in severe burning and/or perforation of the digestive system which can lead to death.

**SECTION 7 - Preventative Measures**

**GLOVES:** Impermeable gloves required.

**FOOTWEAR:** Specialty footwear not required.

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

**CLOTHING:** Specialty clothing not required.

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

**OTHER:** n.ap.

**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:**

Waste should not be discharged into the sewer or water ways. Dispose of waste in accordance with local, provincial and federal regulations.

**HANDLING PROCEDURES AND EQUIPMENT:**

Due to the toxic and corrosive nature of this product, it is important that adequate PPE and personal hygiene requirements are met.

**STORAGE REQUIREMENTS:**

Store in a cool, dry, well-ventilated area. Store in suitable, labeled containers (usually the shipping container). Keep containers tightly closed when not in use and when empty. Protect from damage.

**TDG CLASSIFICATION:**

Corrosive liquids, acidic, inorganic n.o.s. (Phosphoric acid): Class 8, UN3264, PG III

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

Remove victim to fresh air. If breathing is difficult, oxygen may be beneficial if administered by trained personnel. Immediately transport victim to an emergency care facility.

**EYE CONTACT:**

In case of contact with eyes, continuously flush eyes with plenty of water or neutral saline solution for at least 60 minutes. Transport to emergency facility.

**SKIN CONTACT:**

In case of contact with skin, remove contaminated clothing and flush with water for at least 60 minutes. Do not interrupt flushing. Transport to an emergency facility.

**INGESTION:**

Rinse victim's mouth with water. DO NOT INDUCE VOMITING. Have victim drink 300 mL of water to dilute material in stomach. If milk is available, it may be given AFTER the water. Transport victim to an emergency facility.

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

SCI-TECH Department of Research and Development

**PHONE NUMBER:**

(780) 960-1200

**CONSTRUCTED:**

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