

SAFETY DATA SHEET

DC SUPER DRAIN
According to EC Regulation 1907/2006/EC - revision 2015/830

Revision No. 4.4

Revision Date 21/01/2019

Print Date 29/01/2019

Creation Date 02/02/2015

SECTION 1. IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING

1.1. Product identifier

Product Name DC SUPER DRAIN
Product Code 10248838H1 (CLP)

1.2. Relevant identified uses of the substance or mixture and uses advised against

Recommended use

Drain opener.

1.3. Details of the supplier of the safety data sheet

NCH UK & Ireland, NCH House, Springvale Avenue, Bilston, WV14 0QL Tel (UK): 01902 510200, Tel (Ireland): 042 939 5502
E-mail address technical_uk@nch.com
Website address www.ncheurope.com

1.4. Emergency telephone number

UK - 01902 510200 (available during Office Hours)
In Republic of Ireland (available from 8am to 10pm daily): 01 809 2166

SECTION 2. HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 (CLP/GHS) and its adaptations

Skin corrosion: Category 1A
Serious damage to eyes: Category 1
H314 - Causes severe skin burns and eye damage
H318 - Causes serious eye damage

2.2. Label elements

Labelling according to Regulation (EC) No 1272/2008 (CLP/GHS)

Contains SODIUM HYDROXIDE.

Hazard pictograms



Signal word DANGER

Hazard Statements

H314 - Causes severe skin burns and eye damage

Precautionary Statements

P260 - Do not breathe dust/fume/gas/mist/vapors/spray.
P303 + P361 + P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P301 + P330 + P331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
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 or doctor
P280 - Wear protective gloves/protective clothing/eye protection.
For industrial and institutional use only.
Keep out of reach of children.

2.3. Other hazards

No additional hazards identified.

The components in this formulation do not meet the criteria for classification as PBT or vPvB. As defined under the regulation EC 1907/2006.

SECTION 3. COMPOSITION / INFORMATION OF INGREDIENTS

3.2 Mixture

Chemical Name	CAS-No.	EC No.	EU - REACH reg number	Weight-%	EU - GHS/CLP Classification	Notes
SODIUM HYDROXIDE	1310-73-2	215-185-5	01-2119457892-	50 - 100	Skin Corr. 1A	

SODIUM NITRATE	7631-99-4	231-554-3	27 01-2119488221-41	25 - < 50	(H314) Eye Irrit. 2 (H319)	
ALUMINIUM GRANULES	7429-90-5	231-072-3	01-2119529243-45	3 - < 5	Flam. Sol. 1 (H228) Pyr. Sol. 1 (H250) Water-react. 2 (H261)	T

For any H statements mentioned in this section, see the full text in section 16.

EU Notes

Note T - This substance may be marketed in a form which does not have the physical hazards as indicated by the classification in the entry in Part 3. If the results of the relevant method or methods in accordance with Part 2 of Annex I of this Regulation show that the specific form of substance marketed does not exhibit this physical property or these physical hazards, the substance shall be classified in accordance with the result or results of this test or these tests. Relevant information, including reference to the relevant test method(s) shall be included in the safety data sheet.

SECTION 4. FIRST AID MEASURES

4.1. Description of first aid measures

General advice

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

Eye Contact

In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention immediately.

Skin Contact

Remove immediately all contaminated clothing. Wash off immediately with plenty of water for at least 15 minutes. Get medical attention immediately.

Ingestion

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.

Inhalation

Move to fresh air. If not breathing, give artificial respiration. Get medical attention immediately.

4.2. Most important symptoms and effects, both acute and delayed

Sensitisation

No information available.

Eye contact

Corrosive. Causes burns and may lead to corneal damage and possible blindness.

Skin contact

Corrosive, Causes burns and possible deep ulcerations or scarring.

Ingestion

Ingestion may result in severe burns to the mouth, throat and digestive tract.

Inhalation

Inhalation may result in irritation or burns to the respiratory tract.

4.3. Indication of any immediate medical attention and special treatment needed

Notes to physician

Treat symptomatically. The product causes burns of eyes, skin and mucous membranes.

