

Safety Data Sheet SHINE-M-UP AEROSOL

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1. PRODUCT AND COMPANY IDENTIFICATION

Product Name SHINE-M-UP AEROSOL
Recommended use Cleaning agent
Information on Manufacturer
CERTIFIED LABS, DIV. OF NCH CORP.
BOX 152170
IRVING, TEXAS 75015

Product Code 5056
Chemical nature Aerosol
Emergency Telephone Number
CHEMTREC® 800-424-9300
Telephone inquiry
972-579-2477

2. HAZARD IDENTIFICATION

Color off-white

Physical state Liquid

Odor Ammonia

GHS

Classification

Physical Hazards

Gases under pressure

Compressed Gas

Health Hazard

Acute Oral Toxicity

Skin Corrosion/Irritation

Serious Eye Damage/Eye Irritation

Carcinogenicity

Specific target organ toxicity (repeated exposure)

Category 4

Category 1

Category 1

Category 1A

Category 1

Other hazards

None

Labeling

Signal Word

DANGER



Hazard statements

H314 - Causes severe skin burns and eye damage

H302 - Harmful if swallowed

H350 - May cause cancer

H370 - Causes damage to lungs through prolonged or repeated exposure if inhaled

H280 - Contains gas under pressure; may explode if heated

Precautionary Statements

P202 - Do not handle until all safety precautions have been read and understood

P251 - Pressurized container: Do not pierce or burn, even after use

P210 - Keep away from heat, sparks, open flames or hot surfaces.

P280 - Wear protective gloves, protective clothing, eye protection and face protection.

P264 - Wash face, hands and any exposed skin thoroughly after handling

P260 - Do not breathe mist, vapors or gas

P270 - Do not eat, drink or smoke when using this product.

P303 + P361 + P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower

P332 + P313 - If skin irritation occurs, get medical attention.

P363 - Wash contaminated clothing before reuse

P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310 - Immediately call a physician

P304 + P340 - IF INHALED: Remove person to fresh air and keep at rest in a position comfortable for breathing.

P342 + P311 - If experiencing respiratory symptoms, call a physician

P301 + P330 + P331 - IF SWALLOWED: Rinse mouth. DO NOT induce vomiting. Call a physician if unwell.

P410 + P403 - Protect from sunlight. Store in a well-ventilated place

P390 - Absorb spillage to prevent damage

P406 - Store in a corrosion-resistant container.

P501 - Dispose of contents and container in accordance with applicable local regulations.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS No.	Weight %
Crystalline Silica (Quartz)	14808-60-7	15-40
Tall oil fatty acid	61790-12-3	7-13
Isobutane	75-28-5	5-10
Propane	74-98-6	3-7
AMMONIA SOLUTION	1336-21-6	3-7
Oxalic acid	144-62-7	1-5

*The exact percentage (concentration) of composition has been withheld as a trade secret

4. FIRST AID MEASURES

General advice	Do not breathe vapors, mist or gas. Do not get in eyes, on skin or on clothing.
Eye Contact	Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Get medical attention immediately.
Skin Contact	Remove immediately all contaminated clothing. Wash off immediately with plenty of water for at least 15 minutes. Get medical attention immediately.
Inhalation	Move to fresh air. In case of shortness of breath, give oxygen. If breathing has stopped, apply artificial respiration. Get medical attention immediately.
Ingestion	Drink 1 or 2 glasses of water. Do NOT induce vomiting. Get medical attention immediately. Never give anything by mouth to an unconscious person.
Notes to physician	The product causes burns of eyes, skin and mucous membranes. Control of circulatory system, shock therapy if needed.

5. FIRE-FIGHTING MEASURES

Flash Point Does not flash	Method Tag closed cup	
Flammability Limits in Air %: Propellant.	Upper: 9.5	Lower: 1.8
Suitable Extinguishing Media		
Foam. Carbon dioxide (CO ₂). Dry chemical. Water spray. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.		

Specific hazards arising from the chemical

Solvent vapors are heavier than air and may spread along floors. Vapors may ignite and explode. Material can create slippery conditions. Flame extension: 0 inches / 0 cm and Burnback: 0 inch / 0 cm.

Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, NOHSC (approved or equivalent) and full protective gear.

Aerosol Level (NFPA 30B) -	1		
NFPA	Health 3	Flammability 4	Instability 0
HMIS	Health 3	Flammability 1	Instability 0

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	Ensure adequate ventilation. Material can create slippery conditions.
Environmental Precautions	Prevent further leakage or spillage if safe to do so.
Methods for Containment	Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13).
Methods for Cleaning Up	Pick up and transfer to properly labeled containers.
Neutralizing Agent	Acetic acid, diluted.

