

# S007 - MATERIAL SAFETY DATA SHEET

## SECTION 1 - Product Identification & Use

<b>COMMON NAME:</b>	OS-100	<b>MANUFACTURER:</b>	<b>DISTRIBUTOR:</b>
<b>MATERIAL IDENTIFIER:</b>	S007	Sci-Tech Inc.	
<b>APPLICATION:</b>	Descaler	#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	60 - 100	21351-39-3	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>
1.22 ± 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.	0.7 ± 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>
Avoid contact with oxidizers. This material may be extremely hazardous in contact with chlorates or nitrates. This material is acidic. Contact with hypochlorites will liberate toxic gases. Contact with alkaline materials will release heat.
<b>HAZARDOUS DECOMPOSITION:</b>
Thermal decomposition may yield oxides of carbon, nitrogen and chlorine. Hydrogen gas may be released upon contact with certain metals.

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

Mist may cause irritation of the upper respiratory tract.

**EYE CONTACT:**

May cause moderate to severe irritation as a concentrate.

**SKIN CONTACT:**

May cause skin irritation.

**INGESTION:**

May cause gastrointestinal irritation, nausea, vomiting and diarrhea.

**SECTION 7 - Preventative Measures**

**GLOVES:** Impermeable gloves required.

**FOOTWEAR:** Regular safety boots 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. Avoid temperatures over 113°C (235.4 °F).

**LEAK AND SPILL PROCEDURE:**

For large spills, salvage material and place into container. For minor spills sweep or vacuum discharged material. Residue may be flushed with large amounts of 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, wash with soap and water.

**INGESTION:**

DO NOT INDUCE VOMITING. Have victim drink two glasses of water. Contact physician immediately.

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

SCI-TECH Department of Research and Development

**PHONE NUMBER:**

(780) 960-1200

**CONSTRUCTED:**

04/28/2009

**RELEASED:**

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