SECTION 5. FIRE-FIGHTING MEASURES

5.1. Extinguishing media

Suitable Extinguishing Media

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

Extinguishing media which must not be used for safety reasons

Water jet.

5.2. Special hazards arising from the substance or mixture

When exposed to high temperatures, the preparation may release dangerous decomposition products such as carbon monoxide and dioxide, smoke and/or nitrogen oxide. Sodium oxides.

5.3. Advice for firefighters

Firefighters should wear a self-contained breathing apparatus and full protective gear.

SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Avoid contact with the skin and the eyes. Avoid dust formation. Wear protective gloves/clothing and eye/face protection.

6.2. Environmental precautions

Avoid release of neat product into surface water and sanitary sewage system.

6.3. Methods and material for containment and cleaning upMethods for Containment

Pick up and arrange disposal without creating dust.

Methods for Cleaning up

Neutralize with an acid. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). After cleaning, flush away traces with water.

6.4. Reference to other sections

Refer to sections 7, 8 and 13.

SECTION 7. HANDLING AND STORAGE**7.1. Precautions for safe handling**

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.

7.2. Conditions for safe storage, including any incompatibilities

Store in original container. Keep containers tightly closed in a dry, cool and well-ventilated place.

7.3. Specific end use(s)

No information available.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**8.1. Control parameters**Exposure limits

If vapours, fumes or mists are generated, their concentration in the workplace area should be kept to the lowest reasonable level. For substances.

Chemical Name	European Union	The United Kingdom	France	Germany	Austria
SODIUM HYDROXIDE		STEL: 2 mg/m ³	TWA: 2 mg/m ³		STEL: 4 mg/m ³ TWA: 2 mg/m ³
ALUMINIUM GRANULES		STEL: 30 mg/m ³ STEL: 12 mg/m ³ TWA: 10 mg/m ³ TWA: 4 mg/m ³	TWA: 10 mg/m ³ TWA: 5 mg/m ³	TWA: 4mg/m ³ TWA: 1.5mg/m ³	STEL: 20 mg/m ³ TWA: 10 mg/m ³

Chemical Name	Spain	Portugal	Italy	The Netherlands	Switzerland
SODIUM HYDROXIDE	STEL: 2 mg/m ³	Ceiling: 2 mg/m ³			STEL: 2 mg/m ³ TWA: 2 mg/m ³
ALUMINIUM GRANULES	TWA: 10 mg/m ³ TWA: 5 mg/m ³	TWA: 10 mg/m ³ TWA: 5 mg/m ³		TWA: 0.05 mg/m ³	TWA: 3 mg/m ³

Chemical Name	Denmark	Finland	Norway	Sweden	Czech
SODIUM HYDROXIDE	Ceiling: 2 mg/m ³	STEL: 2 mg/m ³ Ceiling: 2 mg/m ³	Grenseverdi: 2 mg/m ³	1 mg/m ³ inhalable dust 2 mg/m ³	PEL: 1mg/m ³ NPK-P: 2mg/m ³
ALUMINIUM GRANULES	TWA: 5 mg/m ³ TWA: 2 mg/m ³		TWA: 5 mg/m ³	5 mg/m ³ total dust 2 mg/m ³ respirable dust	PEL: 10.0mg/m ³

Chemical Name	Poland	Ireland
SODIUM HYDROXIDE	NDSch: 1 mg/m ³ NDS: 0.5 mg/m ³	STEL: 2 mg/m ³
ALUMINIUM GRANULES	NDS: 2.5 mg/m ³ NDS: 1.2 mg/m ³	TWA: 1 mg/m ³ STEL: 3 mg/m ³

8.2. Exposure controlsControl parametres

Provide an eyewash station. Provide washing facilities.

Engineering Measures

Ensure adequate ventilation, especially in confined areas.

Personal Protective Equipment

Use personal protection equipment as per Directive 89/686/EEC.

Respiratory Protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. Conforming to EN 143 eg P2 / P3 Particle filters.

