| | |
|---|---|
| **Product** | POWDER DEGREASER |
| **Revision date** | 01 June 2017 |
| **Revision** | 1 |

# Safety Data Sheet (SDS)

## Section 1: Identification of the substance/preparation and of the company/undertaking

### 1.1 Product identifier

| | |
|---|---|
| **Product name** | **POWDER DEGREASER** |
| **Product no.** | **205** |
| **Synonyms, Trade names** | No information available. |

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

| | |
|---|---|
| **Identified uses** | Cleaning agent. |
| **Uses advised against** | No uses advised against are identified. |

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

| | |
|---|---|
| **Supplier** | Kitchenmaster NI Ltd<br>11 Comber Road<br>Belfast<br>BT8 8AN<br>United Kingdom<br>Tel: 028 9081477 02890812881 |
| **Contact person** | sales@kitchenmaster-ni.com |

### 1.4 Emergency telephone number

| | |
|---|---|
| **Emergency telephone** | 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 (EC 1272/2008)**

| | |
|---|---|
| Physical and chemical hazards | Not classified |
| Human health | Skin Corr. 1B - H314, Eye Dam. 1 - H318, STOT SE 3 - H335 |
| Environment | Not classified |

### 2.2 Label elements

| | |
|---|---|
| **Contains** | disodium metasilicate<br>Alcohols, C12-15, ethoxylated |
| **Detergent labeling** | ≥15% <30% Phosphates<br><5% non-ionic surfactants |
| **Label in accordance with (EC) no. 1272/2008** |  |
| **Signal word** | Danger |
| **Hazard statements** | H314 Causes severe skin burns and eye damage.<br>H335 May cause respiratory irritation. |
| **Precautionary statements** | **Prevention**<br>P260 Do not breathe dust/fume/ gas/mist/vapours/spray.<br>P280 Wear protective gloves/ protective clothing/eye protection/face protection. |

**Response**
P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312 Call a POISON CENTER or doctor/physician if you feel unwell.
**Storage**
P403 + P233 Store in a well-ventilated place. Keep container tightly closed.

### 2.3 Other hazards

None known.

## Section 3: Composition/identification of ingredients

### 3.1 Substance

Not applicable.

### 3.2 Mixtures

| Name | Product identifier | Reg. EU 1272/2008 | % |
|---|---|---|---|
| sodium carbonate | CAS-No.: 497-19-8<br>EC No.: 207-838-8<br>REACH Reg No.: 01-2119485498-19-0000 | Eye Irrit.2A - H319 | 30-60% |
| disodium metasilicate | CAS-No.: 6834-92-0<br>EC No.: 229-912-9 | Skin Corr. 1B - H314, STOT SE 3 - H335 | 10-30% |
| Trisodium Phosphate Dodecahydrate | CAS-No.: 10101-89-0<br>EC No.: | Skin Irrit.2 - H315, Eye Irrit.2A - H319 | 10-30% |
| Alcohols, C12-15, ethoxylated | CAS-No.: 68131-39-5<br>EC No.: 500-195-7 | Eye Dam. 1 - H318, Aquatic Acute 1 - H400, Aquatic Chronic 3 - H412 | 0-1% |

The full text for all hazard statements are displayed in section 16.

**Composition comments** The data shown are in accordance with the latest EC Directives. This product contains (a) substance(s) included on the candidate list according to article 59 (1,10) of regulation EC No. 1907/2006 ('REACH'): 5-tert-butyl-2,4,6-trinitro-m-xylene (Musk xylene, EC No: 201-32--4, Cas No: 81-15-2.)

## Section 4: First aid measures

### 4.1 Description of first aid measures

**General information** Provide general first aid, rest, warmth and fresh air. As a general rule, in case of doubt or if symptoms persist, always call a doctor. Seek medical attention for all burns and eye injuries, regardless how minor they may seem. First aid personnel must be aware of own risk during rescue.

**Inhalation** If this product is inhaled and symptoms occur, move the exposed person to fresh air promptly. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention.

**Ingestion** Remove victim immediately from source of exposure. If person is conscious rinse mouth thoroughly. Do not induce vomiting. Provide fresh air, warmth and rest, preferably in comfortable upright sitting position. Get medical attention immediately!

