

# Material Safety Data Sheet

May be used to comply with  
 OSHA's Hazard Communication Standard,  
 29 CFR 1910.1200. Standard must be  
 consulted for specific requirements.

# U.S. Department of Labor

Occupational Safety and Health Administration  
 (Non-Mandatory-Form)  
 Form Approved  
 OMB No. 1218-0072

<b>IDENTITY (As Used on Label and List)</b> <b>MATRIX</b>	<i>Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.</i>
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<b>Section I</b>		NA = Not Applicable NIA = No Information Available
Manufacturer's Name Sunburst Chemicals, Inc.	Emergency Telephone Number 1-866-303-6943 (7 days/24 hours)	
Address (Number, Street, City, State, and ZIP Code) 220 W. 86th St.	Telephone Number For Information (952) 884-3144	
Bloomington, MN 55420	Date Prepared 02/17/04	
Alkaline Detergent	Signature of Preparer (optional)	

Section II - Hazardous Ingredients/Identity Information		OSHA PEL	ACGIH TLV	Other Limits Recommended	%(optional)
Hazardous Components (Specific Chemical Identity; Common Name(s))					
Sodium Metasilicate CAS #6834-92-0		2mg/m <sup>3</sup>	2mg/m <sup>3</sup>		
Sodium Hydroxide - CAS #1310-73-2		2mg/m <sup>3</sup>	2mg/m <sup>3</sup>		
Sodium Dodecyl Benzenesulfonate - CAS #25155-30-0	NIA		NIA		
Ethylene Glycol Monobutyl Ether - CAS #111-76-2	50 ppm Skin		25 ppm Skin		
PA: Identification of specific ingredients is being withheld as a trade secret.					
NJ-TSRN: 7855-5004					

Contains Trisodium Nitritotriacetate, a component listed in California's Proposition 65.

Section III - Physical/Chemical Characteristics			
Boiling Point	NA	Specific Gravity (H <sub>2</sub> O=1)	1.60
Vapor Pressure (mm Hg.)	NA	Melting Point	140°F.
Vapor Density (AIR=1)	NA	Evaporation Rate (Butyl Acetate = 1)	NA
pH, %	% Volatile		
12.3	< 10%		
Solubility In Water			
Up to 20% W/W.			
Appearance and Odor			
Yellow solid mass, slight odor.			

Section IV - Fire and Explosion Hazard Data			
Flash Point (Method Used) None.	Flammable Limits	LEL NA	UEL NA
Extinguishing Media Water, CO <sub>2</sub> Dry chemical.			
Special Fire Fighting Procedures None.			
Unusual Fire and Explosion Hazards None.			

HMIS		NFPA			
<b>2</b> HEALTH	<b>HEALTH HAZARD</b>	<b>4</b> FIRE HAZARD	<b>Flash Points</b>	<b>SPECIFIC HAZARD</b>	<b>REACTIVITY</b>
<b>0</b> FLAMMABILITY	4 Deadly	3	Below 73°F (Boiling pt. below 100°F)	Oxidizer OX	4 May detonate
<b>0</b> REACTIVITY	3 Extreme danger	3	Below 73°F (Boiling pt. at/above 100°F)	Acid ACID	3 Shock and heat may detonate
<b>B</b> PERSONAL PROTECTION	X 2 Hazardous		and/or at/above 73°F - not exceeding 100°F	X Alkali ALK	2 Violent chemical change
	1 Slightly hazardous		2 Above 100°F, Not Exceeding 200°F	Corrosive COR	1 Unstable if heated
	0 Normal material		1 Above 200°F	Use NO WATER	X 0 Stable
		X	0 Will not burn	Radioactive	

**Section V – Reactivity Data**

Stability	Unstable		Conditions to Avoid
	Stable	X	

Incompatibility (*Materials to Avoid*)

Chlorine Bleach.

## Hazardous Decomposition or Byproducts

Chlorine Gas.

Hazardous Polymerization	May Occur		Conditions to Avoid
	Will Not Occur	X	

**Section VI - Health Hazard Data**

Routes(s) of Entry:	Inhalation?	Skin?	Ingestion?
	NO	POSSIBLE	NO

Health Hazards (*Acute and Chronic*)

ACUTE- irritation, redness of skin, chemical burns in eyes, gastric disorders if ingested. CHRONIC - NIA.

Carcinogenicity:	NTP?	IARC Monographs?	OSHA Regulated?
	NIA	NIA	NIA

## Signs and Symptoms of Exposure

SKIN - slippery feeling on skin, chapped, dry skin. EYES - burning sensation, redness. INGESTION - bitter taste, burning sensation in throat or mouth.

## Medical Conditions Generally Aggravated by Exposure

Open sores or skin wounds.

## Emergency and First Aid Procedures

EXTERNAL - thoroughly rinse with water for at least 15 minutes. Get medical attention if irritation persists. INTERNAL - drink a large volume of milk, raw eggs or water. Get immediate medical attention.

**Section VII – Precautions for Safe Handling and Use**

## Steps to Be Taken in Case Material is Released or Spilled

Collect and reuse if possible. Rinse spill area with water to prevent slippery conditions.

## Waste Disposal Method

Dispose of in manner approved by all Federal, State, and Local regulations.

## Precautions to Be Taking in Handling and Storing

Normal good housekeeping practices.

## Other Precautions

Keep out of the reach of children.

**Section VIII – Control Measures**Respiratory Protection (*Specify Type*)

None.

Ventilation	Local Exhaust NA	Special NIA
	Mechanical ( <i>General</i> ) NIA	Other NIA

## Protective Gloves

Rubber or vinyl recommended.

## Eye Protection

Safety glasses, goggles recommended.

## Other Protective Clothing or Equipment

Not required.

## Work/Hygienic Practices

Always wash hands after handling product or changing capsules.