Hand Protection

Wear suitable protective gloves conforming to EN 374. Type of gloves suggested :. Short term use eg occasional contact or splash protection ;. Nitrile rubber (0.4 mm). Long term use eg continuous wear or immersion ;. Fluorinated rubber. Butyl rubber (0.7 mm). Break through time 10 - 480 mins. Protective creams may be used for additional protection. Breakthrough time of the glove material (protective index 6, breakthrough time: >480 min). For break through times, refer to glove manufacturers recommendations.

Skin Protection

Wear suitable protective clothing.

Eye Protection

Tightly fitting safety goggles. Approved to EN 166. For large volumes, faceshields should be used.

General hygiene considerations

Do not eat, drink or smoke when using this product. Handle in accordance with good industrial hygiene and safety practise. Wash hands before breaks and at the end of workday.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**9.1. Information on basic physical and chemical properties**

Information below relates to typical values and does not constitute a specification.

Appearance	Off-white	Specific Gravity	> 1
Physical State	Solid	Solubility	Soluble in water
Odour	Odorless	Autoignition Temperature	Not combustible.
pH	> 13	Viscosity	Not applicable
Melting Point/Range	No information available.	Explosive properties	No information available
Flash Point	Not relevant	Oxidizing Properties	No information available.
Evaporation Rate	Not applicable.	VOC Content (%)	1.5 %
Flammability Limits in Air %	Not applicable.		
Vapor Pressure	No information available.		
Vapor Density	No information available.		

9.2. Other information

No other information available

SECTION 10. STABILITY AND REACTIVITY**10.1. Reactivity**

Not considered as highly reactive. See further information below.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

The mixture itself will not dangerously react or polymerise to create hazardous conditions in normal use.

10.4. Conditions to avoid

No conditions to be specially mentioned.

10.5. Incompatible materials

Strong acids. Oxidising agents. Reducing agents. Contact with specific metals may liberate Hydrogen gas eg Aluminium, Zinc.

10.6. Hazardous decomposition products

None under normal storage conditions and use.

When exposed to high temperatures, the preparation may release dangerous decomposition products such as carbon monoxide and dioxide, smoke and/or nitrogen oxide. Sodium oxides.

SECTION 11. TOXICOLOGICAL INFORMATION**11.1. Information on toxicological effects**Product Information

The product itself has not been tested.

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
SODIUM HYDROXIDE		= 1350 mg/kg (Rabbit)	
SODIUM NITRATE	= 1267 mg/kg (Rat)		

Sensitisation

No information available.

Skin contact

Corrosive, Causes burns and possible deep ulcerations or scarring.

Inhalation

Inhalation may result in irritation or burns to the respiratory tract.

Ingestion

Ingestion may result in severe burns to the mouth, throat and digestive tract.

Eye contact

Corrosive. Causes burns and may lead to corneal damage and possible blindness.

Chronic Toxicity:

Inhaled corrosive substances can lead to a toxic oedema of the lungs.

Carcinogenicity

There are no known carcinogenic substances in this product.

Mutagenic Effects

There are no known mutagenic substances in this product.

Reproductive Effects

There are no known substances in this product with effects on reproduction.

SECTION 12. ECOLOGICAL INFORMATION

12.1. Toxicity

Product Information

The product itself has not been tested.

Ecotoxicity effects

pH values above 10.5 may be fatal to fish and other aquatic organisms.

Chemical Name	Toxicity to Fish	Water Flea	Toxicity to Algae
SODIUM HYDROXIDE	LC50 = 45.4 mg/L Oncorhynchus mykiss 96 h		
SODIUM NITRATE	LC50 = 2000 mg/L Lepomis macrochirus 96 h LC50 994.4 - 1107 mg/L Oncorhynchus mykiss 96 h		

12.2. Persistence and degradability

Inorganic product which can not be eliminated from water through biological processes.

12.3. Bioaccumulative potential

Component information below.

Chemical Name	log Pow
SODIUM NITRATE	-3.8

12.4. Mobility in soil

Soluble in water.

12.5. Results of PBT and vPvB assessment

The components in this formulation do not meet the criteria for classification as PBT or vPvB. As defined under the regulation EC 1907/2006.

