

## SECTION 1 - Product Identification &amp; Use

<b>COMMON NAME:</b>	Genesis Industrial Cleaner	<b>MANUFACTURER:</b>	<b>DISTRIBUTOR:</b>
<b>MATERIAL IDENTIFIER:</b>	0995	Sci-Tech Inc.	
<b>APPLICATION:</b>	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	1 - 5	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; Yellow	n.av.	n.av.
<b>SPECIFIC GRAVITY:</b>	<b>VAPOUR DENSITY (air=1):</b>	<b>VAPOUR PRESSURE:</b>	<b>% VOLATILE BY VOLUME:</b>
1.025 ± 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.	14.0 ± 0.5	n.av.

## OTHER PERTINENT INFORMATION:

n.av.

## SECTION 4 - Fire &amp; Explosion Data

<b>FLAMMABILITY:</b>	<b>FLASHPOINT (°C):</b>	n.av.
Nonflammable	<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.

## HAZARDOUS COMBUSTION PRODUCTS:

Fumes of potassium and sodium oxides

## SECTION 5 - Reactivity Data

## CHEMICAL STABILITY:

Stable under normal conditions.

## INCOMPATIBLE MATERIALS:

Incompatible with strong acids, organohalogen compounds, nitro and chloro organic compounds, flammable liquids, nitromethane, waxy solids, and nitrous compounds. It can react with metals such as tin, aluminum and zinc to form flammable hydrogen gas.

## HAZARDOUS DECOMPOSITION:

May produce sodium oxide.

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

Mists may cause irritation to the respiratory tract. In severe cases, pulmonary edema (severe, life-threatening lung injury) could result.

**EYE CONTACT:**

May cause severe irritation to eyes, visual impairment, or complete blindness

**SKIN CONTACT:**

May cause skin burns and permanent skin damage.

**INGESTION:**

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

**SECTION 7 - Preventative Measures**

**GLOVES:** Rubber gloves required.

**FOOTWEAR:** Rubber boots required.

**RESPIRATOR:** NIOSH approved, when misted

**CLOTHING:** Impermeable coveralls required.

**EYEWEAR:** Chemical goggles or face shield required.

**OTHER:** Eye-wash station and shower required.

**ENGINEERING CONTROL:**

For use only with adequate ventilation. Maintain airborne concentrations below the exposure guidelines.

**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:**

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:**

Not TDG Regulated.

**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, 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, remove contaminated clothing. Wash skin thoroughly with soap and water. If irritation persists, seek medical attention.

**INGESTION:**

DO NOT INDUCE VOMITING. If vomiting occurs, lean victim forward to prevent aspiration of the vomitus. Give a cup of water to dilute chemical in stomach. Seek 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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**RELEASED:**

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