Material Safety Data Sheet: CA-NF

Supercedes Date 06/22/2009 **Issuing Date** 04/06/2010

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name CA-NF
Recommended Use Use in drains
Information on Manufacturer
CERTIFIED LABS, DIV. OF NCH CORP.
BOX 152170
IRVING, TEXAS 75015

Product Code 4416
Chemical Nature Mixture of inorganic salts
Emergency Telephone Number
CHEMTREC ® 800-424-9300

2. HAZARDS IDENTIFICATION

Emergency Overview
DANGER
Poison
Water reactive substance. Reacts with water to release flammable gas. May cause fire
Oxidizing agent
Corrosive
Causes skin and eye burns
Harmful if inhaled and may cause delayed lung injury
Harmful or fatal if swallowed

Color Blue **Physical State** Granular **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.
Ingestion	Harmful or fatal if swallowed. Ingestion causes burns of the upper digestive and respiratory tracts. Components of the product create formation of methemoglobin.
Chronic Toxicity	Harmful if inhaled and may cause delayed lung injury
Target Organ Effects	Eyes, Skin, Respiratory system, Central Nervous System, Cardiovascular system, Blood.
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
Sodium hydroxide	1310-73-2
Petroleum distillates, hydrotreated light	64742-47-8
Aluminum	7429-90-5
Sodium nitrate	7631-99-4

4. FIRST AID MEASURES

General Advice	Do not get in eyes, on skin, or on clothing. Avoid breathing dust.
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. Wipe up with absorbent material (e.g. cloth, fleece). 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 The product is not flammable **Method** Not applicable
Autoignition Temperature No information available.
Flammability Limits in Air % Hydrogen. **Upper** 75 **Lower** 4
Suitable Extinguishing Media
Dry chemical.
Unsuitable Extinguishing Media
None known.
Specific hazards arising from the chemical

Contact with metals liberates hydrogen gas. Water reactive.

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.

NFPA **Health** 3 **Flammability** 1 **Instability** 1 **Other** Water Reactive

HMIS **Health** 3 **Flammability** 1 **Instability** 1

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions Wear protective gloves/clothing. Avoid contact with skin, eyes, and clothing. Avoid breathing dust.

Environmental Precautions Prevent further leakage or spillage if safe to do so.

Methods for Containment Cover powder spill with plastic sheet or tarp to minimize spreading.

Methods for Cleaning Up Pick up and transfer to properly labeled containers.

Neutralizing Agent Acetic acid, diluted. Wear suitable protective clothing, gloves and eye/face protection.

7. HANDLING AND STORAGE

Handling Do not get in eyes, on skin, or on clothing. Do not breathe vapors/dust. Avoid dust formation.

Storage Keep container tightly closed in a dry and well-ventilated place. Do not store near combustible materials. Metal containers must be lined. Do not freeze.

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
Sodium hydroxide	2 mg/m^3 Ceiling	2 mg/m^3 TWA	10 mg/m^3 IDLH : 2 mg/m^3 Ceiling
Petroleum distillates, hydrotreated light	5 mg/m^3 as oil mist	10 mg/m^3 as oil mist	No data available
Aluminum	1 mg/m^3 TWA (respirable fraction)	15 mg/m^3 TWA (total dust); 5 mg/m^3 TWA (respirable fraction)	10 mg/m^3 TWA (total dust); 5 mg/m^3 TWA (respirable dust) : 5 mg/m^3 TWA (Al)
Sodium nitrate	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 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.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Granular	**Viscosity**	Solid
Color	Blue	**Odor**	Odorless
Appearance	Opaque	**pH**	@ 10% -14
Specific Gravity	1.18	**Evaporation Rate**	0
Percent Volatile (Volume)	No information available	**VOC Content (%)**	1.5
Vapor Pressure	<0.1 mmHg @ 68 °F	**Vapor Density**	0.6
Solubility	Partly soluble	**Boiling Point/Range**	Not applicable

10. STABILITY AND REACTIVITY

Chemical Stability Stable under normal conditions. Hazardous polymerization does not occur.

Conditions to Avoid Heat, flames, and sparks

Incompatible Products Strong oxidizing agents, Reducing agents, Contact with metals liberates hydrogen gas.

Hazardous Decomposition Products Carbon oxides, Sodium oxides, Nitrogen oxides (NOx).

Possibility of Hazardous Reactions Water reactive, Oxidizing properties.

11. TOXICOLOGICAL INFORMATION

Product Information No information available.

