

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) SERVE		<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>	
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 12-05-03	
		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)
Sodium Hydroxide - CAS #1310-73-2	2mg/m ³	2mg/m ³		
Sodium Phosphate - CAS #7758-29-4	NIA	NIA		

PA: Identification of specific ingredients is being withheld as a trade secret.

NJ - TSNR 6135-5052

Section III - Physical/Chemical Characteristics

Boiling Point	NA	Specific Gravity (H ₂ O=1)	NA
Vapor Pressure (mm Hg.)	NA	Melting Point	NIA
Vapor Density (AIR=1)	NA	Evaporation Rate (Butyl Acetate = 1)	NA
Solubility in Water Up to 10%.		PH, 1%	12.5
Appearance and Odor White solid, odorless.			

Section IV - Fire and Explosion Hazard Data

Flash Point (Method Used) None.	Flammable Limits	LEL NA	UEL NA
Extinguishing Media Water, CO ₂ , Dry chemical.			
Special Fire Fighting Procedures None.			
Unusual Fire and Explosion Hazards None.			

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

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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 - chemical burns, poisoning. CHRONIC - NIA.

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

Signs and Symptoms of Exposure

EXTERNAL - redness of skin or eyes, burning sensation of eyes, mouth or throat.

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. INTERNAL - Drink a large quantity 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 Taken in Handling and Storing

Normal good housekeeping practices.

Other Precautions

Keep out of reach of children.

Section VIII - Control Measures

Respiratory Protection (Specify Type)

Not required.

Ventilation	Local Exhaust NA	Special NIA
	Mechanical (General) NIA	Other NIA

Protective Gloves Rubber or vinyl recommended.	Eye Protection Safety glasses, goggles recommended.
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Other Protective Clothing or Equipment

Rubber apron recommended when changing empty jugs.

Work/Hygienic Practices

Always wash hands after handling.

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U.S. DEPARTMENT OF LABOR
Occupational Safety and Health Administration
MATERIAL SAFETY DATA SHEET

(Prepared According to 29 CFR 1910.1200)

SECTION 1**IDENTIFICATION**

Product Name: **FORMULA 496355 ZENAORANGESOLV**
Manufacturer's Name: **ZENEX International**
Manufacturer's Address: **7777 First Place, Cleveland Ohio 44146**
Manufacturer's Phone Number: **(440)232-4155**
Emergency Phone Number: **1-800-535-5053**
Proper Shipping Name: **Consumer Commodity, ORM-D**
Effective Date: **10-15-01**

SECTION 2 IDENTITY INFORMATION AND HAZARDOUS INGREDIENTS

Chemical Name:	CAS No.:	TLV:
d-Limonene	5989-27-5	Not established
Propane	74-98-6	2500ppm
Butane	106-97-8	800ppm
Polyoxyalkylene	Unknown	Not established

SECTION 3**PHYSICAL DATA**

Boiling Point:	<0 to 311°F	Specific Gravity(H ₂ O=1):	0.78 ± 0.05
Solubility in Water:	Emulsion	Evaporation Rate:	Slower than Ether
Vapor Density(Air=1):	Heavier than air	pH:	NA

SECTION 4**FIRE AND EXPLOSION HAZARD DATA**

Flash Point: 115°F
Flash Point(Propellant): <0°F
Flammable Limits(Propellant): LEL: 0.7 UEL: 9.5
Extinguishing Media: Use water fog, dry chemical or carbon dioxide.
Special Fire Fighting Procedures: Aerosol cans may rupture when heated.
Unusual Fire and Explosion Hazards: Heated cans may burst.

SECTION 5**REACTIVITY DATA**

Stability: Unstable _____
Stable X
Incompatibility (Materials to Avoid): None known.
Conditions to Avoid: High temperatures.
Hazardous Decomposition or Byproducts: In fire, will decompose to carbon dioxide, carbon monoxide
Hazardous Polymerization: Will not occur

SECTION 6 STORAGE AND HANDLING INFORMATION

Precautions to be Taken in Handling and Storing:

When spraying more than one half can continuously or more than one can consecutively,
use NIOSH approved respirator.

STORE AT TEMPERATURES BELOW 120°F
KEEP AWAY FROM CHILDREN
FOR USE BY TRAINED PERSONNEL ONLY

KEEP AWAY FROM HEAT, SPARKS, OR OPEN FLAME
FOR INDUSTRIAL AND INSTITUTIONAL USE ONLY
KEEP CONTAINER CLOSED DURING STORAGE

SECTION 7 HEALTH HAZARDS AND FIRST AID

Effects of Overexposure:

SKIN: Skin irritant. Will cause defatting of skin. Effects are reversible.

EYES: Eye irritant. Will cause redness and burning sensation.

INHALATION: Effects of overexposure include irritation of respiratory tract, headache, dizziness,
nausea, and loss of coordination.

INGESTION: Aspiration hazard if swallowed.

First Aid Procedures:

SKIN: Immediately flush exposed area with water for at least 15 minutes. If irritation persists, get
medical attention. Remove contaminated clothing and launder before reuse.

EYES: Immediately flush with large quantities of water for at least 15 minutes, lifting upper and lower
eyelids occasionally. Seek medical attention.

INHALATION: Remove person to fresh air. If irritation persists, give oxygen, get medical attention.

INGESTION: DO NOT induce vomiting. Seek medical attention immediately.

Note: Never give anything by mouth to an unconscious or convulsing victim.
Keep person warm and quiet.

SECTION 8 SPECIAL PROTECTION INFORMATION

Respiratory Protection: Self-contained breathing apparatus if above TLV limit.

Ventilation: Provide local exhaust to keep TLV of Section 2 ingredients below acceptable limit.

Protective Gloves: None required if spraying.

Eye Protection: As with all cleaners, ZENEX supports employee safety as priority #1. Therefore, we
recommend the use of safety glasses or chemical splash goggles.

Other Protective Equipment: Long sleeves and long pants.

Work/Hygienic Practices: Do not smoke while using. Wash hands after use.

SECTION 9 SPILL OR LEAK PROCEDURE

Steps To Be Taken In Case Material Is Released or Spilled:

Use absorbent sweeping compound to soak up material. Put into container. Dispose as
hazardous waste.

Waste Disposal Method:

Dispose as hazardous waste in accordance with EPA RCRA.

SECTION 10 REGULATORY INFORMATION

SARA Title III, Section 313 Components:

None

This information pertains to this product as currently formulated, and is based on the information available at this
time. Addition of reducers or other additives to this product may substantially alter the composition. We make no
warranties, express or implied, and assume no liability in connection with any use of this information. 496355