

MATERIAL SAFETY DATA SHEET

TW-3100 CONCENTRATE

Section I



CHEMICALS & EQUIPMENT, INC.

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Emergency Telephone Number
(713) 644-1492

Telephone Number for Information
(713) 644-1492

Date Prepared
JANUARY 5, 2010 (Revised 8/9/13)

Section II — Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity: Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
Sodium Metasilicate (CAS#6834-92-0)	2mg/m ³	2mg/m ³	N/E	N/A
Butoxyethanol (CAS#1111-76-2)	25mg/m ³	25mg/m ³	N/A	N/A

Section III — Physical/Chemical Characteristics

Boiling Point	N/D	Specific Gravity (H₂O = 1)	N/A
Vapor Pressure (mm Hg.)	N/A	Melting Point	N/D
Vapor Density (AIR = 1)	N/A	Evaporation Rate (Butyl Acetate = 1)	N/A
Solubility in Water	Complete		
Appearance and Odor	White free flowing powder, with no significant odor.		

Section IV — Fire and Explosion Hazard Data

Flash Point (Method Used)	N/A	Flammable Limits	LEL	UEL
		N/A	N/A	N/A

Extinguishing Media

Product is not combustible. Use extinguishing media suitable to surrounding fire source.

Special Fire Fighting Procedures

Pressure demand self contained breathing apparatus should be provided for firefighters in building or confined areas where product is stored.

Unusual Fire and Explosion Hazards

May generate explosive hydrogen gas upon prolonged contact with aluminum.

Section V — Reactivity Data

Stability	Unstable	X	Conditions to Avoid Avoid contact with strong acids.
	Stable		

Incompatibility (Materials to Avoid)

Strong acids, do not store in aluminum containers.

Hazardous Decomposition or Byproducts

May produce explosive hydrogen gas upon prolonged contact with aluminum.

Hazardous Polymerization	May Occur	X	Conditions to Avoid N/A
	Will Not Occur		

Section VI — Health Hazard Data

Route(s) of Entry:	Inhalation? Irritant	Skin? Irritant	Ingestion? Irritant
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Health Hazards (Acute and Chronic)

Acute: irritating to skin and mucous membranes. Dry product may cause permanent eye damage if not treated. Inhalation of mists or spray may cause coughing or other symptoms of upper respiratory irritation.

Chronic: Inhalation of dusts may result in lung tissue damage.

Carcinogenicity: No citations	NTP? No citations	IARC Monographs? No citations	OSHA Regulated? No
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Signs and Symptoms of Exposure

May cause irritation of eyes, skin or mucous membranes. Inhalation of dusts may cause coughing, sneezing, or other symptoms of irritation.

Medical Conditions (Generally Aggravated by Exposure)

None known

Emergency and First Aid Procedures

In case of skin or eye contact, flush immediately with large volume of water. Seek medical attention if symptoms present. If inhaled, get to fresh air. Seek medical attention if symptoms present. If ingested, do not induce vomiting. Give water and seek medical attention.

Section VII — Precautions for Safe Handling and Use

Steps to Be Taken in Case Material is Released or Spilled

Discharges to streams or sewer systems, spilled material should be cleaned up and contained immediately.

Waste Disposal Method

Dispose of waste material in accordance with all local, state and federal regulations.

Precautions to Be Taken in Handling and Storing

Do not store in aluminum containers. Avoid skin and eye contact. Avoid breathing dusts. Store in closed container.

Other Precautions

Clean spills immediately. Wash thoroughly after handling.

Section VIII — Control Measures

Respiratory Protection (Specify Type)

Use NIOSH/OSHA approved respirator where mists or spray generated.

Ventilation	Local Exhaust Where mists or spray generated	Special N/A
	Mechanical (General) N/A	Other N/A

Protective Gloves

Rubber gloves should be worn

Other Protective Clothing or Equipment

Standard work clothing. Wash contaminated articles before reuse.

Work/Hygiene Practices

Clean spills immediately.

Eye Protection

Face shield or chemical goggles