Safety Data Sheet: FLOOR DRAIN PKG - ND-66 (50#)

Supercedes Date 11/02/2015 **Issuing Date** 10/26/2017

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name FLOOR DRAIN PKG - ND-66 (50#)
Recommended use Water treatment chemical
Information on Manufacturer
CHEMSEARCH DIV. OF NCH CORP.
BOX 152170
IRVING, TX 75015

Product Code 4416
Chemical nature Mixture
Emergency Telephone Number

Telephone inquiry
972-579-2477

2. HAZARD IDENTIFICATION

Color Blue **Physical state** Solid **Odor** Odorless

GHS Classification

Physical Hazards

Corrosive to Metals	Category 1

Health Hazard

Acute Oral Toxicity	Category 4
Acute Dermal Toxicity	Category 4
Skin Corrosion/Irritation	Category 1
Serious Eye Damage/Eye Irritation	Category 1

Other hazards
None

Labeling
Signal Word
DANGER

Hazard statements
H314 - Causes severe skin burns and eye damage
H312 - Harmful in contact with skin
H302 - Harmful if swallowed
H290 - May be corrosive to metals

Precautionary Statements
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 dust
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.
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.

5 % of the mixture consists of ingredient(s) of unknown toxicity.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS No.	Weight %
Sodium hydroxide	1310-73-2	40-70

Sodium nitrate	7631-99-4	15-40
Aluminum	7429-90-5	3-7
Petroleum distillates, hydrotreated light	64742-47-8	1-5
Sodium chloride	7647-14-5	1-5
Sodium carbonate	497-19-8	1-5

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

4. FIRST AID MEASURES

General advice Do not get in eyes, on skin or on clothing. Do not breathe 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 Wipe up with absorbent material (e.g. cloth, fleece). 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 Does not flash **Method** No data available

Flammability Limits in Air %: Hydrogen, by reaction with metals. **Upper:** 75 **Lower:** 4

Suitable Extinguishing Media

Dry chemical. Carbon dioxide (CO2). Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Specific hazards arising from the chemical

Contact with metals liberates flammable hydrogen gas. Water reactive.

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.

NFPA	**Health** 3	**Flammability** 0	**Instability** 1	**Other** Water Reactive
HMIS -	**Health** 3	**Flammability** 0	**Instability** 0	

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions Use personal protective equipment. Prevent further leakage or spillage if safe to do so.

Environmental Precautions No special environmental precautions required.

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

Methods for Cleaning Up Pick up and arrange disposal without creating dust.

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

7. HANDLING AND STORAGE

Handling Do not get in eyes, on skin or on clothing. Do not breathe dust.

Storage Store in original container. Metal containers must be lined. Keep containers tightly closed in a dry, cool and well-ventilated place.

Storage Temperature **Minimum** 36 °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	Ceiling: 2 mg/m^3	TWA: 2 mg/m^3	10 mg/m^3 Ceiling: 2 mg/m^3
Aluminum	TWA: 1 mg/m^3 respirable fraction	TWA: 15 mg/m^3 total dust TWA: 5 mg/m^3 respirable fraction	TWA: 10 mg/m^3 total dust TWA: 5 mg/m^3 respirable dust TWA: 5 mg/m^3
Petroleum distillates, hydrotreated light	525 mg/m^3 TWA	No data available	No data available
Sodium chloride	No data available	5 mg/m^3 PNOR (as solid)	No data available

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 suitable protective clothing, Impervious gloves.
Respiratory Protection	In case of insufficient ventilation wear suitable respiratory equipment. 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	Solid	**Viscosity**	Granular
Color	Blue	**Odor**	Odorless
Odor Threshold	Not applicable	**Appearance**	Opaque
pH	(10 % solution) 14	**Specific Gravity**	1.18
Bulk Density (lb/cu ft)	81.4	**Evaporation Rate**	0
Percent Volatile (Volume)	4.1	**VOC Content (%)**	1.5
VOC Content (g/L)	18	**Vapor Pressure**	<0.01 mmHg @ 70°F
Vapor Density	6.6	**Solubility**	Partly soluble
n-Octanol/Water Partition	No data available	**Melting Point/Range**	No data available
Decomposition Temperature	No data available	**Boiling Point/Range**	Not applicable
Flammability (solid, gas)	No data available		
Flash Point	Does not flash	**Method**	No data available
Autoignition Temperature	No information available.		
Flammability Limits in Air %:	Hydrogen, by reaction with metals	**Upper:** 75 **Lower:** 4	

10. STABILITY AND REACTIVITY

Chemical Stability	Stable under normal conditions. Hazardous polymerization does not occur.
Conditions to Avoid	Keep away from open flames, hot surfaces, and sources of ignition, Protect from moisture.
Incompatible Products	Strong oxidizing agents, Reducing agents, Contact with metals liberates hydrogen gas, Water.
Decomposition Temperature	No data available
Hazardous Decomposition Products	Carbon oxides, Nitrogen oxides (NOx), Sodium oxides.
Possibility of Hazardous Reactions	Water reactive, Oxidizing properties.

