

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name SHINE M UP AEROSOLSAMPLE, CAN CL
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

2. HAZARDS IDENTIFICATION

Emergency Overview
 CAUTION
 May be harmful if inhaled
 May cause skin irritation
 May cause eye irritation
 May be harmful if swallowed
 Contents under pressure

Color Off-white **Physical State** Liquid **Odor** Ammoniacal
Potential Health Effects
Principle Route of Exposure Skin contact, Eye contact, Inhalation.
Primary Routes of Entry Inhalation
Acute Effects
Eyes May cause eye irritation.
Skin May cause skin irritation.
Inhalation May cause irritation of respiratory tract. Inhalation may cause central nervous system effects. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness.
Ingestion Ingestion may cause gastrointestinal irritation, nausea, vomiting, and diarrhea.
Chronic Toxicity Occupational health effects due to inhalation of mineral dusts incorporating crystalline silica (quartz, cristobalite, tridymite), crystalline silicates (kaolin, talc) graphite or coal, Kidney injury may occur, May cause cancer after repeated inhalation of spray or dust.
Target Organ Effects Eyes, Skin, Respiratory system, Central nervous system, Heart, Liver, Kidney, Lungs.
Aggravated Medical Conditions Respiratory disorders, Skin disorders, Liver disorders, Kidney disorders, Heart disease.
Potential Environmental Effects See Section 12 for additional Ecological information.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS-No
Crystalline Silica (Quartz)	14808-60-7
Propane	74-98-6
Butane	106-97-8
Ammonium tallate	68132-50-3

4. FIRST AID MEASURES

General Advice Avoid contact with skin, eyes, and clothing. Avoid breathing vapors, mist, or gas.
Eye Contact Rinse thoroughly with plenty of water, also under the eyelids. Get medical attention if irritation develops and persists.
Skin Contact Wipe up with absorbent material (e.g. cloth, fleece). Wash off immediately with plenty of water. Get medical attention if irritation develops and persists. Wash contaminated clothing before re-use.
Inhalation If inhaled, remove to fresh air. Get medical attention if symptoms occur.
Ingestion Drink 1 or 2 glasses of water. Do NOT induce vomiting. Get medical attention if symptoms occur.
Notes to Physician Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Flash Point >212°F/>100°C **Method** Seta closed cup
Autoignition Temperature No information available.
Flammability Limits in Air % Propellant. **Upper** 1.8 **Lower** 9.5
Suitable Extinguishing Media
 Foam. Alcohol-resistant foam. Carbon dioxide (CO2). 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 inches / 0 cm.
Protective Equipment and Precautions for Firefighters
 As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.
Aerosol Level (NFPA 30B) - 1
NFPA **Health** 2 **Flammability** 1 **Instability** 0
HMIS **Health** 2 **Flammability** 1 **Instability** 0

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions Avoid contact with skin, eyes, and clothing. Remove all sources of ignition.
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
Neutralizing Agent**

Pick up and transfer to properly labeled containers.
Not applicable.

7. HANDLING AND STORAGE**Handling**

Avoid contact with skin, eyes, and clothing. Avoid breathing dust/fume/gas/mist/vapours/spray. Contents under pressure. Do not puncture.

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)	TWA: 0.025 mg/m ³	No data available	IDLH: 50 mg/m ³ TWA: 0.05 mg/m ³
Propane	TWA: 1000 ppm	TWA: 1800 mg/m ³ TWA: 1000 ppm	IDLH: 2100 ppm TWA: 1000 ppm TWA: 1800 mg/m ³
Butane	TWA: 1000 ppm	No data available	TWA: 1900 mg/m ³ TWA: 800 ppm
Ammonium tellate	No data available	No data available	No data available

Engineering Measures

Ensure adequate ventilation, especially in confined areas.

Personal Protective Equipment**Eye/Face Protection**

Safety glasses with side-shields.

Skin Protection

For prolonged or repeated contact, use protective gloves

Respiratory Protection

In case of inadequate ventilation wear respiratory protection.

