



Companion in Hygiene Solutions

## SAFETY DATA SHEET

according to Regulation (EU) 2015/830

### 5B Powder Degreaser

Revision: 1  
Revision date: 13/12/2023

#### SECTION 1: Identification of the substance/mixture and of the company/undertaking

##### 1.1 Product identifier

**Product name** 5B Powder Degreaser

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

**Product Use** [SU22] Professional uses: Public domain (administration, education, entertainment, services, craftsmen); [PC35] Washing and cleaning products (including solvent based products);

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

**Company Address** Ionic Products Ltd  
Blaris Industrial Estate, Altona Road, Lisburn, Co Antrim  
BT27 5QB  
United Kingdom  
**Web** [www.ionicproductsltd.com](http://www.ionicproductsltd.com)  
**Telephone** 028 9267 3331  
**Email:** [Info@ionicproductsltd.com](mailto:Info@ionicproductsltd.com)

##### 1.4 Emergency telephone number

**Emergency telephone number** 028 9267 3331. In the event of a medical enquiry involving this product, please contact your GP or local A&E dept.

#### SECTION 2: Hazards identification

##### 2.1 Classification of the substance or mixture

**2.1.2 Classification - EC 1272/2008** Skin Corr. 1A: H314;

##### 2.2 Label elements

###### Hazard pictograms



**Signal Word** Danger

###### Hazard Statement

Skin Corr. 1A: H314 - Causes severe skin burns and eye damage.

###### Precautionary Statement: Prevention

P280 - Wear protective gloves/protective clothing/eye protection/face protection.

###### Precautionary Statement: Response

P301+P330+P331 - IF SWALLOWED: rinse mouth. Do NOT induce vomiting.  
P303+P361+P353 - IF ON SKIN (or hair): 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.  
P310 - Immediately call a POISON CENTER/doctor/ .  
P363 - Wash contaminated clothing before reuse.

###### Precautionary Statement Storage

P405 - Store locked up.

###### Precautionary Statement: Disposal

P501 - Dispose of contents/container to a licensed hazardous-waste disposal contractor or collection site except for empty clean containers which can be disposed of as non-hazardous waste.

##### Further information

Contains: Disodium metasilicate.

#### SECTION 3: Composition/information on ingredients

##### 3.2 Mixtures

EC 1272/2008

Chemical name	Index No.	CAS No.	EC No.	REACH registration Number	Conc (%w/w)	Classification
Sodium carbonate	011-005-00-2	497-19-8	207-838-8	01-2119485498-19	>=75%	Eye Irrit. 2: H319
Disodium metasilicate	014-010-00-8	6834-92-0	229-912-9	01-2119449811-37	3-10%	Skin Corr. 1B: H314; STOT SE 3: H335
Alcohols, C10-16, ethoxylated (7- <15 EO)		68002-97-1			1-3%	Acute Tox. 4: H302; Eye Dam. 1: H318; Aquatic Chronic 3: H412
Sodium alkylbenzenesulphonate		90194-45-9	290-656-6	01-2119490234-40	1-3%	Acute Tox. 4: H302; Skin Irrit. 2: H315; Eye Dam. 1: H318; Aquatic Chronic 3: H412

#### SECTION 4: First aid measures

##### 4.1 Description of first aid measures

Inhalation	Inhalation of vapour may cause shortness of breath. Move the exposed person to fresh air. Seek medical attention.
Eye contact	Causes burns. Causes severe inflammation and may damage the cornea. Wash with water. Seek medical attention.
Skin contact	Causes burns. Wash off immediately with plenty of soap and water. Remove contaminated clothing. Seek medical attention if irritation or symptoms persist.
Ingestion	Ingestion causes burns to the respiratory tract. DO NOT INDUCE VOMITING. If swallowed, seek medical advice immediately and show this container or label.

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

Inhalation	Irritant, Severe respiratory.
Eye contact	Causes severe burns.
Skin contact	Causes severe burns.
Ingestion	Causes severe burns.

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

	No information available on clinical testing and medical monitoring. Specific toxicological information on substances, if available, can be found in section 11.
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#### SECTION 5: Firefighting measures

##### 5.1 Extinguishing media

	Use as appropriate: Carbon dioxide (CO2), Dry chemical, Foam.
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##### 5.2 Special hazards arising from the substance or mixture

	Corrosive. Burning produces irritating, toxic and obnoxious fumes.
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##### 5.3 Advice for firefighters

	Wear suitable respiratory equipment when necessary.
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#### SECTION 6: Accidental release measures

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

	Ensure adequate ventilation of the working area. Evacuate personnel to a safe area. Wear suitable protective equipment.
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##### 6.2 Environmental precautions