**Skin contact** If this product contacts the skin, immediately flush the affected area with plenty of clean running water for at least fifteen (15) minutes. If the product penetrates the clothing, promptly remove the contaminated clothing or shoes, and flush the affected area as described. Contact physician if irritation continues or sores develop.

**Eye contact** Remove victim immediately from source of exposure. Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes and get medical attention. Obtain medical attention for all cases where eye contact occurs.

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

**General information** The severity of the symptoms described will vary dependent on the concentration and the length of exposure.

**Inhalation** Inhalation of mist or vapor may cause respiratory tract irritation.

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|---|---|
| **Ingestion** | May cause chemical burns in mouth and throat. May cause severe internal injury. |
| **Skin contact** | Corrosive. Causes severe skin burns. |
| **Eye contact** | Extreme irritation of eyes and mucous membranes, including burning and tearing. Corrosive to eyes. |

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

| | |
|---|---|
| **Notes to the physician** | Treat symptomatically. |

## Section 5: Fire-fighting measures

### 5.1 Extinguishing media

| | |
|---|---|
| **Extinguishing media** | This product is not flammable. Use fire-extinguishing media appropriate for surrounding materials. |
| **Unsuitable extinguishing media** | None noted. |

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

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|---|---|
| **Hazardous combustion products** | When heated, toxic and corrosive vapours/gases may be formed.(CO, CO2). |
| **Unusual fire & explosion hazards** | High concentrations of dust may form explosive mixture with air. |
| **Specific hazards** | Fire creates: Carbon monoxide (CO). Carbon dioxide (CO2). |

### 5.3 Advice for firefighters

| | |
|---|---|
| **Special fire fighting procedures** | If possible, fight fire from protected position. Avoid breathing fire vapours. Ventilate closed spaces before entering them. Containers close to fire should be removed immediately or cooled with water. |
| **Protective equipment for firefighters** | Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents. |

## Section 6: Accidental release measures

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

| | |
|---|---|
| **Personal precautions** | Avoid inhalation of dust or vapours and contact with skin and eyes. Wear protective clothing as described in Section 8 of this safety data sheet. In case of inadequate ventilation, use respiratory protection. Eliminate all sources of ignition. Avoid prolonged or repeated exposure. |
| **For emergency responders** | Follow safe handling advice and personal protective equipment recommendations for normal use of product. Do not touch spilled material. Ventilate area, evacuate personnel. |

### 6.2 Environmental precautions

| | |
|---|---|
| **Environmental precautions** | Do not discharge onto the ground or into water courses. |

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

| | |
|---|---|
| **Spill clean up methods** | DO NOT touch spilled material! Wear appropriate personal protective equipment as specified in Section 8. Ventilate and evacuate the area. Eliminate all ignition sources. Stop leak if possible without risk. Take care not to raise dust.<br>Collect powder using special dust vacuum cleaner with particle filter or carefully sweep into closed container Ensure that waste and contaminated materials are collected and removed from the work area as soon as possible in a suitably labelled container. Wash thoroughly after dealing with a spillage. Wash work area with water. |

### 6.4 Reference to other sections

| | |
|---|---|
| **Reference to other sections** | See section 1 for emergency contact. For personal protection, see section 8. For waste disposal, see section 13. |

## Section 7: Handling and storage

### 7.1 Precautions for safe handling

**Handling** Read and follow manufacturer's recommendations. Avoid contact with skin and eyes. Avoid inhalation of vapours. Use proper personal protection when handling (refer to Section 8). Do not handle broken packages without protective equipment. Do not use contact lenses. Keep away from heat, sparks and open flame. Do not mix with other chemicals.

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

**Storage precautions** Store locked up. Keep out of reach of children. Store in tightly closed original container in a dry, cool and well-ventilated place. Keep upright. Do not mix with other chemicals. Keep separate from food, feedstuffs, fertilisers and other sensitive material. Store seperate from other products which react with acids or bases and strong oxidising agents.