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	Eye contact, Skin 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.
Ingestion	Harmful or fatal if swallowed. If ingested, severe burns of the mouth and throat, as well as a danger of perforation of the esophagus and the stomach. Components of the product create formation of methemoglobin.
Chronic Toxicity	Harmful if inhaled and may cause delayed lung injury.
Target Organ Effects	Respiratory system, Skin, Eyes.
Aggravated Medical Conditions	Respiratory disorders, Skin disorders.

Component Information

Acute Toxicity

Component	Oral LD50	Dermal LD50	Inhalation LC50	Draize Test	Other
Sodium hydroxide 1310-73-2	No data available	= 1350 mg/kg (Rabbit)	No data available	No data available	No data available
Sodium nitrate 7631-99-4	= 1267 mg/kg (Rat)	no data available	No data available	No data available	No data available
Petroleum distillates,	> 5000 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	no data available	No data available	No data available

hydrotreated light 64742-47-8					
Sodium chloride 7647-14-5	= 3 g/kg (Rat)	no data available	> 42 g/m^3 (Rat) 1 h	No data available	No data available
Sodium carbonate 497-19-8	= 4090 mg/kg (Rat)	no data available	= 2300 mg/m^3 (Rat) 2 h	No data available	No data available

Chronic Toxicity

Component	Mutagenicity	Sensitization	Developmental Toxicity	Reproductive Toxicity	Target Organ Effects
Sodium hydroxide 1310-73-2	No data available	No data available	No data available	No data available	Skin; Eyes; Respiratory system
Aluminum 7429-90-5	No data available	No data available	No data available	No data available	Skin; Eyes; Respiratory system

Carcinogenicity There are no known carcinogenic chemicals in this product.

12. ECOLOGICAL INFORMATION

Product Information No information available.

Component Information

Component	Toxicity to Algae	Toxicity to Fish	Microtox	Crustacea	Partition coefficien
Sodium hydroxide	No information available.	LC50 = 45.4 mg/L Oncorhynchus mykiss 96 h	No information available	No information available.	N/A
Sodium nitrate	No information available.	LC50 = 2000 mg/L Lepomis macrochirus 96 h LC50 994.4 - 1107 mg/L Oncorhynchus mykiss 96 h	No information available	No information available.	-3.8
Petroleum distillates, hydrotreated light	No information available.	LC50 = 45 mg/L Pimephales promelas 96 h LC50 = 2.2 mg/L Lepomis macrochirus 96 h LC50 = 2.4 mg/L Oncorhynchus mykiss 96 h	No information available	No information available.	N/A
Sodium chloride	No information available.	LC50 5560 - 6080 mg/L Lepomis macrochirus 96 h LC50 = 12946 mg/L Lepomis macrochirus 96 h LC50 6020 - 7070 mg/L Pimephales promelas 96 h LC50 = 7050 mg/L Pimephales promelas 96 h LC50 6420 - 6700 mg/L Pimephales promelas 96 h LC50 4747 - 7824 mg/L Oncorhynchus mykiss 96 h	No information available	1000: 48 h Daphnia magna mg/L EC50 340.7 - 469.2: 48 h Daphnia magna mg/L EC50 Static	N/A
Sodium carbonate	No information available.	LC50 = 300 mg/L Lepomis macrochirus 96 h LC50 310 - 1220 mg/L Pimephales promelas 96 h	No information available	265: 48 h Daphnia magna mg/L EC50	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 Empty containers should be taken for local recycling, recovery, or waste 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 UN1823, SODIUM HYDROXIDE, SOLID, MIXTURE, 8, P.G. II

TDG

Proper shipping name	SODIUM HYDROXIDE, SOLID, MIXTURE
Hazard Class	8
UN-No	UN1823
Packing Group	II
Description	UN1823, SODIUM HYDROXIDE, SOLID, MIXTURE, 8, P.G. II

ICAO

UN-No	UN1823
Proper Shipping Name	SODIUM HYDROXIDE, SOLID, MIXTURE
Hazard Class	8
Packing Group	II
Shipping Description	UN1823, SODIUM HYDROXIDE, SOLID, MIXTURE, 8, P.G. II

IATA

UN-No	UN1823
Proper Shipping Name	SODIUM HYDROXIDE, SOLID, MIXTURE
Hazard Class	8
Packing Group	II
Shipping Description	UN1823, SODIUM HYDROXIDE, SOLID, MIXTURE, 8, P.G. II

IMDG/IMO

Proper Shipping Name	SODIUM HYDROXIDE, SOLID, MIXTURE
Hazard Class	8
UN-No	UN1823
Packing Group	II
Description	UN1823, SODIUM HYDROXIDE, SOLID, MIXTURE, 8, P.G. 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 40 of the Code of Federal Regulations, Part 372:

Component	CAS No.	Weight %	SARA 313 - Threshold Values
Sodium nitrate	7631-99-4	15-40	1.0
Aluminum	7429-90-5	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	No	No	No	Yes

CERCLA

Component	Hazardous Substances RQs	CERCLA EHS RQs
Sodium hydroxide	1000 lb	Not applicable

16. OTHER INFORMATION

Prepared By	Samantha Purvis
Supercedes Date	11/02/2015
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Reason for Revision	No information available.
Glossary	No information available.
List of References.	No information available.

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