

SECTION 1 - Product Identification & Use

COMMON NAME:	Metal Strip SM Dip Tank Cleaner	MANUFACTURER:	DISTRIBUTOR:
MATERIAL IDENTIFIER:	0520	Sci-Tech Inc.	
APPLICATION:	Metal Cleaner (Soft)	#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 metasilicate pentahydrate	30 - 60	10213-79-3	Rat (Oral) 847 mg/kg	Rat 874 ppm 4h
Sodium phosphate, tribasic	15 - 40	10361-89-4	Rat (Oral) 7400 mg/kg	n.av.
Sodium carbonate	15 - 40	497-19-8	Rat (Oral) 4090 mg/kg	n.av.
Sodium Nitrite	1 - 5	7632-00-0	Rat (Oral) 150 mg/kg	Rat 3 mg/L/6h

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.	12.5 ± 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:		
Oxides of carbon and sodium		

SECTION 5 - Reactivity Data

CHEMICAL STABILITY:
Stable under normal conditions.
INCOMPATIBLE MATERIALS:
Incompatible with acids and strong oxidizing materials.
HAZARDOUS DECOMPOSITION:
May thermally decompose to produce carbon monoxide, carbon dioxide, and oxides of sodium.

SECTION 6 - Toxicological Properties**INHALATION:**

High concentrations of dust or mists from concentrated solutions are severely irritating and corrosive.

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 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: Dust mask required.

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 spill, salvage material and place into container. For minor spills sweep or vacuum discharged material. Residue may be flushed with large amounts of water. This material may also be neutralized by a weak acid.

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 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:

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:

07/19/2006

RELEASED:

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