**Storage class** Corrosive storage.

### 7.3 Specific end use(s)

**Specific end use(s)** The identified uses for this product are detailed in Section 1.2.

**Usage description** Use only according to directions. Replace and tighten cap after use.

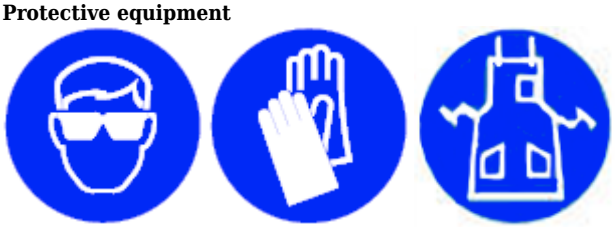
## Section 8: Exposure controls/Personal protection

### 8.1 Control parameters

**Ingredient comments** No exposure limits noted for ingredient(s).

### 8.2 Exposure Controls

**Protective equipment**



**Engineering measures** Provide adequate ventilation, including appropriate local extraction.

**Respiratory equipment** Provide adequate ventilation. If ventilation is insufficient, suitable respiratory protection must be provided. Use respiratory protection as specified by an industrial hygienist or other qualified professional. Use respirators and components tested and approved under appropriate government standards such as CEN (EU). Use respiratory protective components with combined A/P filter(s) for organic vapours/particulates.

**Hand protection** Wear chemical protective gloves that are in accordance with EN 374. Butyl rubber gloves are recommended. Layer thickness 0.11mm. Breakthrough time > 480 minutes. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

**Eye protection** Wear safety goggles to prevent any possibility of eye contact. Use equipment for eye protection tested and approved under appropriate government standards such as EN 166(EU).

**Other protection** Wear appropriate clothing to prevent any possibility of skin contact. Protective clothing should conform to EN 13982 for dusts.

**Hygiene measures** Handle in accordance with good industrial hygiene and safety practice. DO NOT SMOKE IN WORK AREA! Wash hands at the end of each work shift and before eating, smoking and using the toilet.

**Process conditions** Ensure that eye flushing systems and safety showers are located close by in the work place.

## Section 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

**Appearance** Fine, free-flowing white powder.

**Colour** White.

**Odour** Distinct.

**Odour threshold - lower** No information available.

| | |
|---|---|
| **Odour threshold - upper** | No information available. |
| **pH-Value, Conc. Solution** | 12.5-13.5. |
| **pH-Value, Diluted solution** | 12.50 - 13.50 |
| **Melting point** | No information available. |
| **Initial boiling point and boiling range** | No information available. |
| **Flash point** | No information available. |
| **Evaporation rate** | No information available. |
| **Flammability state** | No information available. |
| **Flammability limit - lower(%)** | No information available. |
| **Flammability limit - upper(%)** | No information available. |
| **Vapour pressure** | No information available. |
| **Vapour density (air=1)** | No information available. |
| **Relative density** | No information available. |
| **Bulk density** | No information available. |
| **Solubility** | No information available. |
| **Decomposition temperature** | No information available. |
| **Partition coefficient; n-Octanol/Water** | No information available. |
| **Auto ignition temperature (°C)** | No information available. |
| **Viscosity** | No information available. |
| **Explosive properties** | Not considered to be explosive. |
| **Oxidising properties** | |

### 9.2 Other information

| | |
|---|---|
| **Molecular weight** | No information available. |
| **Volatile organic compound** | No information available. |
| **Other information** | None noted. |

## Section 10: Stability and reactivity

### 10.1 Reactivity

| | |
|---|---|
| **Reactivity** | Reacts with oxidisers/acids. Reacts with most metals in the presence of moisture, liberating hydrogen, an extremely flammable gas. |

### 10.2 Chemical stability

| | |
|---|---|
| **Stability** | Stable under normal temperature conditions and recommended use. |

### 10.3 Possibility of hazardous reactions

| | |
|---|---|
| **Hazardous reactions** | See section 10.1 for information on hazardous reactions. |
| **Hazardous polymerisation** | Will not polymerise. |
| **Polymerisation description** | Unknown. |

### 10.4 Conditions to Avoid

| | |
|---|---|
| **Conditions to avoid** | Strong oxidising substances. Strong acids. Keep away from contact with metals (Nickel, Copper, Cobalt, Aluminium, Manganese, etc.). |

### 10.5 Incompatible materials

| | |
|---|---|
| **Materials to avoid** | Avoid oxidising substances/acids. Do not mix with other chemicals unless listed on directions. |

