Safety Data Sheet
according to UK REACH (SI 2020/1577) as amended

Printing date 12.08.2025 Version number 1 Revision: 12.08.2025

SECTION 1: Identification of the substance/mixture and of the company/undertaking

· **1.1 Product identifier**

· **Trade name: Drain Opener**

· **Product Code:** INDDRAIN

· **Registration number** Mixture
· **1.2 Relevant identified uses of the substance or mixture and uses advised against**
· **Product category** PC35 Washing and cleaning products (including solvent based products)
· **Application of the substance / the mixture** Cleaning agent/ Cleaner
· **Uses advised against** The product is strictly intended for industrial or professional use only.

· **1.3 Details of the supplier of the safety data sheet**
· **Supplier:**
Kitchenmaster Group Ltd
11 Comber Road
Carryduff
Belfast, BT8 8AN

Tel: 028 9081 4777
Email: sales@kitchenmaster-ni.com

· **Further information obtainable from:** Product safety department.
· **1.4 Emergency telephone number:**
Members of the public seeking specific information on poisons should contact:
In England and Wales: NHS 111 - dial 111
In Scotland: NHS 24 - dial 111

SECTION 2: Hazards identification

· **2.1 Classification of the substance or mixture**
· **Classification according to GB-CLP**

Met. Corr.1	H290 May be corrosive to metals.
Skin Corr. 1A	H314 Causes severe skin burns and eye damage.
Eye Dam. 1	H318 Causes serious eye damage.
Aquatic Acute 1	H400 Very toxic to aquatic life.
Aquatic Chronic 2	H411 Toxic to aquatic life with long lasting effects.

· **2.2 Label elements**
· **Labelling according to GB-CLP** The product is classified and labelled according to the GB CLP regulation.
· **Hazard pictograms**

GHS05 GHS09

· **Signal word** Danger

· **Hazard-determining components of labelling:**
Sodium hydroxide

(Contd. on page 2)

Safety Data Sheet
according to UK REACH (SI 2020/1577) as amended

Printing date 12.08.2025 Version number 1 Revision: 12.08.2025

Trade name: Drain Opener

(Contd. of page 1)

Sodium hypochlorite
N,N-dimethyltetradecylamine N-oxide

· **Hazard statements**
H290 May be corrosive to metals.
H314 Causes severe skin burns and eye damage.
H410 Very toxic to aquatic life with long lasting effects.

· **Precautionary statements**
P260 Do not breathe mist/vapours/spray.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
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 POISON CENTER/doctor.
P501 Dispose of contents/container in accordance with local regulations.

· **Additional information:**
EUH031 Contact with acids liberates toxic gas.
Contains biocidal active substance(s): Sodium hypochlorite

· **2.3 Other hazards**
· **Results of PBT and vPvB assessment**
· **PBT:** Not applicable.
· **vPvB:** Not applicable.

SECTION 3: Composition/information on ingredients

· **3.2 Mixtures**
· **Description:** An aqueous solution of the substances listed below with multifunctional additives.

· **Dangerous components:**		
CAS: 1310-73-2 EINECS: 215-185-5 Index number: 011-002-00-6 Reg.nr.: 01-2119457892-27-XXXX	Sodium hydroxide Met. Corr.1, H290; Skin Corr. 1A, H314 Specific concentration limits: Skin Corr. 1A; H314: C ≥ 5 % Skin Corr. 1B; H314: 2 % ≤ C < 5 % Skin Irrit. 2; H315: 0.5 % ≤ C < 2 % Eye Irrit. 2; H319: 0.5 % ≤ C < 2 %	5 – 10%
CAS: 7681-52-9 EINECS: 231-668-3 Index number: 017-011-00-1 Reg.nr.: 01-2119488154-34-XXXX	Sodium hypochlorite Skin Corr. 1B, H314; Eye Dam. 1, H318; Aquatic Acute 1, H400 (M=10); Aquatic Chronic 1, H410 (M=1), EUH031 Note: B Specific concentration limit: EUH031: C ≥ 5 %	5 – < 10%
CAS: 3332-27-2 EINECS: 222-059-3 Reg.nr.: 01-2119949262-37-XXXX	N,N-dimethyltetradecylamine N-oxide Eye Dam. 1, H318; Aquatic Acute 1, H400; Aquatic Chronic 2, H411; Acute Tox. 4, H302; Skin Irrit. 2, H315	3 – < 10%

· **Additional information:** For the wording of the listed hazard phrases refer to section 16.