	Do not allow product to enter drains. Prevent further spillage if safe.
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##### 6.3 Methods and material for containment and cleaning up

	Transfer to suitable, labelled containers for disposal. Clean spillage area thoroughly with plenty of water.
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##### 6.4 Reference to other sections

	For personal protective equipment see subsection 8.2. For disposal considerations see section 13.
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#### SECTION 7: Handling and storage

##### 7.1 Precautions for safe handling

	Avoid contact with eyes and skin. Ensure adequate ventilation of the working area. Adopt best manual handling considerations when handling, carrying and dispensing.
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##### 7.2 Conditions for safe storage, including any incompatibilities

	Keep in a cool, dry, well ventilated area. Keep containers tightly closed. For incompatibilities refer to section 10.4.
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##### 7.3 Specific end use(s)

	No specific advice for end use available.
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#### SECTION 8: Exposure controls/personal protection

##### 8.1 Control parameters

###### Exposure Pattern - Workers



	Acute inhalation - Local effects	10 mg/kg
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<b>Sodium carbonate</b>	
<b>Disodium metasilicate</b>	Long-term - inhalation - Systemic effects 6.22 mg/m <sup>3</sup> Long-term - dermal - Systemic effects 1.49 mg/kg

#### Exposure Pattern - General population

<b>Sodium carbonate</b>	Acute inhalation - Local effects 10 mg/kg
<b>Disodium metasilicate</b>	Long-term - inhalation - Systemic effects 1.55 mg/m <sup>3</sup> Long-term - dermal - Systemic effects 0.74 mg/kg Long-term - oral - Systemic effects 0.74 mg/kg

#### 8.2 Exposure controls

	 
<b>8.2.1 Appropriate engineering controls</b>	Adopt best Manual Handling considerations when handling, carrying and dispensing. Take off immediately all contaminated clothing. Avoid contact with skin and eyes. Wash hands after handling the product.
<b>8.2.2 Individual protection measures</b>	Ensure adequate ventilation of the working area.
<b>Eye / face protection</b>	Wear chemical protective clothing.
<b>Skin protection - Hand protection</b>	Safety glasses. (EN166)
<b>Respiratory protection</b>	Chemical resistant gloves (PVC). (EN 374)
	Not normally required. Do not breathe gas/fumes/vapour/spray.

### SECTION 9: Physical and chemical properties

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

<b>Appearance</b>	Powder
<b>Colour</b>	Yellow
<b>Odour</b>	Characteristic
<b>pH</b>	@ 1% >11.5
<b>Melting point</b>	Not determined
<b>Freezing Point</b>	Not determined
<b>Initial boiling point</b>	Not determined
<b>Flash point</b>	Not determined
<b>Evaporation rate</b>	Not determined
<b>Flammability (solid, gas)</b>	Not determined
<b>Fat Solubility</b>	Not determined
<b>Partition coefficient</b>	Not determined
<b>Autoignition temperature</b>	Not determined
<b>Viscosity</b>	Not applicable to powders
<b>Explosive properties</b>	Not explosive
<b>Oxidising properties</b>	Not oxidising
<b>Solubility</b>	Soluble in water
<b>Vapour pressure</b>	Not determined

#### 9.2 Other information

<b>Conductivity</b>	Not determined
<b>Surface tension</b>	Not determined
<b>Specific gravity</b>	Not applicable to powders

### SECTION 10: Stability and reactivity

#### 10.1 Reactivity

	No reactivity hazards known under normal storage and use conditions.
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#### 10.2 Chemical stability

	Stable under normal conditions.
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**10.3 Possibility of hazardous reactions**

	No other adverse effects known.
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**10.4 Conditions to avoid**

	Avoid contact with: Acids.
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**SECTION 11: Toxicological information****11.1 Information on toxicological effects**

<b>Skin corrosion/irritation</b>	Causes burns.
<b>Germ cell mutagenicity</b>	No mutagenic effects reported.
<b>Carcinogenicity</b>	No carcinogenic effects reported.
<b>Reproductive toxicity</b>	No observed effect level.

