



NORSAN UK
12 GATWICK DISTRIBUTION CENTRE
CRAWLEY
WEST SUSSEX
RH10 9RW

TEL: 0845 340 3230
FAX: 0845 034 3239
EMAIL: sales@norsan.co.uk
WEB: www.norsan.co.uk



MATERIAL SAFETY DATA SHEET

PRODUCT INFORMATION

DC5

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

1.1 PRODUCT IDENTIFIER

NORSAN DC5
Heavy Duty Alkaline Drain, Pipe & Sink
Maintenance Chemical

1.3 DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET

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12 GATWICK DISTRIBUTION CENTRE
CRAWLEY
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1.2 RELEVANT IDENTIFIED USES OF THE SUBSTANCE/MIXTURE AND USES ADVISED AGAINST

General Description:

A phosphate free and biodegradable caustic chemical with a compatible blend of surfactants, solvents and surface active agents miscible in all dilutions with water. Regular use of this highly alkaline, powerful formulation helps to loosen blockages and keep pipes free-flowing and hygienic.

Directions For Use:

Use neat from container. For best results leave for 20-30 minutes before flushing. Do not use on aluminium.

SECTION 2: HAZARDS IDENTIFICATION

2.1 CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

CLASSIFICATION UNDER CLP
(EC) NO 1272/2008 [EU-GHS/CLP]

HAZARD CLASS & CATEGORY

Acute. Tox. 4 - Inha, H332
Eye. Dam. 1, H318
Skin. Irrit. 2, H315

2.2 LABEL ELEMENTS

PICTOGRAM CODE

GHS05

PICTOGRAM



SIGNAL WORD

DANGER

HAZARD STATEMENTS

H315 - Causes skin irritation.

PRECAUTIONARY STATEMENTS

H318 - Causes serious eye damage.

H332 - Harmful if inhaled.

PREVENTION

P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.

P280 - Wear protective gloves/protective clothing/eye protection/face protection.

STORAGE

P102 - Keep out of reach of children.

RESPONSE

P302+P352 IF ON SKIN: Wash with plenty of water.

P305+351+338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P332+313: If skin irritation occurs: Get medical advice/attention.

DISPOSAL

P501 - Dispose of contents/container to licensed waste disposal site.

2.3 OTHER HAZARDS

EUROPEAN UNION
(DANGEROUS SUBSTANCES DIRECTIVE)

EUH none

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 MIXTURES

SUBSTANCE	CAS. NO	EINECS No.	HAZARD	RANGE
Alcohol Ethoxylate	68439-45-2	Polymer	H302, H318	<5%
Sodium Hydroxide	1310-73-2	215-185-5	H290, H314, H318	<5%
Pentasodium Diethylenetriaminepentaacetate	140-01-2	205-391-3	H332	<5%

SECTION 4: FIRST AID MEASURES

4.1 DESCRIPTION OF FIRST AID MEASURES

GENERAL ADVICE

Remove contaminated clothing and wash off skin immediately.

AFTER INHALATION

Ensure supply of fresh air and seek medical attention.

AFTER CONTACT WITH SKIN

Wash splashes from skin immediately. If skin becomes sore or inflamed seek medical attention.

AFTER CONTACT WITH EYES

Irrigate with water for 10 to 15 minutes until irritation subsides and seek medical attention.

AFTER INGESTION

If conscious, give plenty of water to drink, do not induce vomiting, obtain medical attention immediately.

4.2 MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

The severity of symptoms described will vary depending on concentration and length of exposure.

INHALATION

May cause pain in respiratory system, sneezing.

CONTACT WITH SKIN

Soreness and reddening of skin.

CONTACT WITH EYES

Painful irritation, reddening and watering of eyes.

INGESTION

May cause pain in digestive tract.

4.3 INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

Treat symptomatically. Use water to neutralize product in the case of skin, eye contact or ingestion.

SECTION 5: FIREFIGHTING MEASURES

5.1 SUITABLE EXTINGUISHING MEDIA

This product is not flammable. Use fire extinguishing media appropriate for surrounding area.

5.2 SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE

May produce oxides of carbon, nitrogen, sodium and sulphur.

5.3 ADVICE FOR FIRE FIGHTERS

Wear self-contained breathing apparatus and protective clothing as appropriate to the associated fire.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

Always use appropriate PPE. Avoid breathing dust/vapours (if any) and ensure adequate ventilation. Cordon off area to other personnel.

6.2 ENVIRONMENTAL PRECAUTION

Do not allow to enter surface water drains, soil/subsoil. Spillages or discharges into water course must be reported immediately to environment agency.

6.3 METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP

Absorb with sand or binder and dispose of according to local regulations. Small spillages may be flushed to a foul drain.

6.4 REFERENCE TO OTHER SECTIONS

See Section 8 and 13 for more information on exposure and disposal.

SECTION 7: HANDLING AND STORAGE

7.1 PRECAUTIONS FOR SAFE HANDLING

Provide good ventilation in working area. Wash hands after use and do not allow to enter surface water drains.