(Contd. on page 3)

Safety Data Sheet
according to UK REACH (SI 2020/1577) as amended

Printing date 12.08.2025 Version number 1 Revision: 12.08.2025

Trade name: Drain Opener

(Contd. of page 2)

SECTION 4: First aid measures

· **4.1 Description of first aid measures**
· **General information:**
Immediately remove any clothing soiled by the product.
Personal protection for the First Aider.
Rinse contaminated clothes (fire hazard) with plenty of water.
· **After inhalation:**
In case of inhalation:
- Provide fresh air.
- In case of breathing difficulties administer oxygen.
- No mouth-to-mouth or mouth-to-nose resuscitation. Use respiratory bag or oxygen resuscitation apparatus.
- Do not leave patient unattended.
If rapid recovery does not occur, transport to nearest medical facility for additional treatment.
· **After skin contact:**
Immediately rinse with water.
If skin irritation continues, consult a doctor.
Chemical burns must be treated promptly by a physician.
· **After eye contact:**
Check for and remove any contact lenses.
Rinse opened eye for several minutes under running water. Then consult a doctor.
· **After swallowing:**
Rinse out mouth and then drink plenty of water.
Do not induce vomiting; call for medical help immediately.
If vomiting occurs spontaneously, keep head below hips to prevent aspiration.
· **Information for doctor:**
After inhalation of decomposition products, the patient should be kept under medical review for at least 48 hours as delayed pulmonary oedema may develop.
Treat symptomatically and supportively.
· **4.2 Most important symptoms and effects, both acute and delayed**
Poisonous vapor (chlorine gas) is corrosive to respiratory passages and may cause irritation of mouth, nose, and throat.
Causes severe burns to skin and eyes.
Inhalation of chlorine gas is corrosive to respiratory passages and may cause irritation of the mouth, nose & throat.
Corrosive and poisonous by ingestion. Causes burns, abdominal cramps, nausea, lowered blood pressure diarrhoea, shock and coma. Death may occur in very severe cases.
Effects of exposure may be delayed.
· **4.3 Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

SECTION 5: Firefighting measures

· **5.1 Extinguishing media**
· **Suitable extinguishing agents:**
CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
Use fire extinguishing methods suitable to surrounding conditions.
· **For safety reasons unsuitable extinguishing agents:** Water with full jet

(Contd. on page 4)

Safety Data Sheet
according to UK REACH (SI 2020/1577) as amended

(Contd. of page 3)

· **5.2 Special hazards arising from the substance or mixture**
Corrosive liquid.
May react with metals, releasing hydrogen.
In case of fire, the following can be released:
Carbon monoxide and carbon dioxide
Chlorine gas
Nitrogen oxides (NOx)
Toxic metal oxide smoke
· **5.3 Advice for firefighters**
· **Protective equipment:**
Wear self-contained respiratory protective device.
Do not inhale explosion gases or combustion gases.
Wear fully protective suit.
Decontaminate protective clothing prior to removal.
· **Additional information**
Absorb gas/vapours with water spray.
Cool endangered receptacles with water spray.
Collect contaminated fire fighting water separately. It must not enter the sewage system.