**11.1.4 Toxicological Information**

<b>Sodium carbonate</b>	Inhalation Rat LC50/15min: NDA Oral Rat LD50: 2800 mg/kg Dermal Rabbit LD50: >2000mg/kg	Dermal Rat LD50: NDA Oral Mouse LD50 NDA Dermal Guinea Pig LD50: NDA
<b>Disodium metasilicate</b>	Inhalation Rat LC50/15min: NDA Oral Rat LD50: 847 mg/kg Dermal Rabbit LD50: NDA	Dermal Rat LD50: NDA Oral Mouse LD50 NDA Dermal Guinea Pig LD50: NDA
<b>Alcohols, C10-16, ethoxylated (7-&lt;15 EO)</b>	Acute oral toxicity LD50 : NDA Acute inhalation toxicity Remarks: Expected to be of low toxicity if inhaled. Acute dermal toxicity LD50 : > 2,000 mg/kg	
<b>Sodium alkylbenzenesulphonate</b>	Inhalation Rat LC50/15min: NDA Oral Rat LD50: >2000 mg/kg Dermal Rabbit LD50: NDA	Dermal Rat LD50: NDA Oral Mouse LD50 NDA Dermal Guinea Pig LD50: NDA

**SECTION 12: Ecological information****12.1 Toxicity**

<b>Sodium carbonate</b>	Algae EC50/72h: NDA Fish LC50/96h: 300 mg/l Daphnia LC50/48h: 227 mg/l
<b>Disodium metasilicate</b>	Algae EC50/72h: NDA Guppy LC50/96h: NDA Daphnia LC50/48h: NDA
<b>Alcohols, C10-16, ethoxylated (7-&lt;15 EO)</b>	Algae LC50/72h: >10 - <=100 mg/l Fish LC50/96h: >10 - <=100 mg/l Daphnia EC50/48h: >1 - <=10 mg/l
<b>Sodium alkylbenzenesulphonate</b>	Algae IC50/72h: NDA Fish LC50/96h: NDA Daphnia EC50/48h: NDA

**12.2 Persistence and degradability**

	No data is available on this product.
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**12.3 Bioaccumulative potential**

	No data is available on this product.
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**Partition coefficient**

	No data is available on this product.
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**12.4 Mobility in soil**

	No data is available on this product.
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**12.5 Results of PBT and vPvB assessment**

	Substances that fulfill the criteria for PBT/vPvB, if any, are listed in section 3.
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**12.6 Other adverse effects**

	No other adverse effects known.
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**SECTION 13: Disposal considerations****General information**

	Dispose of in compliance with all local and national regulations.
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**Disposal of packaging**

	Dispose of in compliance with all local and national regulations. Empty containers can be cleaned with water.
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**Further information**

	European Waste Catalogue: 20 01 15 alkalines.
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**SECTION 14: Transport information****Hazard pictograms**

	
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**14.1 UN number**

	UN3253
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**14.2 UN proper shipping name**

	DISODIUM TRIOXOSILICATE
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**14.3 Transport hazard class(es)**

ADR/RID	8
Subsidiary risk	-
IMDG	8
Subsidiary risk	-
IATA	8
Subsidiary risk	-

**14.4 Packing group**

Packing group	III
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**14.5 Environmental hazards**

Environmental hazards	No
Marine pollutant	No

**ADR/RID**

Hazard ID	80
Tunnel Category	E

**IMDG**

EmS Code	F-A-S-B
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**IATA**

Packing Instruction (Cargo)	864
Maximum quantity	100kg
Packing Instruction (Passenger)	860
Maximum quantity	25kg

**SECTION 15: Regulatory information**

**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

	<p>EU regulations:</p> <ul style="list-style-type: none"><li>• Regulation(EC)No.1907/2006 - REACH</li><li>• Regulation(EC)No1272/2008 - CLP</li><li>• Regulation(EC)No.648/2004 - Detergents regulation</li></ul> <p>Ingredients according to EC Detergents Regulation 648/2004 Less than 5%: Anionic surfactants, Non ionic surfactants</p>
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**15.2 Chemical safety assessment**

	A chemical safety assessment has not been carried out on the mixture.
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**SECTION 16: Other information****Other information**

<b>Revision</b>	This document differs from the previous version in the following areas:
<b>Acronyms</b>	Changes to sections NEW LC: Lethal concentration. LD: Lethal dose. NDA - No data available. NOAEC: No observed adverse effect concentration. NOAEL: No observed adverse effect level. NOEC: No observed effect concentration. NOEL: No observed effect level. PBT: Persistent, bioaccumulative and toxic. SVHC. Substance of very high concern. vPvB. Very persistent and very bioaccumulative. *R01 - Polymer REACH number not available.
<b>Text of Hazard Statements in Section 3</b>	Eye Irrit. 2: H319 - Causes serious eye irritation. Skin Corr. 1B: H314 - Causes severe skin burns and eye damage. STOT SE 3: H335 - May cause respiratory irritation. Acute Tox. 4: H302 - Harmful if swallowed. Eye Dam. 1: H318 - Causes serious eye damage. Skin Irrit. 2: H315 - Causes skin irritation. Asp. Tox. 1: H304 - May be fatal if swallowed and enters airways.

**Further information**

	<p>The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. 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 other process.</p> <p>Internal ref: F000027</p>
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