### 10.6 Hazardous decomposition products

| | |
|---|---|
| **Hazardous decomposition products** | Thermal decomposition or combustion may liberate carbon oxides and nitrogen oxides, and other gasses hazardous to health. |

## Section 11: Toxicological information

### 11.1 Information on toxicological effects

| | |
|---|---|
| **Toxicological information** | No toxicological information for the overall finished product. |
| **Acute toxicity (Oral LD50)** | DISODIUM METASILICATE: 994 mg/kg Rat. SODIUM CARBONATE: 2800 mg/kg Rat. Alcohols, C12 -15, ethoxylated (CAS 68131-39-5): > 5000 mg/kg, Rat. REACH dossier information. |
| **Acute toxicity (Dermal LD50)** | DISODIUM METASILICATE: > 3000 mg/kg Rat. SODIUM CARBONATE: > 2000 mg/kg Rabbit. Alcohols, C12 -15, ethoxylated (CAS 68131-39-5): > 2000 mg/kg, Rat. REACH dossier information. |
| **Acute toxicity (Inhalation LD50)** | DISODIUM METASILICATE: > 2.06 mg/l (vapours) Rat. SODIUM CARBONATE 2300 mg/m³ (aerosol) Rat 2 hours. Alcohols, C12 -15, ethoxylated (CAS 68131-39-5): > 1.6 mg/l, (dust/mist) Rat - 4 hours. REACH dossier information. |
| **Serious eye damage/irritation** | Extreme irritation of eyes and mucous membranes, including burning and tearing. Corrosive to eyes. |
| **Skin corrosion/irritation** | No information available. |
| **Respiratory sensitisation** | No information available. |
| **Skin sensitisation** | No information available. |
| **Germ cell mutagenicity** | No information available. |
| **Carcinogenicity** | No information available. |
| **Specific target organ toxicity - Single exposure:** | |
| **STOT - Single exposure** | No information available. |
| **Specific target organ toxicity - Repeated exposure:** | |
| **STOT - Repeated exposure** | No information available. |
| **Inhalation** | Inhalation of mist or vapor may cause respiratory tract irritation. |
| **Ingestion** | May cause chemical burns in mouth and throat. May cause severe internal injury. |
| **Skin contact** | Corrosive. Causes severe skin burns. |
| **Eye contact** | Extreme irritation of eyes and mucous membranes, including burning and tearing. Corrosive to eyes. |
| **Waste management** | When handling waste, consideration should be made to the safety precautions applying to handling of the product. |
| **Routes of entry** | No information available. |
| **Target organs** | Eyes, skin, respiratory system, lungs. |
| **Aspiration hazards:** | No information available. |
| **Reproductive toxicity:** | No information available. |

## Section 12: Ecological information

### 12.1 Toxicity

| | |
|---|---|
| **Acute toxicity - Fish** | DISODIUM METASILICATE: 96 hours 210 mg/l Brachydanio rerio (Zebra Fish). SODIUM |

| | |
|---|---|
| | CARBONATE: 96 hours 300 mg/l Lepomis macrochirus (Bluegill). |
| **Acute toxicity - Aquatic invertebrates** | DISODIUM METASILICATE: 48 hours 7.8 pH Daphnia magna. SODIUM CARBONATE: 48 hours 200 mg/l Ceriodaphnia sp. |
| **Acute toxicity - Aquatic plants** | DISODIUM METASILICATE: 72 hours 207 mg/l Desmodesmus subspicatus. TROCLOSENE SODIUM: 72 hours > 100 mg/l Skeletonema costatum. |
| **Acute toxicity - Microorganisms** | No information available. |
| **Chronic toxicity - Fish** | No information available. |
| **Chronic toxicity - Aquatic invertebrates** | No information available. |
| **Chronic toxicity - Aquatic plants** | No information available. |
| **Chronic toxicity - Microorganisms** | No information available. |
| **Ecotoxicity** | The product components are not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment. The product may affect the acidity (pH-factor) in water with risk of harmful effects to aquatic organisms. |
| **Eco toxilogical information** | No ecological toxicity available on the overall finished product. |

### 12.2 Persistence and degradability

| | |
|---|---|
| **Degradability** | No information available. |
| **Biological oxygen demand** | No information available. |
| **Chemical oxygen demand** | No information available. |

