

0316 - MATERIAL SAFETY DATA SHEET

SECTION 1 - Product Identification & Use

COMMON NAME:	Uniblast	MANUFACTURER:	DISTRIBUTOR:
MATERIAL IDENTIFIER:	0316	Sci-Tech Inc.	
APPLICATION:	Carwash Detergent	#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, anhydrous	15 - 40	6834-92-0	Rat (Oral) 622 mg/kg	n.av.
Nonylphenol polyethoxylate	10 - 30	9016-45-9	Rat (Oral) 2780 mg/kg	n.av.
Sodium carbonate	10 - 30	497-19-8	Rat (Oral) 4090 mg/kg	n.av.
Sodium metasilicate pentahydrate	7 - 13	10213-79-3	Rat (Oral) 847 mg/kg	Rat 874 ppm 4h
Alkyl aryl sulfonate	3 - 7	25155-30-0	n.av.	n.av.
Sodium C14-C16 olefin sulfonate	3 - 7	68439-57-6	Rat (Oral) 3900 mg/kg	Rat 17200 mg/kg

SECTION 3 - Physical Data

PHYSICAL STATE:	ODOUR AND APPEARANCE:	SOLUBILITY IN WATER:	ODOUR THRESHOLD:
Powder	Cherry; Red	25%	n.av.
SPECIFIC GRAVITY:	VAPOUR DENSITY (air=1):	VAPOUR PRESSURE:	% VOLATILE BY VOLUME:
1.0 ± 0.02	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):
This product will not burn or support combustion.	n.av.
MEANS OF EXTINCTION:	AUTOIGNITION TEMPERATURE (°C):
Use media proper for surrounding fire.	n.av.
SPECIAL PROCEDURES:	LOWER FLAMMABLE LIMIT (% BY VOLUME):
It is recommended that a NIOSH approved SCBA be used when either in confined areas or exposed to combustion products.	n.av.
HAZARDOUS COMBUSTION PRODUCTS:	UPPER FLAMMABLE LIMIT (% BY VOLUME):
Oxides of carbon and sodium	n.av.
	EXPLOSION SENSITIVITY TO IMPACT:
	n.av.
	SENSITIVITY TO STATIC DISCHARGE:
	n.av.

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:**

Large amounts of dust may cause irritation of the respiratory tract.

EYE CONTACT:

Causes painful stinging or burning of the eyes and eye lids, watering of the eyes, conjunctivitis, and corneal scarring and clouding, possibly leading to loss of sight.

SKIN CONTACT:

May cause moderate to severe irritation, especially if in contact with moisture or trapped under clothing. Degree of irritation varies depending on the concentration of the solution and duration of contact.

INGESTION:

May cause nausea, vomiting, diarrhea, abdominal pain, and burning of the mouth and esophagus.

SECTION 7 - Preventative Measures

GLOVES: Not required for normal use.

FOOTWEAR: Specialty footwear not required.

RESPIRATOR: Not required for normal use.

CLOTHING: Specialty clothing not required.

EYEWEAR: Not required for normal use.

OTHER: Eye-wash station required.

ENGINEERING CONTROL:

Use with adequate general ventilation.

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:

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:

Do not ingest. Avoid skin and eye contact.

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, Basic, Inorganic n.o.s. (Sodium Metasilicate): Class 8, UN3262, 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, 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. Have victim drink large amounts of water. Seek immediate medical attention.

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

SCI-TECH Department of Research and Development

PHONE NUMBER:

(780) 960-1200

CONSTRUCTED:

07/18/2006

RELEASED:

01/03/2011

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