

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

Supersedes Date 04/06/2010

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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

Oxidizing solids
Corrosive to metals

Category 1

Health Hazard

Skin Corrosion/Irritation
Serious Eye Damage/Eye Irritation
Specific target organ toxicity (repeated exposure)

Category 1

Category 1

Category 2

Other hazards

None

Labeling

Signal Word

DANGER



Hazard statements

H272 - May intensify fire; oxidizer
H314 - Causes severe skin burns and eye damage
H373 - May cause damage to organs through prolonged or repeated exposure
H290 - May be corrosive to metals

Precautionary Statements

P280 - Wear protective gloves, protective clothing and eye protection.
P210 - Keep away from heat, sparks, open flames or hot surfaces.
P221 - Take any precaution to avoid mixing with combustibles
P370 + P378 - In case of fire: use water, alcohol foam, dry chemical or carbon dioxide for extinction
P260 - Do not breathe dust
P264 - Wash face, hands and any exposed skin thoroughly after handling
P303 + P361 + P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower
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.
P312 - Call a physician if unwell.
P301 + P330 + P331 - IF SWALLOWED: Rinse mouth. DO NOT induce vomiting. Call a physician if unwell.
P220 - Keep from contact with clothing and other combustible materials
P402 + P404 - Store in a dry place. Store in a closed container
P406 - Store in a corrosion-resistant container.
P390 - Absorb spillage to prevent damage
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 Not applicable |
| Flammability Limits in Air %: Hydrogen, by reaction with metals. | Upper: 75 Lower: 4 |
| Suitable Extinguishing Media | Dry chemical. Carbon dioxide (CO ₂). 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 1 Instability 1 Other Water Reactive |
| 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. |
| 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 vapors/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

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) | 0 | VOC Content (%) | 1.5 |
| VOC Content (g/L) | 0 | 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 | Not applicable |
| 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 (NO _x), 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

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 Central nervous system, Respiratory system, Liver, Kidney, Blood, Heart, Skin, Eyes.

Aggravated Medical Conditions Neurological disorders, Liver disorders, Kidney disorders, Blood disorders, Respiratory

disorders, Heart disease, 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, hydrotreated light 64742-47-8 | > 5000 mg/kg (Rat) | > 2000 mg/kg (Rabbit) | no data available | no data available | no data available |
| 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 |

| 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.

| Component | ACGIH | IARC | NTP | OSHA | Other |
|-----------------------------|----------------|----------------|----------------|----------------|----------------|
| Sodium nitrate 7631-99-4 | 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 | Crustacea | log Pow |
|---|---------------------------|---|--------------------------|--|---------|
| 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 does not contain any 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 Rachael Mohochi
 Supersedes Date 04/06/2010
 Issuing Date 11/02/2015
 Reason for Revision No information available.
 Glossary No information available.
 List of References. No information available.

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