



# Safety Data Sheet ND 66

Supersedes Date NOV 2018

Issuing Date JUNE 2020

## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name** ND 66

**Recommended use** Drain cleaner/opener

**Manufacturer, importer, supplier**

NCH AUSTRALIA PTY LTD, DIV. OF NCH CORPORATION  
5-9 RALPH STREET, ALEXANDRA, NSW -2015

**Telephone inquiry**

+61-2-96690260

**Emergency Telephone Number**

+61-2-96690237 / 0401718972

**Fax number**

+61-2-96931562

**Product Code** 4416

**Chemical nature** mixture

**Distributor**

MEGA DISTRIBUTORS NEW ZEALAND  
P.O Box 101085, North Shore Mail Centre, New Zealand

**Telephone inquiry**

+64-9-473-6505

**Emergency Telephone Number**

+61-27-458-5684

**Fax number**

+64-9-473-6301

## 2. HAZARD IDENTIFICATION

Colour Blue

Physical State Solid

Odour Odourless

**GHS****Classification**Physical Hazards

Substances/mixtures corrosive to metal

Category 1

Health Hazard

Serious Eye Damage/Eye Irritation

Category 1

Specific target organ systemic toxicity (single exposure)

Category 3

Other Hazards**Labelling**Signal Word**Danger**HazardStatements

H290 - May be corrosive to metals

H314 - Causes severe skin burns and eye damage

H335 - May cause respiratory irritation

PrecautionaryStatements

P234 - Keep only in original container

P260 - Do not breathe dust

P264 - Wash face, hands and any exposed skin thoroughly after handling.

P271 - Use in a well-ventilated area.

P280 - Wear protective gloves, protective clothing and eye protection.

P301 + P330 + P331 - IF SWALLOWED: Rinse mouth. DO NOT induce vomiting. Call a physician if unwell.

P303 + P361 + P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.

P303 + P361 + P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower

P363 - Wash contaminated clothing before reuse

P304 + P340 - IF INHALED: Remove person to fresh air and keep at rest in a position comfortable for breathing.

P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P312 - Call a physician if unwell.

P390 - Absorb spillage to prevent damage.

P406 - Store in corrosive resistant high density polyethylene (HDPE) container with a resistant in liner

P403 + P233 - Store in a well-ventilated place. Keep container tightly closed.

P501 - Dispose of contents and container in accordance with applicable local regulations.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

SODIUM HYDROXIDE	1310-73-2	Present	55-75
SODIUM NITRATE	7631-99-4	Present	30-50
INGREDIENTS DETERMINED NOT TO BE HAZARDOUS	-	-	UP TO 100 %

### 4. FIRST AID MEASURES

<b>General advice</b>	Do not breathe dust. Do not get in eyes, on skin or on clothing.
<b>Eye Contact</b>	In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention immediately.
<b>Skin Contact</b>	Remove immediately all contaminated clothing. Wash off immediately with plenty of water for at least 15 minutes. Get medical attention immediately.
<b>Inhalation</b>	Move to fresh air. If not breathing, give artificial respiration. Get medical attention immediately.
<b>Ingestion</b>	Never give anything by mouth to an unconscious person. Drink 1 or 2 glasses of water. Do NOT induce vomiting. Get medical attention immediately. Show the label to the Doctor. Rinse mouth.
<b>Notes to physician</b>	The product causes burns of eyes, skin and mucous membranes.

### 5. FIRE-FIGHTING MEASURES

<b>Flash Point</b>	Not applicable	<b>Method</b>	Not applicable
<b>Auto ignition Temperature</b>	No information available.		
<b>Flammability Limits in Air %.</b>	<b>Upper 75</b>	<b>Lower 4</b>	
<b>Suitable Extinguishing Media</b>	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Foam. Carbon dioxide (CO <sub>2</sub> ), Foam, Dry Chemical or Water fog. Dry chemical.		
<b>Specific hazards arising from the chemical</b>	Contact with metals liberates flammable hydrogen gas. Water reactive.		
<b>Protective Equipment and Precautions for Firefighters</b>	As in any fire, wear self-contained breathing apparatus pressure-demand, Safe Work, Australia (approved or equivalent) and full protective gear.		

### 6. ACCIDENTAL RELEASE MEASURES

<b>Personal Precautions</b>	Avoid contact with the skin and the eyes. Avoid dust formation. Wear protective gloves/clothing and eye/face protection.
<b>Environmental Precautions</b>	Avoid release of neat product into surface water and sanitary sewage system.
<b>Methods for Containment</b>	Pick up and arrange disposal without creating dust.
<b>Methods for Cleaning Up</b>	Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust)
<b>Neutralizing Agent</b>	Not applicable.

### 7. HANDLING AND STORAGE

<b>Handling</b>	Training : Due to the hazardous nature of this product, training in its use is recommended Avoid contact with skin, eyes and clothing Avoid breathing vapours or mists Do not eat, drink or smoke when using this product Ensure adequate ventilation			
<b>Storage</b>	Store in original container Keep containers tightly closed in a dry, cool and well-ventilated place			
<b>Storage Temperature</b>	<b>Minimum</b>	2°C	<b>Maximum</b>	49°C
<b>Storage Conditions</b>	<b>Indoor</b>	x	<b>Outdoor</b>	<b>Heated</b> <b>Refrigerated</b>

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Component	ES-TWA	ISHL	ACGIH TLV
SODIUM HYDROXIDE	Peak: 2 mg/m <sup>3</sup>	no data available	Ceiling: 2 mg/m <sup>3</sup>
SODIUM NITRATE		no data available	No data available
ALUMINIUM GRANULES	TWA: 10 mg/m <sup>3</sup> TWA: 5 mg/m <sup>3</sup>	no data available	TWA: 1 mg/m <sup>3</sup>
INGREDIENTS DETERMINED NOT TO BE HAZARDOUS		no data available	No data available

**Engineering Measures**

Ensure adequate ventilation, especially in confined areas.

