Material Safety Data Sheet: SHINY-SIDE AEROSOL, M/M

Supercedes Date Not applicable **Issuing Date** 08/26/2010

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name SHINY-SIDE AEROSOL, M/M
Recommended Use Cleaning agent

Information on Manufacturer
CERTIFIED LABS, DIV. OF NCH CORP.
BOX 152170
IRVING, TEXAS 75015

Product Code 5605
Chemical Nature Alkaline aqueous solution

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

Color Red **Physical State** Liquid **Odor** Odorless

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. 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

Target Organ Effects Central nervous system, Respiratory system, Skin, Eyes.

Aggravated Medical Conditions Skin disorders, Respiratory disorders, Neurological disorders.

Potential Environmental Effects See Section 12 for additional Ecological information.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS-No
Propane	74-98-6
Isobutane	75-28-5
Sodium hydroxide	1310-73-2
Tetrasodium Ethylenediaminetetraacetate	64-02-8

4. FIRST AID MEASURES

General Advice Do not get in eyes, on skin or on clothing. Do not breathe vapors or spray mist.

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 not breathing, give 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 >201°F/>94°C **Method** Seta closed cup

Autoignition Temperature No information available.

Flammability Limits in Air % Propellant. **Upper** 9.5 **Lower** 1.8

Suitable Extinguishing Media
Water spray. Foam. Alcohol-resistant foam. Carbon dioxide (CO2). Dry chemical. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Specific hazards arising from the chemical
Material can create slippery conditions. Contact with metals liberates hydrogen gas. 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** 3	**Flammability** 1	**Instability** 0
HMIS	**Health** 3	**Flammability** 1	**Instability** 0

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions Use personal protective equipment. Prevent further leakage or spillage if safe to do so. Material can create slippery conditions.

Environmental Precautions Do not flush into surface water or sanitary sewer system.

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 vapors or spray mist.
Storage Keep containers tightly closed in a dry, cool and well-ventilated place.
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
Propane	1000 ppm TWA	1000 ppm TWA; 1800 mg/m^3 TWA	2100 ppm IDLH (10% LEL) : 1000 ppm TWA; 1800 mg/m^3 TWA
Isobutane	1000 ppm TWA	No data available	800 ppm TWA; 1900 mg/m^3 TWA
Sodium hydroxide	2 mg/m^3 Ceiling	2 mg/m^3 TWA	10 mg/m^3 IDLH : 2 mg/m^3 Ceiling
Tetrasodium Ethylenediaminetetraacetate	No data available	No data available	No data available

Engineering Measures Use with local exhaust ventilation. Ensure adequate ventilation, especially in confined areas.
Personal Protective Equipment
Eye/Face Protection Tightly fitting safety goggles. Face-shield.
Skin Protection Wear suitable protective 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 Wear protective gloves/clothing. Ensure that eyewash stations and safety showers are close to the workstation location.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Liquid	**Viscosity**	Non viscous
Color	Red	**Odor**	Odorless
Appearance	No information available	**pH**	13.3
Specific Gravity	0.973	**Evaporation Rate**	15.4 (Butyl acetate=1)
Percent Volatile (Volume)	95.9	**VOC Content (%)**	5
VOC Content (g/L)	49	**Vapor Pressure**	53.9 mmHg @ 70 °F
Vapor Density	2.5 (Air = 1.0)	**Solubility**	Completely soluble
Boiling Point/Range	>200°F/93°C		

10. STABILITY AND REACTIVITY

Chemical Stability Stable. Hazardous polymerization does not occur.
Conditions to Avoid None known.
Incompatible Products Strong oxidizing agents, Reducing agents, Acids, Highly halogenated compounds, Contact with metals liberates hydrogen gas.
Hazardous Decomposition Products Carbon oxides, Sodium oxides, Nitrogen oxides (NOx), Sulfur oxides, Ammonia, Hydrogen, by reaction with metals.
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
Propane	no data available	no data available	658 mg/L (Rat) 4 h	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
Sodium hydroxide	no data available	1350 mg/kg (Rabbit)	no data available	no data available	no data available
Tetrasodium Ethylenediaminetetraacetate	10 g/kg (Rat)	no data available	no data available	no data available	no data available

Chronic Toxicity

Component	Mutagenicity	Sensitization	Developmental Toxicity	Reproductive Toxicity	Target Organ Effects
Propane	no data available	no data available	no data available	no data available	CNS
Isobutane	no data available	no data available	no data available	no data available	CNS
Sodium hydroxide	no data available	no data available	no data available	no data available	eyes, respiratory system, skin
Tetrasodium Ethylenediaminetetraacetate	no data available	no data available	no data available	no data available	no data available

Carcinogenicity There are no known carcinogenic chemicals in this product.

Component	ACGIH	IARC	NTP	OSHA	Other
Propane	not applicable	not applicable	not applicable	not applicable	not applicable
Isobutane	not applicable	not applicable	not applicable	not applicable	not applicable
Sodium hydroxide	not applicable	not applicable	not applicable	not applicable	not applicable
Tetrasodium Ethylenediaminetetraacetate	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
Propane	no data available	no data available	no data available	no data available	<=2.8 2.3
Isobutane	no data available	no data available	no data available	no data available	<=2.8 2.88 at 20 °C
Sodium hydroxide	no data available	LC50= 45.4 mg/L Oncorhynchus mykiss 96 h	no data available	no data available	N/A
Tetrasodium Ethylenediaminetetraacetate	EC50= 1.01 mg/L Desmodesmus	LC50= 41 mg/L Lepomis macrochirus 96 h LC50= 59.8	no data available	EC50 = 610 mg/L 24 h	N/A

	subspicatus 72 h	mg/L Pimephales promelas 96 h			

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 Warning! Container 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 Consumer Commodity
Hazard Class ORM-D
Description Consumer Commodity, ORM-D

TDG
Proper shipping name Consumer Commodity
Hazard Class ORM-D
Description Consumer Commodity ORM-D

ICAO
UN-No UN1950
Proper Shipping Name Aerosols, non-flammable
Hazard Class 2.2
Shipping Description UN1950, Aerosols, non-flammable, 2.2, LTD QTY

IATA
UN-No UN1950
Proper Shipping Name Aerosols, non-flammable
Hazard Class 2.2
ERG Code 126
Shipping Description UN1950, Aerosols, non-flammable, 2.2, LTD QTY

IMDG/IMO
Proper Shipping Name Aerosols
Hazard Class 2.2
UN-No UN1950
Shipping Description UN1950, Aerosols, 2.2, 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 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	No	No	Yes	No

CERCLA

Component	Hazardous Substances RQs	CERCLA EHS RQs
Propane	Not applicable	Not applicable
Isobutane	Not applicable	Not applicable
Sodium hydroxide	Not applicable	Not applicable
Tetrasodium Ethylenediaminetetraacetate	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, E Corrosive material, D2B Toxic materials.

16. OTHER INFORMATION

Prepared By Mike McDowell
Supercedes Date Not applicable

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

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