SECTION 6: Accidental release measures

· **6.1 Personal precautions, protective equipment and emergency procedures**
Wear protective equipment. Keep unprotected persons away.
Particular danger of slipping on leaked/spilled product.
Ensure adequate ventilation
· **6.2 Environmental precautions:**
Do not allow to penetrate the ground/soil.
Do not allow product to reach sewage system or any water course.
Inform respective authorities in case of seepage into water course or sewage system.
· **6.3 Methods and material for containment and cleaning up:**
Contain and collect spillage with non-combustible, absorbent material e.g.sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations.
Every attempt should be made to avoid mixing spilled material with other chemicals or debris when cleaning up.
Do not use combustible materials such as paper towels to clean up spills.
Wash the area with plenty of water.
Ensure adequate ventilation.
· **6.4 Reference to other sections**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

SECTION 7: Handling and storage

· **7.1 Precautions for safe handling**
Ensure good ventilation/exhaustion at the workplace.
Prevent formation of aerosols.

(Contd. on page 5)

Safety Data Sheet
according to UK REACH (SI 2020/1577) as amended

(Contd. of page 4)

Avoid direct contact (skin/eye contact, ingestion and/or inhalation of fume/mist/dust) with the product in the undiluted form.
Do not mix with acids.
Safety showers and eye wash facilities should be available at the work area.
Contact lenses should not be worn while working with this product.
· **Information about fire - and explosion protection:** Protect from heat.

· **7.2 Conditions for safe storage, including any incompatibilities**
· **Storage:**
· **Requirements to be met by storerooms and receptacles:**
Do not store in aluminium or galvanised containers.
Prevent any seepage into the ground.
Do not store on combustible materials such as wooden floors or wooden pallets.
· **Information about storage in one common storage facility:**
Do not store together with acids.
Store away from foodstuffs.
Store away from flammable substances.
· **Further information about storage conditions:**
Store in a bunded area.
Keep container tightly sealed.
Store in a cool place. Heat will increase pressure and may lead to the receptacle bursting.
Protect from heat and direct sunlight.
· **Storage class:** 8 B
· **7.3 Specific end use(s)** No further relevant information available.

SECTION 8: Exposure controls/personal protection

· **8.1 Control parameters**

· **Ingredients with limit values that require monitoring at the workplace:**	
CAS: 1310-73-2 Sodium hydroxide	
WEL	Short-term value: 2 mg/m³

· **DNELs**		
CAS: 1310-73-2 Sodium hydroxide		
Inhalative	Long-term local effects	1 mg/m³ (general population) 1 mg/m³ (worker)
CAS: 7681-52-9 Sodium hypochlorite		
Oral	Long-term systemic effects	260 µg/kg bw/day (general population)
Inhalative	Long-term systemic effects	1.55 mg/m³ (general population) 1.55 mg/m³ (worker)
	Short-term systemic effects	3.1 mg/m³ (general population) 3.1 mg/m³ (worker)
	Long-term local effects	1.55 mg/m³ (general population) 1.55 mg/m³ (worker)
	Short-term local effects	3.1 mg/m³ (general population)

(Contd. on page 6)

Safety Data Sheet
according to UK REACH (SI 2020/1577) as amended

Printing date 12.08.2025 Version number 1 Revision: 12.08.2025

Trade name: Drain Opener

(Contd. of page 5)

		3.1 mg/m³ (worker)
CAS: 3332-27-2 N,N-dimethyltetradecylamine N-oxide		
Oral	Long-term systemic effects	440 µg/kg bw/day (general population)
Dermal	Long-term systemic effects	5.5 mg/kg bw/day (general population)
		11 mg/kg bw/day (worker)
Inhalative	Long-term systemic effects	1.53 mg/m³ (general population)
		6.2 mg/m³ (worker)

· **PNECs**

CAS: 7681-52-9 Sodium hypochlorite	
Freshwater	210 ng/L
Freshwater - Intermittent releases	260 ng/L
Marine water	42 ng/L
Sewage Treatment Plant	4.69 mg/L
Secondary poisoning	11.1 mg/kg food

CAS: 3332-27-2 N,N-dimethyltetradecylamine N-oxide	
Freshwater	33.5 µg/L
Freshwater - Intermittent releases	33.5 µg/L
Marine water	3.35 µg/L
Sewage Treatment Plant	24 mg/L
Sediment (freshwater)	5.24 mg/kg
Sediment (marine water)	524 µg/kg
Soil	1.02 mg/kg
Secondary poisoning	11.1 mg/kg food

· **Ingredients with biological limit values:**

· **Additional Occupational Exposure Limit Values for possible hazards during processing:**

CAS: 1310-73-2 Sodium hydroxide	
WEL	Short-term value: 2 mg/m³

· **Additional information:** The lists valid during the making were used as basis.

