

SECTION 1 - Product Identification & Use

COMMON NAME:	Metal Strip Dip Tank Cleaner	MANUFACTURER:	DISTRIBUTOR:
MATERIAL IDENTIFIER:	0519	Sci-Tech Inc.	
APPLICATION:	Metal Cleaner	#340 53016 Hwy 60	
WHMIS CLASSIFICATION:	D.2B, E	Acheson, AB T7X 5A7	
EMERGENCY CONTACT:	CANUTEC	(780) 960-1200	
EMERGENCY PHONE:	(613) 996-6666		

SECTION 2 - Hazardous Ingredients

HAZARDOUS INGREDIENTS	%	CAS/UN #	LD(50) OF INGREDIENT	LC(50) OF INGREDIENT
Sodium hydroxide solution	60 - 100	1310-73-2	n.av.	n.av.
Sodium phosphate, tribasic	10 - 30	10361-89-4	Rat (Oral) 7400 mg/kg	n.av.
Sodium metasilicate pentahydrate	5 - 10	10213-79-3	Rat (Oral) 847 mg/kg	Rat 874 ppm 4h

SECTION 3 - Physical Data

PHYSICAL STATE:	ODOUR AND APPEARANCE:	SOLUBILITY IN WATER:	ODOUR THRESHOLD:
Powder	Odourless; White	20%	n.av.
SPECIFIC GRAVITY:	VAPOUR DENSITY (air=1):	VAPOUR PRESSURE:	% VOLATILE BY VOLUME:
n.av.	n.av.	n.av.	n.av.
BOILING POINT:	MELTING POINT:	pH:	OCTANE-WATER COEFF:
n.av.	n.av.	13.0 ± 0.5	n.av.

OTHER PERTINENT INFORMATION:

n.av.

SECTION 4 - Fire & Explosion Data

FLAMMABILITY:	FLASHPOINT (°C):	n.av.
This product will not burn or support combustion.	AUTOIGNITION TEMPERATURE (°C):	n.av.
MEANS OF EXTINCTION:	LOWER FLAMMABLE LIMIT (% BY VOLUME):	n.av.
Use media proper for surrounding fire.	UPPER FLAMMABLE LIMIT (% BY VOLUME):	n.av.
SPECIAL PROCEDURES:	EXPLOSION SENSITIVITY TO IMPACT:	n.av.
It is recommended that a NIOSH approved SCBA be used when either in confined areas or exposed to combustion products.	SENSITIVITY TO STATIC DISCHARGE:	n.av.
HAZARDOUS COMBUSTION PRODUCTS:		
Corrosive and toxic fumes		

SECTION 5 - Reactivity Data

CHEMICAL STABILITY:
Stable under normal conditions.
INCOMPATIBLE MATERIALS:
Incompatible with acids and strong oxidizing materials.
HAZARDOUS DECOMPOSITION:
Thermally degrades, producing toxic gases and vapours.

SECTION 6 - Toxicological Properties**INHALATION:**

Inhalation of large amounts of dust will result in severe irritation of the respiratory tract.

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:

Capable of causing severe burns with deep ulceration. Will penetrate to deeper layers of skin, resulting in permanent scarring and possibly death.

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: Rubber, vinyl, or neoprene gloves required.

FOOTWEAR: Rubber boots required.

RESPIRATOR: NIOSH approved

CLOTHING: Impermeable coveralls required.

EYEWEAR: Chemical goggles or face shield required.

OTHER: Eye-wash station and shower required.

ENGINEERING CONTROL:

Use with adequate general ventilation.

LEAK AND SPILL PROCEDURE:

For large spills, dike and salvage material. Minor spills can be neutralized with diluted hydrochloric or sulfuric acid and then flushed with plenty of water.

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:

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 place. Keep containers tightly closed when not in use. Prolonged storage may cause this hygroscopic product to become wet and encrusted due to atmospheric moisture. Protect from damage.

TDG CLASSIFICATION:

Corrosive Solid n.o.s. (Mixture): Class 8, UN1759, PG II

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:

07/19/2006

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