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MATERIAL SAFETY DATA SHEET

PRODUCT INFORMATION

NORMATIC DISHWASH LIQUID

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

1.1 PRODUCT IDENTIFIER

NORSAN NORMATIC DISHWASH
Hard & Soft Water Automatic Machine
Dishwasher Detergent

1.3 DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET

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

General Description:

A high performance detergent liquid for use in commercial dishwashers to effectively remove stubborn soiling and food deposits from cutlery, crockery, glassware, stainless steel pots, pans, trays and any other cooking utensils. Specially formulated with a complex blend of agents to combat hard water conditions.

Directions For Use:

Place dosing tube into the container so that it reaches the bottom. The dosing unit will automatically dispense into the machine. Depending on water hardness and soil type set control equipment at 0.125% to 1% (carefully following the technical instructions) and use at 60°C (140°F).

SECTION 2: HAZARDS IDENTIFICATION

2.1 CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

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

Acute. Tox. 4 - Inha, H332. Met. Corr. 1, H290
Rep Tox 2, H361d. Skin. Corr. 1A B C, H314
Not classified.

2.2 LABEL ELEMENTS

PICTOGRAM CODE

GHS05

GHS08

PICTOGRAM



SIGNAL WORD

DANGER

HAZARD STATEMENTS

H290 - May be corrosive to metals.

H314 - Causes severe skin burns and eye damage.

H332 - Harmful if inhaled.

H361d - Suspected of damaging the unborn child.

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

P301+P330+P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.

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

DISPOSAL

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

None known

PRECAUTIONARY STATEMENTS

2.3 OTHER HAZARDS

EUROPEAN UNION
(DANGEROUS SUBSTANCES DIRECTIVE)

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 MIXTURES

SUBSTANCE	CAS. NO	EINECS No.	HAZARD	RANGE
Pentasodium Diethylenetriaminepentaacetate	140-01-2	205-391-3	H332, H361d	5-15%
Sodium Hydroxide	1310-73-2	215-185-5	H290, H314, H318	5-15%

SECTION 4: FIRST AID MEASURES

4.1 DESCRIPTION OF FIRST AID MEASURES

GENERAL ADVICE

Remove contaminated clothing and wash off skin/eyes immediately.

AFTER INHALATION

Move the exposed person(s) to fresh supply of air. Get medical attention if discomfort continues.

AFTER CONTACT WITH SKIN

Wash 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

Inhalation may cause pain in respiratory system, sneezing. Soreness and reddening of skin. Painful irritation, reddening and watering of eyes. Ingestion may cause pain in digestive tract.

CONTACT WITH SKIN

Skin irritation.

CONTACT WITH EYES

Eye irritation.

INGESTION

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 5: 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



AVOID BREATHING
IN VAPOURS

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE/ODOUR

Odourless pale straw coloured liquid (Method: QP22).

pH LEVEL

>13 (Method: QP03).

FLAMMABLE/FLASH POINT

Not flammable.

SOLUBILITY

Soluble/dispersible in water.

VISCOSITY

As water @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 decomposition if stored and applied as directed.

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

Avoid exposure to high temperature or direct sunlight.

10.5 INCOMPATIBLE MATERIALS

None known.

10.6 HAZARDOUS DECOMPOSITION PRODUCTS

Contact with aluminium may produce flammable hydrogen.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. INFORMATION ON TOXICOLOGICAL EFFECTS

INHALATION

Inhalation may cause pain in respiratory system, sneezing. Soreness and reddening of skin. Painful irritation, reddening and watering of eyes. Ingestion may cause pain in digestive tract.

CONTACT WITH SKIN

Skin irritation.

CONTACT WITH EYES

Eye irritation.

INGESTION

SECTION 12: ECOLOGICAL INFORMATION

ECOTOXICITY

The product may affect the acidity (pH-factor) in water with risk of harmful effects to aquatic organisms.

12.1 TOXICITY

No aquatic testing has been carried out for this product.

12.2. PERSISTENCE AND DEGRADABILITY

12.3. BIOACCUMULATIVE POTENTIAL

12.4. MOBILITY IN SOIL

The product is miscible with water. May spread in water systems.

12.5. RESULTS OF PBT AND VPVB ASSESSMENT

12.6. OTHER ADVERSE EFFECTS

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. WASTE TREATMENT METHODS

This product is not classified as hazardous waste under the special waste (amendment) regulations (SI 1996/2019). For disposal contact a licensed waste management company. Rinse out container at least twice in water and recycle if facilities exist or dispose of as commercial waste. European waste catalogue: 20 01 29.

SECTION 14: TRANSPORT INFORMATION

14.1. UN NUMBER

1760

14.2. UN PROPER SHIPPING NAME

NORSAN NORMATIC DISHWASH LIQUID

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

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

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.

H314 - Causes severe skin burns and eye damage.

H318 - Causes serious eye damage.

H332 - Harmful if inhaled.

H361d - Suspected of damaging the unborn child.

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.