7. HANDLING AND STORAGE

Handling	Do not get in eyes, on skin or on clothing. Do not breathe vapor, mist or gas.			
Storage	Keep in a dry, cool and well-ventilated place. Keep away from open flames, hot surfaces and sources of ignition.			
Storage Temperature	Minimum	35 °F / 2 °C	Maximum	120 °F / 49 °C
Storage Conditions	Indoor	X	Outdoor	Heated Refrigerated

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines

Component	ACGIH TLV	OSHA PEL	NIOSH
Crystalline Silica (Quartz)	: 0.025 mg/m ³ TWA (respirable fraction)	No data available	50 mg/m ³ respirable dust TWA: 0.05 mg/m ³ respirable dust

Isobutane	STEL: 1000 ppm	No data available	TWA: 800 ppm TWA: 1900 mg/m ³
Propane	TWA: 1000 ppm	TWA: 1000 ppm TWA: 1800 mg/m ³	2100 ppm TWA: 1000 ppm TWA: 1800 mg/m ³
Oxalic acid	TWA: 1 mg/m ³ STEL: 2 mg/m ³	TWA: 1 mg/m ³	500 mg/m ³ STEL 2 mg/m ³ TWA: 1 mg/m ³

Engineering Measures	Ensure adequate ventilation, especially in confined areas. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction.
Personal Protective Equipment	
Eye/Face Protection	Tightly fitting safety goggles. Face-shield.
Skin Protection	Wear protective gloves/clothing, Impervious gloves.
Respiratory Protection	In case of inadequate ventilation wear respiratory protection. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.
General Hygiene Considerations	Ensure that eyewash stations and safety showers are close to the workstation location. Remove and wash contaminated clothing before re-use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	Liquid	Viscosity	Viscous
Color	off-white	Odor	Ammonia
Odor Threshold	Not applicable	Appearance	Opaque
pH	10.5	Specific Gravity	1.06
Evaporation Rate	<1 (Butyl acetate=1)	Percent Volatile (Volume)	100
VOC Content (%)	6.1	VOC Content (g/L)	65
Vapor Pressure	60 mmHg @ 601°F	Vapor Density	>1 (Air = 1.0)
Solubility	Soluble	n-Octanol/Water Partition	No data available
Melting Point/Range	No data available	Decomposition Temperature	No data available
Boiling Point/Range	212 °F / 100 °C	Flammability (solid, gas)	No data available
Flash Point	Does not flash	Method	Tag closed cup
Autoignition Temperature	No information available.		
Flammability Limits in Air %:	Propellant	Upper: 9.5 Lower: 1.8	

10. STABILITY AND REACTIVITY

Chemical Stability	Stable. Hazardous polymerization does not occur.
Conditions to Avoid	Heat, flames, and sparks.
Incompatible Products	Oxidizing agents.
Decomposition Temperature	No data available
Hazardous Decomposition Products	Carbon oxides, Hydrocarbons.
Possibility of Hazardous Reactions	None under normal processing.

11. TOXICOLOGICAL INFORMATION

Product Information No information available.

The following values are calculated based on chapter 3.1 of the GHS document

Oral LD50	No information available
Dermal LD50	No information available
Inhalation LC50	
Gas	No information available
Mist	No information available
Vapor	No information available

Principle Route of Exposure Skin contact, Eye contact, Inhalation.

Primary Routes of Entry Skin contact.

Acute Effects:

Eyes	Corrosive to the eyes and may cause severe damage including blindness.
Skin	Causes skin burns.
Inhalation	Harmful by inhalation. Causes burns. Inhalation may cause central nervous system effects. May cause central nervous system depression. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness.
Ingestion	If ingested, severe burns of the mouth and throat, as well as a danger of perforation of the esophagus and the stomach. Harmful if swallowed.

Chronic Toxicity Inhaled corrosive substances can lead to a toxic edema of the lungs. Occupational health effects due to inhalation of mineral dusts incorporating crystalline silica (quartz, cristobalite, tridymite), crystalline silicates (kaolin, talc) graphite or coal. Liver and kidney injuries may occur. May cause

cancer after repeated inhalation of spray or dust. Prolonged skin contact may defat the skin and produce dermatitis.

Target Organ Effects
Aggravated Medical Conditions

Eyes, Skin, Respiratory system, Central nervous system, Heart, Liver, Kidney.