· **8.2 Exposure controls**
· **Appropriate engineering controls** No further data; see section 7.
· **Individual protection measures, such as personal protective equipment**
· **General protective and hygienic measures:**
Take note of assigned Workplace Exposure Limits.
Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing
Wash hands before breaks and at the end of work.
Avoid contact with the eyes and skin.
Do not inhale gases / fumes / aerosols.
Do not carry product impregnated cleaning cloths in trouser pockets.
A safe system of work must be formulated and followed to ensure safe working with this product. Relevant workers must receive suitable and sufficient training and supervision.

(Contd. on page 7)

Safety Data Sheet
according to UK REACH (SI 2020/1577) as amended

(Contd. of page 6)

Ensure that eyewash stations and safety showers are close to the workstation location.

· **Respiratory protection:** Use suitable respiratory protective device in case of insufficient ventilation.

· **Hand protection**

Protective gloves.
Use gloves tested and approved under appropriate government standards such as NIOSH (US) or EN374 (EU).

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

· **Material of gloves**
PVC gloves
Recommended thickness of the material: ≥ 1.2 mm
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

· **Penetration time of glove material**
Break-through time: > 480 minutes
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· **Eye/face protection**

Tightly sealed goggles conforming to EN166.

Face shield/visor.
Use equipment tested and approved under appropriate government stangards such as EN166 (EU) or NIOSH (US)

Use visor in combination with goggles.

· **Body protection:**

Impervious protective clothing

Do not get on skin or clothing. Wear clothing and footwear that cannot be penetrated by the product. Suitable protective equipment may include: Chemical resistant boots, Chemical resistant apron, Full chemical protective suit with a hood, Chemical protective suit consisting of a jacket and trousers. The jacket should be buttoned up to the neck, sleeves sealed at the gloves, and trouser legs worn outside the boots. These precautions are required to prevent the clothing from accidentally trapping product against the skin.

· **Environmental exposure controls** Do not allow to enter drains, sewers or watercourses.

· **Risk management measures** The operators shall be instructed adequately.

(Contd. on page 8)

Safety Data Sheet
according to UK REACH (SI 2020/1577) as amended

Printing date 12.08.2025 Version number 1 Revision: 12.08.2025

Trade name: Drain Opener

(Contd. of page 7)

SECTION 9: Physical and chemical properties

· **9.1 Information on basic physical and chemical properties**	
· **General Information**	
· **Physical state**	Liquid
· **Colour:**	Colourless
· **Odour:**	Slight chlorine
· **Odour threshold:**	Not determined.
· **Melting point/freezing point:**	Undetermined.
· **Boiling point or initial boiling point and boiling range**	96 – 99 °C (CAS: 7681-52-9 Sodium hypochlorite)
· **Flammability**	Not applicable.
· **Lower and upper explosion limit**	
· **Lower:**	Not determined.
· **Upper:**	Not determined.
· **Flash point:**	Not applicable.
· **Decomposition temperature:**	Not determined.
· **pH at 20 °C**	> 13
· **Viscosity:**	
· **Kinematic viscosity**	Not determined.
· **Dynamic:**	Not determined.
· **Solubility**	
· **water:**	Fully miscible.
· **Partition coefficient n-octanol/water (log value)**	Not determined.
· **Vapour pressure:**	Not determined.
· **Density and/or relative density**	
· **Density at 20 °C:**	1.2 – 1.22 g/cm³
· **Relative density**	Not determined.
· **Vapour density**	Not determined.

· **9.2 Other information**	
· **Appearance:**	
· **Form:**	Liquid
· **Important information on protection of health and environment, and on safety.**	
· **Ignition temperature:**	Product is not self-igniting.
· **Explosive properties:**	Product does not present an explosion hazard.
· **Solvent content:**	
· **VOC (EC)**	0.00 %
· **Change in condition**	
· **Evaporation rate**	Not determined.