### 12.3 Bioaccumulative potential

| | |
|---|---|
| **Bioaccumulative potential** | No data available on bioaccumulation. |
| **Bioacculmation factor** | No information available. |
| **Partition coefficient; n-Octanol/Water** | No information available. |

### 12.4 Mobility in soil

| | |
|---|---|
| **Mobility** | The product is soluble in water. |

### 12.5 Results of PBT and vPvB assessment

| | |
|---|---|
| **Results of PBT and vPvB assessment** | The PBT Expert Working Group of the Technical Committee of New and Existing Chemicals in its May 2007 meeting concluded that the following product is a very persistent and very bioaccumulative substance: 5-tert-butyl-2,4,6-trinitro-m-xylene (Musk xylene, EC No: 201-329-4, Cas No: 81-15-2.) |

### 12.6 Other adverse effects

| | |
|---|---|
| **Other adverse effects** | None known. |

## Section 13: Disposal considerations

| | |
|---|---|
| **Waste management** | When handling waste, consideration should be made to the safety precautions applying to handling of the product. |

### 13.1 Waste treatment methods

| | |
|---|---|
| **Disposal methods** | Dispose of waste and residues in accordance with local authority requirements. For waste disposal, use a licensed industrial waste disposal agent. |

## Section 14: Transport information

### 14.1 UN number

| | |
|---|---|
| **UN no. (ADR)** | UN3253 |
| **UN no. (IMDG)** | UN3253 |
| **UN no. (IATA)** | UN3253 |

### 14.2 UN proper shipping name

| | |
|---|---|
| **ADR proper shipping name** | DISODIUM TRIOXOSILICATE |

| | |
|---|---|
| **IMDG proper shipping name** | DISODIUM TRIOXOSILICATE |
| **IATA proper shipping name** | DISODIUM TRIOXOSILICATE |

### 14.3 Transport hazard class(es)

| | |
|---|---|
| **ADR class** | 8 |
| **IMDG class** | 8 |
| **IATA class** | 8 |

**Transport labels**


### 14.4 Packing group

| | |
|---|---|
| **ADR/RID/ADN packing group** | III |
| **IMDG packing group** | III |
| **IATA packing group** | III |

### 14.5 Environmental hazards

| | |
|---|---|
| **ADR** | No |
| **IMDG** | No |
| **IATA** | No |

### 14.6 Special precautions for user

| | |
|---|---|
| **EMS** | F-A, S-B |
| **Emergency action code** | Not applicable. |
| **Hazard no. (ADR)** | 80 |
| **Tunnel restriction code** | (E) |

### 14.7 Transport in bulk according to annex II of MARPOL73/78 and the IBC code

Not applicable.

## Section 15: Regulatory information

### 15.1 Safety, health and environmental regulations/Legislation specific for the substance or mixture

| | |
|---|---|
| **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. The UN Globally Harmonized System (GHS) Safety Data Sheet format (Annex IV) is implemented as Annex II of REACH EU No 453/2010 of 20th May 2010 amending regulation (EC) No 1907/2006. |
| **Approved code of practice** | 2016 Code of Practice for the Chemical Agents Regulations in accordance with section 60 of the Safety, Health and Welfare at Work Act 2005 (No. 10 of 2005).<br><br>EH40/2005 Workplace exposure limits. |
| **Chemical safety assessment** | No chemical safety assessment has been carried out. |

## Section 16: Other information

| | |
|---|---|
| **General information** | This Safety Data Sheet is in accordance with Reach Regulation (EC) No 453/2010. |
| **Revision comments** | This is a first issue. |
| **Revision date** | 01 June 2017 |
| **Revision** | 1 |
| **Safety data sheet status** | Approved. |

### Hazard statements in full

| | |
|---|---|
| **H319** | Causes serious eye irritation. |
| **H314** | Causes severe skin burns and eye damage. |
| **H335** | May cause respiratory irritation. |

| | |
|---|---|
| **H315** | Causes skin irritation. |
| **H302** | Harmful if swallowed. |
| **H318** | Causes serious eye damage. |
| **H400** | Very toxic to aquatic life. |
| **H412** | Harmful to aquatic life with long lasting effects. |

**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.