Component Information

Acute toxicity

Component	LD50 Oral	LD50 Dermal	LC50 Inhalation	Draize Test	Other
Sodium hydroxide	no data available	1350 mg/kg (Rabbit)	no data available	no data available	no data available
Petroleum distillates, hydrotreated	5000 mg/kg (Rat)	2000 mg/kg (Rabbit)	5.2 mg/L (Rat) 4 h	no data available	no data available

light					
Aluminum	no data available	no data available	no data available	no data available	no data available
Sodium nitrate	1267 mg/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
Sodium hydroxide	no data available	no data available	no data available	no data available	eyes, respiratory system, skin
Petroleum distillates, hydrotreated light	no data available	no data available	no data available	no data available	CNS, cardiovascular system, respiratory system
Aluminum	no data available	no data available	no data available	no data available	eyes, respiratory system, skin skin, respiratory system
Sodium nitrate	no data available	no data available	no data available	no data available	Blood, CNS, heart, liver, kidneys

Carcinogenicity There are no known carcinogenic chemicals in this product.

Component	ACGIH	IARC	NTP	OSHA	Other
Sodium hydroxide	not applicable	not applicable	not applicable	not applicable	not applicable
Petroleum distillates, hydrotreated light	not applicable	not applicable	not applicable	not applicable	not applicable
Aluminum	not applicable	not applicable	not applicable	not applicable	not applicable
Sodium nitrate	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
Sodium hydroxide	no data available	LC50= 45.4 mg/L Oncorhynchus mykiss 96 h	no data available	no data available	N/A
Petroleum distillates, hydrotreated light	no data available	LC50= 2.2 mg/L Lepomis macrochirus 96 h LC50= 45 mg/L Pimephales promelas 96 h LC50= 2.4 mg/L Oncorhynchus mykiss 96 h	no data available	LC50 = 4720 mg/L 96 h	N/A
Aluminum	no data available	no data available	no data available	no data available	N/A
Sodium nitrate	no data available	LC50 994.4-1107 mg/L Oncorhynchus mykiss 96 h LC50= 2000 mg/L Lepomis macrochirus 96 h	no data available	no data available	-3.8 at 25 °C

Persistence and Degradability No information available.
Bioaccumulation No information available.
Mobility No information available.

13. DISPOSAL CONSIDERATIONS

Product Disposal Dispose of as hazardous waste in compliance with local and national regulations.
Container Disposal Do not re-use empty containers.

14. TRANSPORT INFORMATION

DOT

Proper Shipping Name Sodium hydroxide, solid, mixture
Hazard Class 8
UN-No UN1823
Packing Group II
Description Sodium hydroxide, solid,mixture,8,UN1823,PG II

TDG

Proper shipping name Sodium hydroxide, solid, mixture
Hazard Class 8
UN-No UN1823
Packing Group II
Description SODIUM HYDROXIDE, SOLID, MIXTURE,8,UN1823,PG II

ICAO

UN-No UN1823
Proper Shipping Name Sodium hydroxide, solid, mixture
Hazard Class 8
Packing Group II
Shipping Description Sodium hydroxide, solid, mixture,8,UN1823,PG II

IATA

UN-No	UN1823
Proper Shipping Name	Sodium hydroxide, solid, mixture
Hazard Class	8
Packing Group	II
ERG Code	8S
Shipping Description	UN1823,Sodium hydroxide, solid, mixture,8,PG II

IMDG/IMO

Proper Shipping Name	Sodium hydroxide, solid, mixture
Hazard Class	8
UN-No	UN1823
Packing Group	II
EmS No.	F-A, S-B
Shipping Description	UN1823, Sodium hydroxide, solid, mixture,8,PG II

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 contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40n of the Code of Federal Regulations, Part 372

Component	CAS-No	Weight %	SARA 313 - Threshold Values
Aluminum	7429-90-5	3-7	1.0 % de minimis concentration (dust or fume only)
Sodium nitrate	7631-99-4	15-40	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	No	Yes

CERCLA

Component	Hazardous Substances RQs	CERCLA EHS RQs
Sodium hydroxide	Not applicable	Not applicable
Petroleum distillates, hydrotreated light	Not applicable	Not applicable
Aluminum	Not applicable	Not applicable
Sodium nitrate	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

E Corrosive material, D2B Toxic materials, B6 Reactive flammable material, C Oxidizing materials.

16. OTHER INFORMATION

Prepared By	Anita Stelly
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Reason for Revision	No information available.
Glossary	No information available.
List of References.	No information available.

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