

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

IDENTITY (As Used on Label and List)
MARVEL CONCENTRATE

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.

Section I

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 Street	Telephone Number For Information (952) 884-3144
Bloomington, MN 55420	Date Prepared 05-26-11
	Signature of Preparer (optional)

Section II - Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity; Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
Isopropanol - CAS #67-63-0	400 ppm	400 ppm		
2-butoxyethanol - CAS #111-76-2	50 ppm/TWA	25 ppm/TWA		
Ammonium Hydroxide - CAS #1336-21-6	NIA	NIA		

Section III - Physical/Chemical Characteristics

Boiling Point Approx. 195°F.	Specific Gravity (H ₂ O= 1) .975
Vapor Pressure (mm Hg.) NA	Melting Point NIA
Vapor Density (AIR= 1) NA	Evaporation Rate (Butyl Acetate = 1) NIA
Solubility In Water Complete.	
Appearance and Odor Blue liquid, alcohol odor.	

Section IV - Fire and Explosion Hazard Data

Flash Point (Method Used) 110°F. (TCC) concentrated product.	Flammable Limits	LEL NA	UEL NA
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Extinguishing Media
Water, CO₂, Dry chemical.

Special Fire Fighting Procedures
If near a fire remove from heat area. Spray with water to cool. Open or broken containers may ignite.

Unusual Fire and Explosion Hazards
Keep away from sparks or open flame when spraying concentrate. Use solutions are not flammable when properly diluted.

HMIS		NFPA				
1 HEALTH	HEALTH HAZARD	FIRE HAZARD Flash Points		SPECIFIC HAZARD		REACTIVITY
2 FLAMMABILITY	4 Deadly	4	Below 73°F (Boiling pt. below 100°F)	Oxidizer	OX	4 May detonate
0 REACTIVITY	3 Extreme danger	3	Below 73°F (Boiling pt. at/above 100°F)	Acid	ACID	3 Shock and heat may detonate
B PERSONAL PROTECTION	2 Hazardous		and/or at/above 73°F - not exceeding 100°F	Alkali	ALK	2 Violent chemical change
	X 1 Slightly hazardous	X	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
			0 Will not burn	Radioactive		

Section V - Reactivity Data

Stability	Unstable		Conditions to Avoid
	Stable	X	

Incompatibility (*Materials to Avoid*)
None.

Hazardous Decomposition or Byproducts
None.

Hazardous Polymerization	May Occur		Conditions to Avoid
	Will Not Occur	X	

Section VI - Health Hazard Data

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

Health Hazards (*Acute and Chronic*)

ACUTE - irritation to eyes and skin, distress to digestive tract, diarrhea (For Product and Use Solutions). CHRONIC - NIA.

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

Signs and Symptoms of Exposure

EXTERNAL - redness of skin or eyes, burning sensation. INTERNAL - foul taste, burning sensation in mouth and throat.

Medical Conditions Generally Aggravated by Exposure

Open sores or wounds.

Emergency and First Aid Procedures

EXTERNAL - thoroughly rinse with water for at least 15 minutes. Get medical attention if irritation persists. (For Product and Use Solutions). INTERNAL - drink a large quantity of milk 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

Absorb spilled material with an absorbent material such as clay, sawdust, or sand. Sweep up as much of this as possible and place in a sealed, labeled container or in a proper landfill. Thoroughly rinse the affected area with water.

Waste Disposal Method

Spilled material should be collected as above for disposal in a landfill according to Federal, State, and Local regulations. Any rinsing of the affected area should also be in accordance with Federal, State and Local regulations.

Precautions to Be Taking in Handling and Storing

Keep tightly closed when not in use.

Other Precautions

Avoid contact of product (or its use solutions) with skin, eyes or clothing.

Do Not use concentrated product near burners, water heaters, ovens, or pilot lights.

Keep out of reach of children.

Section VIII - Control Measures

Respiratory Protection (*Specify Type*)

Not required.

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

Protective Gloves

Rubber recommended for concentrate product.

Eye Protection

Safety glasses when handling concentrate.

Other Protective Clothing or Equipment

Not required.

Work/Hygienic Practices

Always wash hands after handling.