

# SAFETY DATA SHEET POWDER DEGREASER

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 POWDER DEGREASER  
Product No. 205

### 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/EEC) C;R34. Xi;R37.

#### Human health

Corrosive. Prolonged contact causes serious eye and tissue damage. Irritating to respiratory system.

#### Environment

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

### 2.2. Label elements

Contains DISODIUM METASILICATE

#### Detergent Labelling:

15 - < 30% phosphates  
< 5% non-ionic surfactants

#### Labelling



Corrosive

#### Risk Phrases

R34 Causes burns.  
R37 Irritating to respiratory system.

#### Safety Phrases

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
S45 In case of accident or if you feel unwell, seek medical advice immediately (show label where possible).  
S51 Use only in well-ventilated areas.  
S24/25 Avoid contact with skin and eyes.  
S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.  
S60 This material and its container must be disposed of as hazardous waste.

### 2.3. Other hazards

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

# POWDER DEGREASER

## 3.2. Mixtures

<b>ALCOHOL ETHOXYLATE-7 MOLE</b> <span style="float: right;"><b>1-5%</b></span>	
<b>CAS-No.: 68131-39-5</b>	<b>EC No.:</b>
Classification (EC 1272/2008) Acute Tox. 4 - H302 Eye Dam. 1 - H318 Aquatic Acute 1 - H400	Classification (67/548/EEC) Xn;R22. Xi;R41. N;R50.
<b>DISODIUM METASILICATE</b> <span style="float: right;"><b>10-30%</b></span>	
<b>CAS-No.: 6834-92-0</b>	<b>EC No.: 229-912-9</b>
Classification (EC 1272/2008) Skin Corr. 1B - H314 STOT SE 3 - H335	Classification (67/548/EEC) C;R34 Xi;R37
<b>SODIUM CARBONATE</b> <span style="float: right;"><b>31-35</b></span>	
<b>CAS-No.: 497-19-8</b>	<b>EC No.: 207-838-8</b>
Classification (EC 1272/2008) Eye Irrit. 2 - H319	Classification (67/548/EEC) Xi;R36

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

Remove victim immediately from source of exposure. Provide rest, warmth and fresh air. Get medical attention.

#### Ingestion

Remove victim immediately from source of exposure. Provide rest, warmth and fresh air. Get medical attention immediately!

#### Skin contact

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

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. May cause internal injury.

#### Skin contact

Causes burns.

#### Eye contact

Causes burns.

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

The severity of the symptoms described will vary dependant of the concentration and the length of exposure.

## SECTION 5: FIREFIGHTING MEASURES

### 5.1. Extinguishing media

#### Extinguishing media

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

# POWDER DEGREASER

## Unsuitable extinguishing media

Not relevant

## **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.

### Specific hazards

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

## **5.3. Advice for firefighters**

### Special Fire Fighting Procedures

No specific fire fighting procedure given.

### Protective equipment for fire-fighters

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. For waste disposal, see 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)**

The identified uses for this product are detailed in Section 1.2.

## 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



#### Engineering measures

Provide adequate ventilation.

#### Respiratory equipment

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

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## 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 hands 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

Not determined.

## SECTION 10: STABILITY AND REACTIVITY

### 10.1. Reactivity

Reaction with: 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

Acids.

### 10.6. Hazardous decomposition products

None under normal conditions.

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1. Information on toxicological effects

#### Inhalation

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

#### Ingestion

Causes burns. May cause internal injury.

#### Skin contact

Causes burns. Blistering may occur.

#### Eye contact

Causes burns. Risk of corneal damage.

