Material Safety Data Sheet: SPARKLE AEROSOL SAMPLE, NAC, MM

Supercedes Date 11/02/2011 **Issuing Date** 03/11/2014

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name SPARKLE AEROSOL SAMPLE, NAC, MM
Recommended use Cleaning agent
Information on Manufacturer
CHEMSEARCH DIV. OF NCH CORP.
BOX 152170
IRVING, TX 75015

Product Code 5056
Chemical nature Aerosol
Emergency Telephone Number
CHEMTREC® 800-424-9300

2. HAZARDS IDENTIFICATION

Emergency Overview
DANGER
Corrosive
Causes skin and eye burns
May cause delayed lung injury and burns
Harmful or fatal if swallowed
Contents under pressure

Color Off-white **Physical State** Liquid **Odor** Ammonia

Potential Health Effects

Principle Route of Exposure	Skin contact, Eye contact, Inhalation.
Primary Routes of Entry	Inhalation
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.
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	Eyes, Skin, Respiratory system, Central nervous system, Heart, Liver, Kidney.
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
Tall oil fatty acid	61790-12-3
Isobutane	75-28-5
Propane	74-98-6
Ammonium hydroxide	1336-21-6
Oxalic acid	144-62-7

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 > 212 °F / > 100 °C **Method** Seta closed cup
Autoignition Temperature No information available.
Flammability Limits in Air % Propellant. **Upper** 9.5 **Lower** 1.8
Suitable Extinguishing Media
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 inch / 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** 4	**Instability** 0
HMIS	**Health** 2	**Flammability** 4	**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 breathe vapors or spray mist. Do not get in eyes, on skin or on clothing.
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	IDLH: 50 mg/m^3 TWA: 0.05 mg/m^3
Tall oil fatty acid	No data available	No data available	No data available
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	IDLH: 2100 ppm TWA: 1000 ppm TWA: 1800 mg/m^3
Ammonium hydroxide	No data available	No data available	No data available
Oxalic acid	TWA: 1 mg/m^3 STEL: 2 mg/m^3	TWA: 1 mg/m^3	IDLH: 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 Safety glasses with side-shields.
Skin Protection For prolonged or repeated contact, use protective gloves with appropriate chemical resistance.
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. Do not eat, drink or smoke when using this product.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Liquid	**Viscosity**	Viscous
Color	Off-white	**Odor**	Ammonia
Appearance	Opaque	**pH**	10.5

Specific Gravity	1.06	**Evaporation Rate**	<1 (Butyl acetate=1)
Percent Volatile (Volume)	100	**VOC Content (%)**	<10
VOC Content (g/L)	106	**Vapor Pressure**	60 mmHg @ °F
Vapor Density	>1 (Air = 1.0)	**Solubility**	Soluble
Boiling Point/Range	212 °F / 100 °C		

10. STABILITY AND REACTIVITY

Chemical Stability	Stable. Hazardous polymerization does not occur.
Conditions to Avoid	Heat, flames, and sparks
Incompatible Products	Oxidizing agents
Hazardous Decomposition Products	Carbon oxides, Hydrocarbons.
Possibility of Hazardous Reactions	None under normal processing

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
Tall oil fatty acid	= 7600 mg/kg (Rat)	no data available	no data available	no data available	no data available
Isobutane	no data available	no data available	= 658 mg/L (Rat) 4 h	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
Ammonium hydroxide	= 350 mg/kg (Rat)	no data available	no data available	no data available	no data available
Oxalic acid	= 7500 mg/kg (Rat)	= 20000 mg/kg (Rat)	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), kidneys
Tall oil fatty acid	no data available	no data available	no data available	no data available	no data available
Isobutane	no data available	no data available	no data available	no data available	CNS
Propane	no data available	no data available	no data available	no data available	CNS, heart
Ammonium hydroxide	no data available	no data available	no data available	no data available	no data available
Oxalic acid	no data available	no data available	no data available	no data available	respiratory system,skin,eyes,kidneys

Carcinogenicity

Component	ACGIH	IARC	NTP	OSHA	Other
Crystalline Silica (Quartz)	A2	Group 1	Known	X	not applicable
Tall oil fatty acid	not applicable	not applicable	not applicable	not applicable	not applicable
Isobutane	not applicable	not applicable	not applicable	not applicable	not applicable
Propane	not applicable	not applicable	not applicable	not applicable	not applicable
Ammonium hydroxide	not applicable	not applicable	not applicable	not applicable	not applicable
Oxalic acid	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
Tall oil fatty acid	EC50 >= 1000 mg/L Pseudokirchneriella subcapitata 72 h	no data available	no data available	no data available	4.89 - 5.98
Isobutane	no data available	no data available	no data available	no data available	2.88
Propane	no data available	no data available	no data available	no data available	2.3
Ammonium hydroxide	no data available	LC50 = 8.2 mg/L Pimephales promelas 96 h	no data available	EC50= 0.66 mg/L 48 h	N/A
Oxalic acid	no data available	LC50 = 4000 mg/L Lepomis macrochirus 24 h	no data available	EC50 125 - 150 mg/L 48 h	-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	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 and Title 40 of the Code of Federal Regulations, Part 372.

Component	CAS-No	Weight %	SARA 313 - Threshold Values
Ammonium hydroxide	1336-21-6	3-7	1.0

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

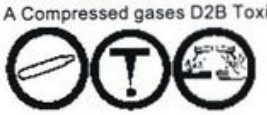
Component	Hazardous Substances RQs	CERCLA EHS RQs
Crystalline Silica (Quartz)	Not applicable	Not applicable
Tall oil fatty acid	Not applicable	Not applicable
Isobutane	Not applicable	Not applicable
Propane	Not applicable	Not applicable
Ammonium hydroxide	1000 lb	Not applicable
Oxalic acid	Not applicable	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 D2B Toxic materials E Corrosive material



16. OTHER INFORMATION

Prepared By	Sarah Williamson
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Reason for Revision	No information available.
Glossary	No information available.
List of References.	No information available.

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