· **Information with regard to physical hazard classes**	
· **Explosives**	Not applicable
· **Flammable gases**	Not applicable
· **Aerosols**	Not applicable
· **Oxidising gases**	Not applicable
· **Gases under pressure**	Not applicable
· **Flammable liquids**	Not applicable
· **Flammable solids**	Not applicable

(Contd. on page 9)

Safety Data Sheet
according to UK REACH (SI 2020/1577) as amended

Printing date 12.08.2025 Version number 1 Revision: 12.08.2025

Trade name: Drain Opener

(Contd. of page 8)

· **Self-reactive substances and mixtures**	Not applicable
· **Pyrophoric liquids**	Not applicable
· **Pyrophoric solids**	Not applicable
· **Self-heating substances and mixtures**	Not applicable
· **Substances and mixtures, which emit flammable gases in contact with water**	Not applicable
· **Oxidising liquids**	Not applicable
· **Oxidising solids**	Not applicable
· **Organic peroxides**	Not applicable
· **Corrosive to metals**	May be corrosive to metals.
· **Desensitised explosives**	Not applicable

SECTION 10: Stability and reactivity

· **10.1 Reactivity** No further relevant information available.
· **10.2 Chemical stability**
· **Thermal decomposition / conditions to be avoided:**
Slowly decomposes at ambient temperatures, releasing low concentrations of chlorine gas.
Decomposes on heating, on contact with acids and under influence of light producing toxic and corrosive gases including chlorine.
· **10.3 Possibility of hazardous reactions**
Reacts violently with combustible and reducing materials, causing fire and explosion hazard.
Reacts with acids releasing chlorine.
Reacts with light alloys to form hydrogen.
Reacts to form explosive products with amines, ammonium salts, aziridine, and methanol.
Explosive reactions with formic acid and phenylacetonitrile.
Reacts with light metals.
· **10.4 Conditions to avoid** Heat and static discharge.
· **10.5 Incompatible materials:**
Combustible materials.
Strong acids.
Finely powdered metals.
Light metals and their alloys.
Substances specifically listed in section 10.3 as incompatible.
· **10.6 Hazardous decomposition products:**
Carbon monoxide and carbon dioxide
Chlorine compounds
Hydrogen chloride (HCl)
Chlorine
Nitrogen oxides (NOx)

SECTION 11: Toxicological information

· **11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**
· **Acute toxicity** Based on available data, the classification criteria are not met.

(Contd. on page 10)

Safety Data Sheet
according to UK REACH (SI 2020/1577) as amended

Printing date 12.08.2025 Version number 1 Revision: 12.08.2025

Trade name: Drain Opener

(Contd. of page 9)

· **LD/LC50 values relevant for classification:**		
ATE (Acute Toxicity Estimates)		
Oral	LD50	44,139 mg/kg (rat)

CAS: 3332-27-2 N,N-dimethyltetradecylamine N-oxide		
Oral	LD50	1,495 mg/kg (rat)

· **Primary irritant effect:**
· **Skin corrosion/irritation**
Causes severe skin burns and eye damage.
· **Serious eye damage/irritation**
Causes serious eye damage.
· **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
· **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
· **Carcinogenicity** Based on available data, the classification criteria are not met.
· **Reproductive toxicity** Based on available data, the classification criteria are not met.
· **STOT-single exposure** Based on available data, the classification criteria are not met.
· **STOT-repeated exposure** Based on available data, the classification criteria are not met.
· **Aspiration hazard** Based on available data, the classification criteria are not met.
· **Additional toxicological information:**
ROUTES OF EXPOSURE: Can be absorbed into the body by inhalation and by ingestion.
Swallowing will lead to a strong caustic effect on mouth and throat and to the danger of perforation of oesophagus and stomach.
Inhalation of decomposition products may cause lung oedema. The symptoms of lung oedema often do not become manifest until a few hours have passed and they are aggravated by physical effort. Rest and medical observation are therefore essential. Attention by a doctor should be considered.
· **11.2 Information on other hazards**

· **Endocrine disrupting properties**
None of the ingredients are listed.

SECTION 12: Ecological information

· **12.1 Toxicity**

· **Aquatic toxicity:**	
CAS: 3332-27-2 N,N-dimethyltetradecylamine N-oxide	
EC50 (72 h)	0.19 mg/l (algae)

· **12.2 Persistence and degradability** The organic portion of the product is biodegradable.
· **12.3 Bioaccumulative potential** Contains components with the potential to bioaccumulate.
· **12.4 Mobility in soil** No further relevant information available.
· **12.5 Results of PBT and vPvB assessment**
· **PBT:** Not applicable.
· **vPvB:** Not applicable.
· **12.6 Endocrine disrupting properties** The product does not contain substances with endocrine disrupting properties.
· **12.7 Other adverse effects**
· **Remark:** Very toxic for fish

(Contd. on page 11)

Safety Data Sheet
according to UK REACH (SI 2020/1577) as amended

Printing date 12.08.2025 Version number 1 Revision: 12.08.2025

Trade name: Drain Opener

(Contd. of page 10)

· **Additional ecological information:**
· **General notes:**
Very toxic for aquatic organisms
Also poisonous for fish and plankton in water bodies.
Must not reach sewage water or drainage ditch undiluted or unneutralised.
Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water
Do not allow product to reach ground water, water course or sewage system.
Danger to drinking water if even small quantities leak into the ground.

SECTION 13: Disposal considerations

· **13.1 Waste treatment methods**
· **Recommendation**
Recommended Hierarchy of Controls:
- Minimise waste;
- Reuse if not contaminated;
- Recycle, if possible; or
- Safe disposal (if all else fails).
Must not be disposed together with household garbage. Do not allow product to reach sewage system.
Contact waste processors for recycling information.
Used, degraded or contaminated product may be classified as hazardous waste. Anyone classifying hazardous waste and determining its fate must be qualified in accordance with state and international legislation.
Do not mix with other waste streams.

· **Uncleaned packaging:**
· **Recommendation:**
Empty contaminated packagings thoroughly. They may be recycled after thorough and proper cleaning.
Disposal must be made according to official regulations.
Container remains hazardous when empty. Continue to observe all precautions.
Do not mix with other waste streams.
Containers, even those that are “empty,” may contain residues that can develop flammable and/or hazardous vapours upon heating. Do not cut, drill, grind, weld, or perform similar operations on or near empty containers.
· **Recommended cleansing agents:** Large quantities of water

SECTION 14: Transport information

· **14.1 UN number or ID number**	
· **ADR/RID/ADN, IMDG, IATA**	UN3266
· **14.2 UN proper shipping name**	
· **ADR/RID/ADN**	UN3266 CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (SODIUM HYDROXIDE, Sodium hypochlorite), ENVIRONMENTALLY HAZARDOUS
· **IMDG**	CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (SODIUM HYDROXIDE, Sodium hypochlorite, N,N-dimethyltetradecylamine N-oxide), MARINE POLLUTANT

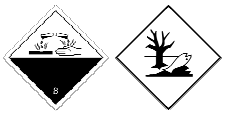
(Contd. on page 12)

Safety Data Sheet
according to UK REACH (SI 2020/1577) as amended

Printing date 12.08.2025 Version number 1 Revision: 12.08.2025

Trade name: Drain Opener

(Contd. of page 11)

· **IATA**	CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (SODIUM HYDROXIDE, Sodium hypochlorite)
· **14.3 Transport hazard class(es)**	
· **ADR/RID/ADN**	
	