12.6. Other adverse effects

No data available.

SECTION 13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Waste from Residues / Unused Products

Dispose of in accordance with local regulations.

Contaminated Packaging

Empty remaining contents. Rinse with water. Empty containers should be taken for local recycling, recovery or waste disposal. Dispose of in accordance with local regulations.

EWC waste disposal No

The following EWC/ AVV waste codes may be applicable:

06 02 04* Sodium and Potassium hydroxide

Other Information

According to the European Waste Catalogue, Waste Codes are not product specific, but application specific

SECTION 14. TRANSPORT INFORMATION

14.1, 14.2, 14.3, 14.4.

IMDG/IMO

UN Number	UN1823
UN proper shipping name	Sodium hydroxide, solid mixture
Hazard Class	8
Packing Group	II
EmS	F-A, S-B

ADR / RID

UN-No	UN1823
Hazard Class	8
Packing Group	II
Classification Code	C6
Limited Quantity	1 kg
Transport Cat. (Tunnel Restriction Code)	2 (E)

IATA/ICAO

UN-No	UN1823
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Hazard Class	8
Packing Group	II
ERG Code	8L

14.5. Environmental hazards

The mixture is not environmentally hazardous for transport

14.6. Special precautions for user

No special precautions.

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Packaged product, not typically transported in IBC's.

Additional information

The above information is based on latest transport regulations i.e. ADR for road, RID for rail, IMDG for sea and ICAO/IATA for air transport.

SECTION 15. REGULATORY INFORMATION**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

This mixture was classified in compliance with EC Regulation 1272/2008 (CLP) and its adaptations.

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15.2. Chemical safety assessment

No chemical safety assessment has been carried out for this mixture by the supplier

SECTION 16. OTHER INFORMATION**Text of H statements mentioned in Section 3**

H228 - Flammable solid. H250 - Catches fire spontaneously if exposed to air. H261 - In contact with water releases flammable gas. H314 - Causes severe skin burns and eye damage. H319 - Causes serious eye irritation.

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]

Calculation method. H314 - Causes severe skin burns and eye damage.

Prepared By Austen Pimm

Creation Date 02/02/2015

Revision Date 21/01/2019

Revision summary

SDS sections updated 2 16

Abbreviations

REACH: Registration Evaluation Authorisation Restriction of Chemicals

EU: European Union

EC: European community

EEC: European Economic Community

UN: United Nations

CAS: Chemical Abstracts Service

PBT: Persistent Bioaccumulative Toxic

vPvB: very Persistent very Bioaccumulative

LC50: Lethal concentration, 50 percent

LD50 : Lethal dose, 50 percent

EC50: Effective concentration, 50 percent

LogPow: LogP octanol/water

VwVwS: Verwaltungsvorschrift wassergefährdende Stoffe (Administrative order relating to substances hazardous to water - Germany)

WGK: Wassergefährdungskategorie (Water Hazard Class - Germany).

AVV: Abfallverzeichnis-Verordnung (Waste Code - Germany)

ADR: Accord européen relatif au transport international des marchandises Dangereuses par Route (European agreement governing the international carriage of dangerous goods by road)

IMDG: International Maritime Dangerous Goods

IATA: International Air Transport Association

ICAO: International Civil Aviation Organisation

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations concerning the International carriage of Dangerous goods by rail)

EmS: Emergency Response Procedures for Ships Carrying Dangerous Goods

ERG: Emergency Response Guidebook

IUCLID / RTECS International Uniform Chemical Information Database / Registry of Toxic Effects of Chemical Substances

GHS: Globally Harmonised System of classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

VOC: Volatile Organic Chemical

w/w: weight for weight

DMSO: Dimethyl sulphoxide

OECD: Organization for Economic Cooperation and Development

STEL: Short Term Exposure Limit

TWA: Time Weighted Average

Further Information

Component test results displayed in sections 11 and 12 are typically supplied by Chemadvisor and assembled from publicly available literature sources e.g. IUCLID / RTECS

It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations

Disclaimer

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

End of Safety Data Sheet