7.2. CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

Store only in original containers out of reach of children. Storage temperature should be between 5°C and 30°C.

7.3 SPECIFIC END USE(S)

See section 1.2 and label.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 CONTROL PARAMETERS

(Sodium Hydroxide) OES: TWA 8 hours-STEL 15 mins 2mg/m³.

8.2 EXPOSURE CONTROLS

Do not eat, drink or smoke whilst working and wash hands after use.

PICTOGRAM(S)



WEAR SUITABLE HAND PROTECTION WEAR SUITABLE EYE PROTECTION

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE/ODOUR

Viscous blue liquid (Method: QP22).

pH LEVEL

12> (Method: QP03).

FLAMMABLE/FLASH POINT

Not flammable.

SOLUBILITY

Soluble/dispersible in water.

VISCOSITY

Pourable gel @20°C (Method: QP04).

9.2 OTHER INFORMATION

No information available.

SECTION 10: STABILITY AND REACTIVITY

10.1 REACTIVITY

Gives off hydrogen by reaction with base metals (zinc, aluminium).

10.2 CHEMICAL STABILITY

No stability concerns.

10.3 POSSIBILITY OF HAZARDOUS REACTION

Exothermic reaction with strong acids. Gives off hydrogen by reaction with base metals (zinc, aluminium). Risk of explosion.

10.4 CONDITIONS TO AVOID

None known.

10.5 INCOMPATIBLE MATERIALS

Acids, light metals, aluminium and zinc. Organic peroxides.

10.6 HAZARDOUS DECOMPOSITION PRODUCTS

Contact with aluminium may produce flammable hydrogen.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. INFORMATION ON TOXICOLOGICAL EFFECTS

INHALATION	May cause pain in respiratory system, sneezing.
CONTACT WITH SKIN	Soreness and reddening of skin.
CONTACT WITH EYES	Painful irritation, reddening and watering of eyes.
INGESTION	May cause pain in digestive tract.

SECTION 12: ECOLOGICAL INFORMATION

ECOTOXICITY

Not regarded as dangerous for the environment.

12.1 TOXICITY

No aquatic testing has been carried out for this product.

12.2. PERSISTENCE AND DEGRADABILITY

Product regarded as biodegradable.

12.3. BIOACCUMULATIVE POTENTIAL

None known.

12.4. MOBILITY IN SOIL

None known.

12.5. RESULTS OF PBT AND VPVB ASSESSMENT

None known.

12.6. OTHER ADVERSE EFFECTS

None known.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. WASTE TREATMENT METHODS

When disposing of surplus or waste product use suitable PPE etc. ensuring empty containers are rinsed out and disposed of safely. Do not allow product to enter land or surface water drains. Dispose of in accordance with local authority regulations. Do not mix with other waste materials.

SECTION 14: TRANSPORT INFORMATION

14.1. UN NUMBER

1760

14.2. UN PROPER SHIPPING NAME

NORSAN DC5

14.3. TRANSPORT HAZARD CLASS(ES)

CORROSIVE LIQUID, N.O.S

14.4. PACKING GROUP

II



14.5. ENVIRONMENTAL HAZARDS

CORROSIVE LIQUID, N.O.S

14.6. SPECIAL PRECAUTIONS FOR USER

No information.

14.7. TRANSPORT IN BULK ACCORDING TO ANNEX II OF MARPOL73/78 AND THE IBC CODE

No information.

SECTION 15: REGULATORY INFORMATION

15.1. SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/LEGISLATION SPECIFIC FOR THE SUBSTANCE OR MIXTURE

STATUTORY INSTRUMENTS

Classified under GHS/CLP- Regulation (EC) No 1272/2008 classification, labelling & packaging of substances & mixtures.

APPROVED CODE OF PRACTICE

Classification and Labelling of Substances and Preparations Dangerous for Supply. Safety Data Sheets for Substances and Preparations.

GUIDANCE NOTES

ECHA Guidance on the application of CLP criteria (Version 4: November 2013). ECHA Guidance on the compilation of safety data sheets (Version 2.1: February 2014)

15.2. CHEMICAL SAFETY ASSESSMENT

No chemical safety assessment has been carried out as product is a mixture.

SECTION 16: OTHER INFORMATION

16.1. REVISION COMMENTS

This product is now using classification from GHS/CLP- Regulation (EC) No 1272/2008 classification and labelling & packaging of. The risk statements listed below relate to the raw materials in the product not the product itself.

HAZARD STATEMENT IN FULL (CLP)

H290 - May be corrosive to metals.

H302 - Harmful if swallowed.

H314 - Causes severe skin burns and eye damage.

H318 - Causes serious eye damage.

H332 - Harmful if inhaled.

DISCLAIMER

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use. The user assumes all liability for any damage or injury resulting from abnormal use, from the failure to adhere to recommended practises, or from hazards inherent in the nature of the product. In accordance with our policy of incorporating technical improvements, we reserve the right to amend any specification without notice.