

# SAFETY DATA SHEET DESTAIN POWDER

According to Regulation (EU) No 453/2010

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

### 1.1. Product identifier

Product Name                      DESTAIN POWDER  
Product No.                         208

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

Identified uses                      Cleaning agent

### 1.3. Details of the supplier of the safety data sheet

Supplier:                              Kitchenmaster NI Ltd  
   11 Comber Road  
   Belfast  
   BT8 8AN  
   Tel. 028 90814777  
   Fax. 028 90812881  
   email: sds@kitchenmaster-ni.com

### 1.4. Emergency telephone number

028 9081 4777  
08:30 - 17:00 Monday to Thursday  
08:30 - 16:30 Friday

## SECTION 2: HAZARDS IDENTIFICATION

### 2.1. Classification of the substance or mixture

Classification (1999/45)              Xn;R22. C;R34.

Human Health

Harmful if swallowed. Corrosive. Prolonged contact causes serious eye and tissue damage.

Environment

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

Physical And Chemical Hazards

Dust may irritate respiratory system or lungs.

### 2.2. Label elements

Contains:                              DISODIUM METASILICATE  
   SODIUM PERCARBONATE

Detergent Labelling:

5 - < 15%	Phosphates
< 5%	Anionic surfactants

Labelling



Corrosive



Harmful

Risk Phrases

R22	Harmful if swallowed.
R34	Causes burns.

Safety Phrases

S24/25	Avoid contact with skin and eyes.
S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S36/37/39	Wear suitable protective clothing, gloves and eye/face protection.
S45	In case of accident or if you feel unwell, seek medical advice immediately (show label where possible).
S60	This material and its container must be disposed of as hazardous waste.

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## 2.3. Other hazards

This product does not contain any PBT or vPvB Substances.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.2. Mixtures

DISODIUM METASILICATE	10-30%
CAS-No.: 6834-92-0	EC No.: 229-912-9
Classification (EC 1272/2008) Skin Corr. 1B - H314 STOT Single 3 - H335	Classification (67/548) C;R34 Xi;R37
SODIUM CARBONATE	10-30%
CAS-No.: 497-19-8	EC No.: 207-838-8
Classification (EC 1272/2008) Eye Irrit. 2 - H319	Classification (67/548) Xi;R36
SODIUM PERCARBONATE	15-35%
CAS-No.: 15630-89-4	EC No.: 239-707-6
Classification (EC 1272/2008) Ox. Sol. 2 - H272 Acute Tox. 4 - H302 Eye Dam. 1 - H318	Classification (67/548) Xn;R22. Xi;R41. O;R8.

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16

## SECTION 4: FIRST AID MEASURES

### 4.1. Description of first aid measures

Inhalation.

Dust may irritate respiratory system or lungs. Remove victim immediately from source of exposure. Provide rest, warmth and fresh air. Get medical attention.

Ingestion

May cause discomfort if swallowed. May cause internal injury. Remove victim immediately from source of exposure. Provide rest, warmth and fresh air. Get medical attention immediately!

Skin Contact

Causes burns. Remove victim immediately from source of exposure. Remove contaminated clothes and rinse skin thoroughly with water. Get medical attention if irritation persists after washing.

Eye Contact

Causes burns. Remove victim immediately from source of exposure. Immediately flush with plenty of water or eyewash solution for up to 10 minutes. Make sure to remove any contact lenses from the eyes before rinsing. Get medical attention immediately. Continue to rinse.

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

Inhalation.

Dust may irritate respiratory system or lungs.

Ingestion

May cause discomfort if swallowed. Burning sensation in mouth. May cause internal injury.

Skin Contact

Causes burns. Blistering may occur.

Eye Contact

Causes burns. Corneal damage.

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

Wash off promptly and flush contaminated skin with water. Promptly remove clothing if soaked through and flush skin with water.

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## SECTION 5: FIREFIGHTING MEASURES

### **5.1. Extinguishing media**

Extinguishing Media

The product is non-combustible. Use fire-extinguishing media appropriate for surrounding materials.

### **5.2. Special hazards arising from the substance or mixture**

Hazardous Combustion Products

During fire, toxic gases (CO, CO<sub>2</sub>) are formed.

Unusual Fire & Explosion Hazards

No unusual fire or explosion hazards noted.

### **5.3. Advice for firefighters**

Special Fire Fighting Procedures

No specific fire fighting procedure given.

Protective Measures In Fire

Self contained breathing apparatus and full protective clothing must be worn in case of fire.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

### **6.1. Personal precautions, protective equipment and emergency procedures**

Wear protective clothing as described in Section 8 of this safety data sheet.

### **6.2. Environmental precautions**

Avoid discharge to the aquatic environment.

### **6.3. Methods and material for containment and cleaning up**

Collect spillage with shovel, broom or the like and reuse, if possible. Dispose of large amounts of spillage/waste according to agreement with local authorities. Avoid generation and spreading of dust. Containers with collected spillage must be properly labelled with correct contents and hazard symbol.

### **6.4. Reference to other sections**

Wear protective clothing as described in Section 8 of this safety data sheet. See section 11 for additional information on health hazards. Collect and dispose of spillage as indicated in section 13.

## SECTION 7: HANDLING AND STORAGE

### **7.1. Precautions for safe handling**

Read and follow manufacturer's recommendations. Avoid spilling, skin and eye contact. Avoid handling which leads to dust formation. Wash hands after handling.