· **Class**	8 (C5) Corrosive substances.
· **Label**	8
· **IMDG**	
	
· **Class**	8 Corrosive substances.
· **Label**	8
· **IATA**	
	
· **Class**	8 Corrosive substances.
· **Label**	8
· **14.4 Packing group**	
· **ADR/RID/ADN, IMDG, IATA**	II
· **14.5 Environmental hazards:**	Product contains environmentally hazardous substances: Sodium hypochlorite
· **Marine pollutant:**	Symbol (fish and tree)
· **Special marking (ADR/RID/ADN):**	Symbol (fish and tree)
· **14.6 Special precautions for user**	Warning: Corrosive substances.
· **Hazard identification number (Kemler code):**	80
· **Hazchem Code:**	2X
· **EMS Number:**	F-A,S-B
· **Segregation groups**	(SGG18) Alkalis
· **Stowage Category**	B
· **Stowage Code**	SW2 Clear of living quarters.
· **Segregation Code**	SG35 Stow "separated from" SGG1-acids

(Contd. on page 13)

Safety Data Sheet
according to UK REACH (SI 2020/1577) as amended

Printing date 12.08.2025 Version number 1 Revision: 12.08.2025

Trade name: Drain Opener

(Contd. of page 12)

· **14.7 Maritime transport in bulk according to IMO instruments**	Not applicable.
· **Transport/Additional information:**	Amounts up to 5kg or 5L per single or inner package do not require the Environmentally Hazardous mark in accordance with ADR 5.2.1.8.1 and IMDG 2.10.2.7.
· **ADR/RID/ADN**	
· **Limited quantities (LQ)**	1L
· **Excepted quantities (EQ)**	Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
· **Transport category**	2
· **Tunnel restriction code**	E
· **IMDG**	
· **Limited quantities (LQ)**	1L
· **Excepted quantities (EQ)**	Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
· **UN "Model Regulation":**	UN 3266 CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (SODIUM HYDROXIDE, SODIUM HYPOCHLORITE), 8, II, ENVIRONMENTALLY HAZARDOUS

SECTION 15: Regulatory information

· **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
· **Poisons Act**

· **Regulated explosives precursors**
None of the ingredients are listed.

· **Regulated poisons**
None of the ingredients are listed.

· **Reportable explosives precursors**
None of the ingredients are listed.

· **Reportable poisons**		
CAS: 1310-73-2	Sodium hydroxide	12% of total caustic alkalinity
CAS: 7681-52-9	Sodium hypochlorite	Listed

· **Control Of Major Accident Hazards Regulations 2015 (COMAH)**
· **Named dangerous substances - ANNEX I** None of the ingredients are listed.
· **COMAH category** E1
· **Qualifying quantity (tonnes) for the application of lower-tier requirements** 200 t
· **Qualifying quantity (tonnes) for the application of upper-tier requirements** 500 t

(Contd. on page 14)

Safety Data Sheet
according to UK REACH (SI 2020/1577) as amended

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Trade name: Drain Opener

(Contd. of page 13)

· **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.
This Safety Data Sheet is in compliance with Regulation (EC) No 1907/2006, Article 31 as amended by Regulation (EU) 2020/878.

· **Relevant phrases**
H290 May be corrosive to metals.
H302 Harmful if swallowed.
H314 Causes severe skin burns and eye damage.
H315 Causes skin irritation.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.
H411 Toxic to aquatic life with long lasting effects.
EUH031 Contact with acids liberates toxic gas.

· **Training hints**
This product should only be handled by workers who have received sufficient training in the safe handling and use of chemical products.

· **Department issuing SDS:** Product safety department.

· **Abbreviations and acronyms:**
ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
GHS: Globally Harmonised System of Classification and Labelling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
VOC: Volatile Organic Compounds (USA, EU)
DNEL: Derived No-Effect Level (UK REACH)
PNEC: Predicted No-Effect Concentration (UK REACH)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
ATE: Acute toxicity estimate values
Met. Corr.1: Corrosive to metals – Category 1
Acute Tox. 4: Acute toxicity – Category 4
Skin Corr. 1A: Skin corrosion/irritation – Category 1A
Skin Corr. 1B: Skin corrosion/irritation – Category 1B
Skin Irrit. 2: Skin corrosion/irritation – Category 2
Eye Dam. 1: Serious eye damage/eye irritation – Category 1
Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1
Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1
Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2