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*)
Lime Remover Plus

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 St.	Telephone Number For Information (952)884-3144
Bloomington, MN 55420	Date Prepared 03-15-03
	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*)
Phosphoric Acid	1 ppm	NIA		
Nitric Acid	NIA	NIA		

Section III – Physical/Chemical Characteristics

Boiling Point Over 212°F.		Specific Gravity (H_20=1) 1.15	
Vapor Pressure (mm Hg.) NA		Melting Point NIA	
Vapor Density (AIR=1) NA		Evaporation Rate (Butyl Acetate = 1) NA	

Solubility In Water
Complete.

Appearance and Odor
Pale Blue Liquid, odorless.

Section IV - Fire and Explosion Hazard Data

Flash Point (Method Used)	Flammable Limits	LEL	UEL
None.		NA	NA

Extinguishing Media
Water, CO_2, Dry chemical.

Special Fire Fighting Procedures
Spray containers with water to keep cool.

Unusual Fire and Explosion Hazards
Extreme heat may rupture containers, spilling corrosive contents.

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

Fdrive/Pubs/MSDS_Sht/Cleaners/LimeRemoverPlus.doc

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?
	POSSIBLE	NO	NO

Health Hazards (*Acute and Chronic*)
SKIN – skin burns, sever eye injury, blindness, severe gastrointestinal disorder if ingested. CHRONIC – NIA.

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

Signs and Symptoms of Exposure
Redness of skin, burning in eyes, sour taste.

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 two large glasses milk or water and go to doctor or emergency room.

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
Corrosive acid, avoid contact with skin or eyes.

Section VIII - Control Measures

Respiratory Protection (*Specify Type*)
If mist or vapor is irritating wear a 5 micron particle mask.

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

Protective Gloves	Eye Protection
Rubber for handling product and use solutions.	Safety glasses when handling product and use solutions.

Other Protective Clothing or Equipment
Recommend wearing a rubber or vinyl apron.

Work/Hygienic Practices
Always wash hands after handling.