### **7.2. Conditions for safe storage, including any incompatibilities**

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

Storage Class

Corrosive storage.

### **7.3. Specific end use(s)**

Usage Description

Non-biological laundry detergent.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### **8.1. Control parameters**

Ingredient Comments

No exposure limits noted for ingredient(s).

### **8.2. Exposure controls**

Protective Equipment



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Engineering Measures

Provide adequate ventilation.

Respiratory Equipment

If ventilation is insufficient, suitable respiratory protection must be provided.

Hand Protection

Use protective gloves. The most suitable glove must be chosen in consultation with the gloves supplier, who can inform about the breakthrough time of the glove material.

Eye Protection

Wear approved safety goggles.

Other Protection

Wear appropriate clothing to prevent any possibility of skin contact. Provide eyewash station.

Hygiene Measures

Wash hands after contact. Wash at the end of each work shift and before eating, smoking and using the toilet. When using do not eat, drink or smoke.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. Information on basic physical and chemical properties

Appearance                                      Crystalline powder

Odour    Characteristic

### 9.2. Other information

None.

## SECTION 10: STABILITY AND REACTIVITY

### 10.1. Reactivity

Reacts violently with strong acids.

### 10.2. Chemical stability

Stable under normal temperature conditions and recommended use.

### 10.3. Possibility of hazardous reactions

Hazardous Polymerisation

Will not polymerise.

### 10.4. Conditions to avoid

Avoid excessive heat for prolonged periods of time. Avoid contact with acids.

### 10.5. Incompatible materials

Materials To Avoid

Strong acids. Powdered metal.

### 10.6. Hazardous decomposition products

During fire, toxic gases (CO, CO<sub>2</sub>) are formed.

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1. Information on toxicological effects

Inhalation

May cause damage to mucous membranes in nose, throat, lungs and bronchial system.

Ingestion.

Harmful if swallowed. Causes burns.

Skin Contact

Causes burns.

Eye Contact

Causes burns.

## SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity:

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

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## **12.1. Toxicity**

Acute Toxicity - Fish

Not determined.

## **12.2. Persistence and degradability**

Degradability:

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

## **12.3. Bioaccumulative potential**

Bioaccumulative Potential:

No data available on bioaccumulation.

## **12.4. Mobility in soil**

Mobility:

The product is soluble in water.

## **12.5. Results of PBT and vPvB assessment**

This product does not contain any PBT or vPvB Substances.

## **12.6. Other adverse effects**

Name	SODIUM CARBONATE
LC 50, 96 Hrs, Fish mg/l	300 - 740
EC 50, 48 Hrs, Daphnia, mg/l	176 - 565
Name	DISODIUM METASILICATE
LC 50, 96 Hrs, Fish mg/l	210 - 2320
Name	SODIUM PERCARBONATE
LC 50, 96 Hrs, Fish mg/l	70.7 Pimephales promelas
EC 50, 48 Hrs, Daphnia, mg/l	4.9 Daphnia pulex (Water flea)
Bioaccumulative Potential	
Will not bio-accumulate.	

## **SECTION 13: DISPOSAL CONSIDERATIONS**

General Information

Waste is classified as hazardous waste. Disposal to licensed waste disposal site in accordance with the local Waste Disposal Authority.

### **13.1. Waste treatment methods**

Dispose of waste and residues in accordance with local authority requirements. Recover and reclaim or recycle, if practical.

## **SECTION 14: TRANSPORT INFORMATION**

### **14.1. UN number**

UN No. (ADR/RID/ADN)	3253
UN No. (IMDG)	3253
UN No. (ICAO)	3253

### **14.2 UN Proper shipping name**

Proper Shipping Name      DISODIUM TRIOXOSILICATE

### **14.3 Transport hazard class(es)**

ADR/RID/ADN Class	8
ADR/RID/ADN Class	Class 8: Corrosive substances.
ADR Label No.	8
IMDG Class	8
ICAO Class/Division	8
Transport Labels	

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## **14.4. Packing group**

ADR/RID/ADN Packing group	III
IMDG Packing group	III
ICAO Packing group	III

## **14.5. Environmental hazards**

Environmentally Hazardous Substance/Marine Pollutant  
No.

## **14.6. Special precautions for user**

EMS	F-A, S-B
Emergency Action Code	2X
Hazard No. (ADR)	80
Tunnel Restriction Code	(E)

## **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

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716).

Approved Code Of Practice

Classification and Labelling of Substances and Preparations Dangerous for Supply.

Guidance Notes

Workplace Exposure Limits EH40.

Eu Legislation

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments.

#### **15.2. Chemical Safety Assessment**

No chemical safety assessment has been carried out.

### **SECTION 16: OTHER INFORMATION**

Revision Comments

Formulation amended. Classification change. Re-issued according to Regulation (EU) No 453/2010.

Revision Date	01-2011
Revision	3
Supersedes Date	04-2008

Risk Phrases In Full

R34	Causes burns.
R8	Contact with combustible material may cause fire.
R22	Harmful if swallowed.
R36	Irritating to eyes.
R37	Irritating to respiratory system.
R41	Risk of serious damage to eyes.

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### Hazard Statements In Full

H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H314	Causes severe skin burns and eye damage.
H302	Harmful if swallowed.
H335	May cause respiratory irritation.
H272	May intensify fire; oxidiser.