**Personal Protective Equipment****Respiratory Protection**

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

**Eye/Face Protection**

Safety glasses with side-shields

**Hand Protection**

Wear suitable protective gloves. Short term use e.g. occasional contact or splash protection; Nitrile rubber For break through times, refer to glove manufacturers recommendations Long term use e.g.: continuous wear or immersion; Fluorinated rubber Butyl rubber Break through time 10 - 480 mins Protective creams may be used for additional protection

**Skin Protection**

Wear suitable protective clothing

**General Hygiene Considerations**

Do not eat, drink or smoke when using this product. Remove and wash contaminated clothing before re-use.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Opaque
Colour	Blue
Physical State	Solid
Odour	Odourless
Odour Threshold	No data available
pH	14 (as 10% solution)
Melting Point/Range	No data available
Freezing Point	No information available
Boiling Point/Range	Not applicable
Flash Point	Not applicable
Method	Not applicable
Evaporation Rate	0
Solubility	Partially soluble in water
Vapour Density	6.6
Specific Gravity	1.18
Auto ignition Temperature	No information available.
Viscosity	Granular
Molecular Weight	No data available
Percent Volatile (Volume)	3.6
VOC Content (%)	1.5
VOC Content (g/L)	15.5
Vapour Pressure	<0.01 mmHg @ 21°C

## 10. STABILITY AND REACTIVITY

<b>Chemical Stability</b>	Stable under normal conditions. Hazardous polymerization does not occur.
<b>Conditions to Avoid</b>	Keep away from open flames, hot surfaces, and sources of ignition, Protect from moisture & water.
<b>Incompatible Products</b>	Strong oxidizing agents, Reducing agents, Contact with metals liberates hydrogen gas, Water.
<b>Hazardous Decomposition Products</b>	Oxides of Carbon, Nitrogen, and Sodium.
<b>Possibility of Hazardous Reactions</b>	Water reactive, Oxidizing properties.

## 11. TOXICOLOGICAL INFORMATION

### Product Information

**Principle Route of Exposure**                      None reasonably foreseeable

The following values are calculated based on chapter 3.1 of the GHS document (Rev. 3, 2009):

**Oral LD50**    1,267.00                      mg/kg  
**Dermal LD50**                                        1,350.00                      mg/kg

**Inhalation LC50**  
**Gas**    Not applicable  
**Mist**     not applicable  
**Vapour**    not applicable

**Primary Routes of Entry**                        None known

### Main Symptoms

#### Acute Effects

**Eyes**    May cause slight irritation  
**Skin**    Substance may cause slight skin irritation  
**Inhalation**    May cause irritation of respiratory tract  
**Ingestion**    Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea

**Chronic Effects**                                    Inhaled corrosive substances can lead to a toxic edema of the lungs

**Target Organ Effects**                            No information available

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

### 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
SODIUM NITRATE	= 1267 mg/kg ( Rat )	no data available	no data available	no data available	no data available
ALUMINIUM GRANULES	no data available	no data available	no data available	no data available	no data available
INGREDIENTS DETERMINED NOT TO BE HAZARDOUS	no data available	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
SODIUM NITRATE	no data available	no data available	no data available	no data available	no data available
ALUMINIUM GRANULES	no data available	no data available	no data available	no data available	eyes, respiratory system, skin
INGREDIENTS DETERMINED NOT TO BE HAZARDOUS	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	ES	ACGIH	IARC	NTP	Other

SODIUM HYDROXIDE	not applicable	not applicable	not applicable	not applicable	not applicable
SODIUM NITRATE	not applicable	not applicable	not applicable	not applicable	not applicable
ALUMINIUM GRANULES	not applicable	not applicable	not applicable	not applicable	not applicable
INGREDIENTS DETERMINED NOT TO BE HAZARDOUS	not applicable	not applicable	not applicable	not applicable	not applicable

## 12. ECOLOGICAL INFORMATION

**Product Information** No data 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
SODIUM NITRATE	no data available	LC50 = 2000 mg/L Lepomis macrochirus 96 h LC50 994.4 - 1107 mg/L Oncorhynchus mykiss 96 h	no data available	no data available	-3.8
ALUMINIUM GRANULES	no data available	no data available	no data available	no data available	N/A
INGREDIENTS DETERMINED NOT TO BE HAZARDOUS	no data available	no data available	no data available	no data available	N/A

#### Eco toxicity effects

Can harm aquatic organisms.

#### Persistence and Degradability

The product is inorganic & is readily biodegradable.

#### Bioaccumulation

Readily dissociates in environment .No bioaccumulation.

#### Mobility

Will likely be mobile in the environment due to its water solubility but will likely degrade over time.

## 13. DISPOSAL CONSIDERATIONS

### Product Disposal Container Disposal

Dispose of contents/container in accordance with local regulation  
Empty containers should be taken for local recycling, recovery, or waste disposal

## 14. TRANSPORT INFORMATION

#### ADG 7

<b>UN-No</b>	UN1823
<b>Proper Shipping Name</b>	Sodium hydroxide, solid mixture
<b>Hazard Class</b>	8
<b>Packing Group</b>	II
<b>Hazard Code</b>	2W
<b>Shipping Description</b>	UN1823, Sodium hydroxide, solid mixture, 8, PG II

**15. REGULATORY INFORMATION****Australia**

POISON SCHEDULE (SUSMP)                      Schedule 6

**16. OTHER INFORMATION**

Prepared By	Arvind Rane
Super cedes Date	NOV 2018
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Reason for Revision	GHS-SDS FORMAT
List of References.	No information available.

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