#### Toxicological information on ingredients.

**POWDER DEGREASER**  
**SODIUM CARBONATE (CAS: 497-19-8)**

**Acute toxicity:**

**Acute Toxicity (Oral LD50)**

2800 mg/kg Rat  
REACH dossier information

**Acute Toxicity (Dermal LD50)**

> 2000 mg/kg Rabbit  
REACH dossier information

**Acute Toxicity (Inhalation LC50)**

2300 mg/m<sup>3</sup> (aerosol) Rat 2 hours  
REACH dossier information

**DISODIUM METASILICATE (CAS: 6834-92-0)**

**Acute toxicity:**

**Acute Toxicity (Oral LD50)**

994 mg/kg Rat  
REACH dossier information

**Acute Toxicity (Dermal LD50)**

> 3000 mg/kg Rat  
REACH dossier information

**Acute Toxicity (Inhalation LC50)**

> 2.06 mg/l (vapours) Rat  
REACH dossier information

**ALCOHOL ETHOXYLATE-7 MOLE (CAS: 68131-39-5)**

**Acute toxicity:**

**Acute Toxicity (Oral LD50)**

> 5000 mg/kg Rat  
REACH dossier information

**Acute Toxicity (Dermal LD50)**

> 2000 mg/kg Rat  
REACH dossier information

**Acute Toxicity (Inhalation LC50)**

> 1.6 mg/l (dust/mist) Rat 4 hours  
REACH dossier information

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**SECTION 12: ECOLOGICAL INFORMATION**

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**Ecotoxicity**

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

**12.1. Toxicity**

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### Ecological information on ingredients.

#### SODIUM CARBONATE (CAS: 497-19-8)

##### **Acute Toxicity - Fish**

LC50 96 hours 300 mg/l *Lepomis macrochirus* (Bluegill)

REACH dossier information

##### **Acute Toxicity - Aquatic Invertebrates**

EC50 48 hours 200 mg/l *Ceriodaphnia* sp.

REACH dossier information

#### DISODIUM METASILICATE (CAS: 6834-92-0)

##### **Acute Toxicity - Fish**

LC50 96 hours 210 mg/l *Brachydanio rerio* (Zebra Fish)

REACH dossier information

##### **Acute Toxicity - Aquatic Invertebrates**

EC50 48 hours 7.8 pH *Daphnia magna*

REACH dossier information

##### **Acute Toxicity - Aquatic Plants**

EC50 72 hours 207 mg/l *Desmodosmus subspicatus*

REACH dossier information

#### ALCOHOL ETHOXYLATE-7 MOLE (CAS: 68131-39-5)

##### **Acute Toxicity - Fish**

LC50 96 hours 0.59 mg/l *Pleuronectes platessa*

REACH dossier information

##### **Acute Toxicity - Aquatic Invertebrates**

EC50 48 hours 0.14 mg/l *Daphnia magna*

REACH dossier information

##### **Acute Toxicity - Aquatic Plants**

EC50 72 hours 0.75 mg/l *Selenastrum capricornutum*

REACH dossier information

### **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.

### Ecological information on ingredients.

#### DISODIUM METASILICATE (CAS: 6834-92-0)

##### **Biodegradation**

Scientifically unjustified.

REACH dossier information

#### ALCOHOL ETHOXYLATE-7 MOLE (CAS: 68131-39-5)

##### **Biodegradation**

Activated sludge Degradation (72%) 28 days

REACH dossier information

The substance is readily biodegradable.

### **12.3. Bioaccumulative potential**

#### **Bioaccumulative potential**

No data available on bioaccumulation.

### Ecological information on ingredients.

#### ALCOHOL ETHOXYLATE-7 MOLE (CAS: 68131-39-5)

##### **Bioaccumulation factor**

BCF 12.7 *Pimephales promelas* (Fat-head Minnow)

REACH dossier information

### **12.4. Mobility in soil**

#### **Mobility:**

The product is soluble in water.

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

# POWDER DEGREASER

Not determined.

## 12.6. Other adverse effects

Not determined.

## 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	



### 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

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

Not applicable.

## SECTION 15: REGULATORY INFORMATION

# POWDER DEGREASER

## 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 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments.

## 15.2. Chemical Safety Assessment

No chemical safety assessment has been carried out.

## SECTION 16: OTHER INFORMATION

### **Revision Comments**

Re-issued according to Regulation (EU) No 453/2010.

**Revision Date** 04-2012

**Revision** 3

**Supersedes date** 04-2008

### **Risk Phrases In Full**

R34	Causes burns.
R22	Harmful if swallowed.
R36	Irritating to eyes.
R37	Irritating to respiratory system.
R41	Risk of serious damage to eyes.
R50	Very toxic to aquatic organisms.

### **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.
H400	Very toxic to aquatic life.