Respiratory disorders, Skin disorders, Liver disorders, Kidney disorders, Heart disease.

Component Information

Acute Toxicity

Component	Oral LD50	Dermal LD50	Inhalation LC50	Draize Test	Other
Crystalline Silica (Quartz) 14808-60-7	= 500 mg/kg (Rat)	no data available	no data available	No data available	No data available
Tall oil fatty acid 61790-12-3	= 7600 mg/kg (Rat)	no data available	No data available	No data available	No data available
Isobutane 75-28-5	No data available	no data available	= 658 mg/L (Rat) 4 h	No data available	No data available
Propane 74-98-6	No data available	no data available	= 658 mg/L (Rat) 4 h	No data available	No data available
AMMONIA SOLUTION 1336-21-6	= 350 mg/kg (Rat)	no data available	No data available	No data available	No data available
Oxalic acid 144-62-7	= 375 mg/kg (Rat)	= 20000 mg/kg (Rat)	No data available	No data available	No data available

Component	Mutagenicity	Sensitization	Developmental Toxicity	Reproductive Toxicity	Target Organ Effects
Crystalline Silica (Quartz) 14808-60-7	No data available	No data available	No data available	No data available	Eyes; Respiratory system
Isobutane 75-28-5	No data available	No data available	No data available	No data available	Central nervous system
Propane 74-98-6	No data available	No data available	No data available	No data available	Central nervous system
Oxalic acid 144-62-7	No data available	No data available	No data available	No data available	Skin; Eyes; Respiratory system; Kidney

Carcinogenicity

Component	ACGIH	IARC	NTP	OSHA	Other
Crystalline Silica (Quartz) 14808-60-7	A2	Group 1	Known	X	not applicable

12. ECOLOGICAL INFORMATION

Product Information

No information available.

Component Information

Component	Toxicity to Algae	Toxicity to Fish	Microtox	Crustacea	Partition coefficient
Tall oil fatty acid	EC50 >= 1000 mg/L Pseudokirchneriella subcapitata 72 h	No information available.	No information available	No information available.	5.98
Isobutane	No information available.	No information available.	No information available	No information available.	2.88
Propane	No information available.	No information available.	No information available	No information available.	2.3
AMMONIA SOLUTION	No information available.	LC50 = 8.2 mg/L Pimephales promelas 96 h	No information available	0.66: 48 h water flea mg/L EC50 0.66: 48 h Daphnia pulex mg/L EC50	N/A
Oxalic acid	No information available.	No information available.	No information available	125 - 150: 48 h Daphnia magna mg/L EC50 Static	-0.81

Persistence and Degradability

No information available.

Bioaccumulation

No information available.

Mobility

No information available.

13. DISPOSAL CONSIDERATIONS

Product Disposal

Dispose of in accordance with local regulations.

Container Disposal

Contents under pressure. Do not puncture. Empty remaining contents. Empty containers should be taken for local recycling, recovery, or waste disposal.

14. TRANSPORT INFORMATION

DOT

Proper Shipping Name

Hazard Class

Description

DOT

Consumer commodity

ORM-D

Consumer commodity ,ORM-D

TDG

Proper shipping name Aerosols
Hazard Class 2.1
UN-No UN1950
Description AEROSOLS,2.1,UN1950, LTD QTY

ICAO

UN-No UN1950
Proper Shipping Name Aerosols
Hazard Class 2.1
Shipping Description Aerosols,UN1950, LTD QTY

IATA

UN-No UN1950
Proper Shipping Name Aerosols, flammable
Hazard Class 2.1
ERG-Code 10L
Shipping Description UN1950,Aerosols, flammable,2.1, LTD QTY

IMDG/IMO

Proper Shipping Name Aerosols
Hazard Class 2
UN-No UN1950
EmS No. F-D, S-U
Description UN1950, Aerosols,2, LTD QTY

15. REGULATORY INFORMATION

Inventories

TSCA Complies
DSL Complies

U.S. Federal Regulations**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazardous Categorization

Acute Health Hazard	Chronic Health Hazard	Fire Hazard	Sudden Release of Pressure Hazard	Reactive Hazard
Yes	Yes	No	Yes	No

CERCLA

Component	Hazardous Substances RQs	CERCLA EHS RQs
AMMONIA SOLUTION	1000 lb	Not applicable

16. OTHER INFORMATION

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Reason for Revision No information available.
Glossary No information available.
List of References. No information available.

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