General Hygiene Considerations

Ensure that eyewash stations and safety showers are close to the workstation location. Wash contaminated clothing before re-use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Liquid	Viscosity	Viscous
Color	Off-white	Odor	Ammoniacal
Appearance	Opaque	pH	@10% -10
Specific Gravity	1.180	Evaporation Rate	12.3 (Butyl acetate=1)
Percent Volatile (Volume)	76.4	VOC Content (%)	6.5
VOC Photoreactive (Y/N)	Yes	Vapor Pressure	136.9 mmHg @ 70 °F
Vapor Density	1.3 (Air = 1.0)	Solubility	Completely soluble
Boiling Point/Range	212°F/100°C		

10. STABILITY AND REACTIVITY**Chemical Stability**

Stable under normal conditions. Hazardous polymerization does not occur.

Conditions to Avoid

Heat, flames, and sparks.

Incompatible Products

Oxidizing agents, Acids, Highly halogenated compounds, Fluorinated hydrocarbons.

Hazardous Decomposition Products

Carbon oxides, Nitrogen oxides (NOx).

Possibility of Hazardous Reactions

Dangerous fumes form when mixed with other products. Chlorine.

11. TOXICOLOGICAL INFORMATION**Product Information**

No information available.

Component Information**Acute toxicity**

Component	LD50 Oral	LD50 Dermal	LC50 Inhalation	Draize Test	Other
Crystalline Silica (Quartz)	500 mg/kg (Rat)	no data available	no data available	no data available	no data available
Propane	no data available	no data available	658 mg/L (Rat) 4 h	no data available	no data available
Butane	no data available	no data available	658 mg/L (Rat) 4 h	no data available	no data available
Ammonium tellate	no data available	no data available	no data available	no data available	no data available

Chronic Toxicity

Component	Mutagenicity	Sensitization	Developmental Toxicity	Reproductive Toxicity	Target Organ Effects
Crystalline Silica (Quartz)	no data available	no data available	no data available	no data available	eyes, respiratory system (in animals: lung cancer)
Propane	no data available	no data available	no data available	no data available	CNS
Butane	no data available	no data available	no data available	no data available	CNS
Ammonium tellate	no data available	no data available	no data available	no data available	no data available

Carcinogenicity

Component	ACGIH	IARC	NTP	OSHA	Other
Crystalline Silica (Quartz)	A2	Group 1	Known	X	not applicable
Propane	not applicable	not applicable	not applicable	not applicable	not applicable
Butane	not applicable	not applicable	not applicable	not applicable	not applicable
Ammonium tellate	not applicable	not applicable	not applicable	not applicable	not applicable

12. ECOLOGICAL INFORMATION

Product Information No information available.

Component Information

Component	Toxicity to Algae	Toxicity to Fish	Microtox	Water Flea	log Pow
Crystalline Silica (Quartz)	no data available	no data available	no data available	no data available	N/A
Propane	no data available	no data available	no data available	no data available	2.3
Butane	no data available	no data available	no data available	no data available	2.89
Ammonium tellate	no data available	no data available	no data available	no data available	N/A

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 DOT
Hazard Class Consumer commodity
Description 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
Shipping 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 40n 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
Crystalline Silica (Quartz)	Not applicable	Not applicable
Propane	Not applicable	Not applicable

Butane	Not applicable	Not applicable
Ammonium tellate	Not applicable	Not applicable

Canada

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

WHMIS Hazard Class

A Compressed gases, D2A Very toxic materials.



16. OTHER INFORMATION

Prepared By	Dan Hollas
Supersedes Date	02/23/2006
Issuing Date	11/18/2009
Reason for Revision	No information available.
Glossary	No information available.
List of References.	No information available.

CERTIFIED LABS, DIV. OF NCH CORP. assumes no responsibility for personal injury or property damage caused by the use, storage, or disposal of the product in a manner not recommended on the product label. Users assume all risks associated with such unrecommended use, storage or disposal of the product. The information provided on this MSDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.