

MATERIAL SAFETY DATA SHEET

(conforming to E.E.C. directive 2001/58)

DW DESCALER

Date of print 13/07/15 date / revised : 12-03-2007

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1. SUBSTANCE/PREPARATION AND COMPANY IDENTIFICATION

1.1 Product name : **DW DESCALER**

1.2 Use: Scale remover powder for dishwashers

1.3 Company data :

1.3.1 Name : Forenz'dino zoani di Alberto Zoani &c s.n.c.

1.3.2 Adress : Via XXV Aprile 4/b 20030 Senago MI

1.3.3 Telephone : +39 02 9981050

1.3.4 Fax : +39 02 99010874

1.4 Emergency telephone : Ospedale Di Niguarda - Milano Centro Anti Veleni Tel : 02 66101029

2. COMPOSITION/INFORMATION ON INGREDIENTS

General description of compounds, their concentrations and dangers:

<i>Compounds' chemical name</i>	<i>Range of concentration %</i>	<i>Symbol</i>	<i>R phrases</i>	<i>CAS No.</i>
Urea Phosphate	over 30%	C - Xi	R34 R36/37/38	4861-19-2

Refer to point 16 for complete legend of risk phrases

3. HAZARD IDENTIFICATION

Product classified as hazardous

Classification / main physical-chemical dangers/negative effects for health and environment/etc.

Main risks for health (also in case of improper use) : The threat posed by the product is associated with its corrosive power.

Main environmental risks (also if product used incorrectly) : the chief source of danger is the fact that the product can be introduced into watercourses without being treated.

4. FIRST-AID MEASURES

4.1 General advice : in case of doubt or if symptoms persists, call in a doctor, with the product's safety sheet at hand.

Do not administer any substances through the mouth to unconscious persons.

4.2 First-aid in case of:

4.2.1. Swallowing : if the victim is conscious let drink a lot of water (if possible active carbon).

4.2.2. Inhalation : immediately remove victim to fresh air; If the complaint persists, seek specialist medical care.

4.2.3. Contact with skin : immediately remove the contaminated garments Wash immediately with plenty of running water.

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4.2.4. Contact with eyes : in case of contact with eyes, rinse with plenty of water for at least fifteen minutes. If the complaint persists, seek specialist medical care.

5. FIRE-FIGHTING MEASURES

Particular risks : The product is non-combustible. When heated, it may produce harmful gas emissions.

5.1 Suitable extinguishing media: /

5.2 Extinguishing media not to be used for safety reasons : /

5.3 Special exposure dangers linked to substance, products of combustion or fumes produced : avoid inhaling fumes.

5.4 Special protective equipment for fire-fighting team: use respiratory equipment.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions (refer also to point 8):

Use personal protective clothing depending the entity of spreading. For example gloves, protective glasses, protective garments.

6.2 Environmental precautions:

Contain contaminated water/firefighting water. Do not discharge into drains/surface/ waters/ groundwater.

6.3 Methods for cleaning up or taking up (refer also to point 13):

Pick up with suitable absorbent material. Dispose of absorbed material in accordance with local regulations. After collecting the spilled material, clean the affected area and materials with water.

7. HANDLING AND STORAGE

7.1 Handling : avoid contact with the eyes and skin. Wear adequate protective gear.

7.2 Storage : store the product in a dry and well ventilated area; avoid bringing the product in contact with moisture and water. Do not store near potential sources of excessive heat.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

8.1 Limit exposure value:

8.2 Control of exposure:

8.2.1 Control of professional exposure: not required under normal use.

8.2.1.1 Respiratory protection : not required under normal use.

8.2.1.2 Hand protection : wear protective gloves for long uses. The gloves are to be changed at first wear and tear signs. Wear gloves after a good hand cleaning action. The choice of gloved depends also from conditions of use and its needed to follow manufacturer declarations. In any case refer to UNI-EN 374 directive.

8.2.1.3 Eye protection : Wear chemical agents glasses. If necessary refer to UNI-EN 166 directive

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8.2.1.4 Skin protection : wear adequate garments

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 General information

Form	powder
Colour	white
Odour	odourless

9.2 Important information about human health, safety and environment

pH : 1:100 solution in water	1,8
Boiling point/interval of base	not determinable
Melting point	117°C
Flash point	not flammable
n-octanol/water partition coefficient	Undefined
Self-flammability	none
Explosive properties	none
Vapour pressure at 20°C	not determinable
Relative density at 20°C	apparent 1759 kg/mc
Solubility in water	Soluble
Solubility in oil	insoluble

9.3 Other information: none

10. STABILITY AND REACTIVITY

10.1 Conditions to be avoided : high temperatures.

10.2 Substances to be avoided : none.

10.3 Hazardous decomposition products: toxic fumes containing nitrogen oxides or ammonia.

11. TOXICOLOGICAL INFORMATION

11.1 Information about the different ways of exposures.

Inhalation: low risk.

Ingestion: May damage the digestive tract due to its corrosive power.

Contact with skin: single, prolonged exposure will probably not cause the product to be absorbed through the skin in dangerous quantities. It can be irritating for prolonged time of contact

Contact with eyes: The product is irritating by contact to the eyes .

Acute toxicity value for Urea Phosphate 5.650 mg/kg.

12. ECOLOGICAL INFORMATION

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12.1 Mobility

The product is easily diluted in water

12.2 Persistence and degradability:

absent.

Information for wastewater treatment : neutralisation and active carbon treatment.

Use according to correct workplace practice, avoiding release of the product into the environment.

13. DISPOSAL CONSIDERATIONS

Elimination information / EC and national regulations.

As required by rules and regulations of each interested Country.

Disposal of the material : burn in a special incinerator under carefully controlled conditions, in compliance with the local and national regulations in force.

Disposal of the container : wash the empty container in order to recover all product residues; the washed container can then be recycled or disposed of by incineration.

14. TRANSPORT INFORMATION

Transport classification

ADR : 1759 SOLID CORROSIVE, N.A.S., 8, III, ADR L.Q.

IMO:

15. REGULATORY INFORMATION

Regulations of the classification following directives of dangerous substances :

CE Classification : not hazardous hazardous

Substance chemical name : Urea Phosphate

Hazard symbol(s) : C



R-phrase(s) :

R34 Causes burns

R36/37/38 Irritating to eyes, respiratory system and skin.

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S-phrase(s) :

S2 Keep out of the reach of children.

S22 Do not breathe dust

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S36 Wear suitable protective clothing.

S45 In case of accident or if you feel unwell, seek medical advice immediately and show this container or label

The product is classified as hazardous and therefore the user must evaluate the chemical risk potentially arising from use of the product, as prescribed by the Regulation in force. Such an evaluation must take into account not only the hazard category, but also the amounts used, the method of use and the collective and individual protective measures taken by the user of the product.

16. OTHER INFORMATION

Important information for safety, health and environment:

Text for R-phrases:

R34 Cause burns

R36/37/38 Irritating to eyes, respiratory system and skin.

Advertising of Professional formation

The information contained herein is based on the present state of our knowledge and does not therefore guarantee certain properties.

The user is responsible for taking all the necessary measures for compliance with descriptions of safety data sheet, and general safety and hygiene measures. Handle in accordance with good industrial hygiene and safety practice.

The product must not be used for purposes different from those specified in section 1,

Others informations:

