



Safety Data Sheet

Dishwash powder

revision date: 02/03/2016 revision issue: 10

SECTION1: identification of the substance/mixture and the company/undertaking

1.1 Product identifier

Product name Dishwash Powder
Product number BB090-10

1.2 Relevant identified use of the substance/mixture and use advised against

identified uses Alkaline Chlorine based powdered detergent for dish and glass washing machines

1.3 Details of the supplier of the safety data sheet

supplier Jangro Limited
 Jangro House
 Worsley Road
 Farnworth
 Bolton
 B14 9LU
 Tel. 0845 458 5223

1.4 Emergency Tel: 01270 502891 (UK transport emergencies only)

SECTION2: Hazards identification

2.1 Classification of the substances or mixture

Classification (EC1272/2008)

Physical hazards not classified
Health hazards skin Corr. 1B-H314 Eye Dam. 1-H318 STOT SE 3-H335
Environmental hazards Aquatic Chronic 2-H411

**classification (67/548/EEC
or 1999/45/EC)** xi;R36/38. R31,R52/53

**label elements
pictogram**



signal word

Danger

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Hazard Statements

H314 Cause severe skin burns and eye damage

H335 May cause respiratory irritation

H411 Toxic to aquatic life with long lasting

Precautionary statements

P102 Keep out of reach of children

P260 Do not breath dust

P271 use only outdoors or in well-ventilated area

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

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

P304+P340+P340 IF IN EYES: Rinse cautiously with water for several minutes Remove
contact lenses, if present and easy to do. Continue rinsing

P315 Get immediate medical advice/attention

P403+P233 Store in a well-ventilated place. Keep container tightly closed

P501 Dispose of contents/container in accordance with local regulations

**Supplemental Label
information**

EUH031 Contact with acids liberates toxic gas

Contains

DISODIUM METASILICATE, TROCLOSENE SODIUM, DIHYDRATE

2.3 Other hazards

This product does not contain any substances classified as PBT or vPvb

SECTION 3: Composition of ingredients

3.2 Mixtures

SODIUM CARBONATE	30-60%
cas number: 497-19-8	EC number:207-838-8
Classification	Classification (67/548/EEC or 1999/45/EC)
Eye irrit. 2-H319	Xi;R36

DISODIUM METASILICATE	5-10%
cas number 6834-92-0	EC number 229-912-9
Classification	Classification (67/548/EEC or 199/45/EC)
Skin Corr.1B-H314	C:R34 Xi;R37

Eye Dam. 1-H318
STOT SE 3 H335

TRISODIUM (ORTHO) PHOSPHATE

5-10%

cas number 10101-89-0

classification

skin irrit.2-H315

Eye irrt.2-H319

STOT SE 3-H335

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PENTASODIUM TRIPHOSPHATE

5-10%

cas number: 7758-29-4 EC number 231-838-7

Classification

Classification (67/548/EEC or 1999/45/EC)

Skin irrt. 2-H315

Eye irrt. 2-H319

STOT SE. 3 -H335

TROCLOSENE SODIUM, DIHYDRATE

1-3%

cas number 51580-86-0 EC number 220-767-7

M-factor (acute)=1

M-factor (chronic)=1

Classification

Classification (67/548/EEC or 1999/45/EC)

Acute Tox. 4 - H302

Xn;R22 Xi;RR36/37 R31 N;R50/53

Eye irrt 2 H319

STOT SE 3- H335

Aquatic acute 1 H400

Aquatic Chronic 1- H410

SODIUM SILICATE

1-3%

cas number

Classification

Classification (67/548/EEC or 1999/45/EC)

Skin irrt 2-H315

Xi;R38,R41

Eye dam 1-H318

The full text for all R Phrases and Hazards statements are displayed in section 16

SECTION 4: First aid measures

4.1 Description of first aid measures

Inhalation

Move affected person to fresh air at once. Get medical attention if any discomfort continues

Ingestion

Do not induce vomiting. Give plenty of water to drink. Get medical attention

Skin contact	Wash with plenty of water. Get medical attention promptly if symptoms occur after washing
Eye contact	Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Get medical attention immediately. Continue to rinse
<u>4.2 Most important symptoms and effects, both acute and delayed</u>	
General information	The severity of the symptoms described will vary dependant on the concentration and the length of exposure
Inhalation	irritation of nose, throat and airway
Ingestion	May cause chemical burns in mouth and throat
Skin contact	Burning pain and severe corrosive skin damage. May cause serious chemical burns to the skin
Eye contact	Severe irritation, burning, tearing and blurred vision. Prolonged contact causes serious eye and tissue damage
<u>4.3 indication of any medical attention and special treatment needed</u>	
Note for the doctors	Treat symptomatically

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SECTION 5 firefighting measures

5.1 Extinguishing media

Suitable extinguishing media The product is not flammable. Use fire extinguishing media suitable for surrounding fire

5.2 special hazards arising from the substance or mixture

Specific hazards Thermal decomposition or combustion products may include the following substance: irritating vapour or gases

5.3 Advice for firefighters

Special protective equipment for firefighters Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing

SECTION 6: Accidental release measure

6.1 Personal precautions, protective equipment procedures

Personal precautions Wear protective clothing, gloves, eye and face protection. Avoid inhalation of dust. For personal protection, see Section 8

6.2 Environmental precautions

Environmental precautions This product is dangerous for the environment: spillages or uncontrolled discharges into water course must be reported immediately to the environment agency or other appropriate regulatory body

6.3 methods and material for containment and cleaning

methods for cleaning up Small spillages: Flush away spillage with plenty of water. Large spillages: collect powder using special dust vacuum cleaner with particle filter or carefully sweep into suitable waste

disposal containers and seal securely

6.4 Reference to other sections

Reference to other sections For personal protection, see section 8

SECTION 7: Handling and storage

7.1 precautions for safe handling

Usage precautions Wear protective clothing, Gloves, eye and face protection. Avoid inhalation of dust. Never add water directly to this product as it may cause a vigorous reaction or boiling. Always dilute

by carefully pouring the product into water. Do not mix with other chemical

7.2 Conditions for safe storage, including any incompatibles

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

7.3 Specific use

specific use(s) The identified uses for this product are detailed in section 1.2

Usage description see product information sheet and label for directions of use

SECTION 8: exposure controls/personal protection

8.1 control parameters

occupational exposure limits

SODIUM CARBONATE

Long term exposure limit (8-hour TWA): WEL 5mg/m³

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8.2 Exposure controls

Protective equipment Gloves, Eye/face protection

Appropriate engineering controls Use mechanical ventilation if there is a risk of handling causing formation of airborne dust

Eye/ face protection The following protection should be worn: Chemical splash goggles or face shield

Hand protection Wear protective gloves. (Household rubber gloves)

Other skin and body protection Wear appropriate clothing to prevent any possibility of skin contact

Respiratory protection Respiratory protection not required

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance Granules Powder

Colour White

Odour Characteristic

pH pH (diluted solution): 10.5-11.5@1%

Melting point Not applicable

Initial boiling point Not applicable

Flash point	Not applicable
Relative density	Not applicable
Solubility	Soluble in water
<u>9.2 Other information</u>	
Other information	None

SECTION 10: Stability and reactivity

10.1 Reactivity

Reactivity Reacts violently with strong acids. The product will harden into a solid mass in contact with water and moisture

10.2 Chemical stability

stability No particular stability concerns

10.3 Possibility of hazardous reaction

Possibility of hazardous reaction see section 10.1, 10.4 & 10.5

10.4 conditions to avoid

Conditions to avoid Avoid exposure to high temperatures or direct sunlight. The product will harden into a solid mass in contact with water and moisture

10.5 incompatible materials

Materials to avoid Strong acids. Aluminium, Tin, Zinc and their alloys

10.6 Hazardous decomposition products

Hazardous decomposition products Toxic chlorine gas can be released if heated

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Toxicological effects We have not carried out any animal testing for this product. Any ATE figures quoted below are from toxicity classification that have been carried out using ATE (Acute Toxicity Estimate) Calculation Method using LD50 or ATE figures provided by the raw material manufacturer

Other health effects Low oral toxicity, but ingestion may cause irritation of the gastro-intestinal tract

Acute toxicity- oral

notes (oral LD50)

Based on available data the classification criteria are not met

ATE oral (MG/KG)

29,400.00

SECTION 12: Ecological information

Ecotoxicity

Toxic to aquatic life with long lasting effects

12.1 Toxicity

Toxicity

We have not carried out any aquatic testing, therefore we have no Aquatic Toxicity data specifically for this product. The aquatic toxicity data, where provided by the raw material manufacturer for ingredients with aquatic toxicity, can be made available on request

12.2 Persistence and degradability

Persistence and degradability Rapidly degrades to sodium chloride by chemical reaction with organic matter in effluent

12.3 Bio accumulative potential

Bio accumulative potential The product does not contain any substance expected to be bio accumulating

12.4 Mobility in soil

Mobility Not known

12.5 Results of PBT or vPvB assessment

Results This product does not contain any substances classified as PBT or vPvB

12.6 Other adverse effects

Other adverse effects Not known

SECTION 13: Disposal consideration

13.1 Waste treatment methods

Disposal methods Discharge used solution to drain. Small amounts (less than 5l) of unwanted product may be flushed with water to sewer. Larger volumes must be sent for disposal as special waste. Rinse out empty container with water and consign to normal waste

SECTION 14: TRANSPORT INFORMATION

14.1 UN Number

UN No. (ADR/RID) 3262

UN No. (MDG) 3262

UN No. (ICAO) 3262

14.2 UN proper shipping name

Proper shipping name (ADR/RID) CORROSIVE SOLID, BASIC, INORGANIC, N.O.S (Disodium trioxosilicate and troclosen sodium, dihydrate)

Proper shipping name (IMDG) CORROSIVE SOLID, BASIC, INORGANIC, N.O.S (Disodium trioxosilicate and troclosen sodium, dihydrate)

Proper shipping name (ICAO) CORROSIVE SOLID, BASIC, INORGANIC, N.O.S (Disodium trioxosilicate and troclosen sodium, dihydrate)

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Proper shipping name (ADN) CORROSIVE SOLID, BASIC, INORGANIC, N.O.S (Disodium trioxosilicate and troclosen sodium, dihydrate)

14.3 Transport hazards class(es)

ADR/RID class class8: corrosive substance

ADR/RID label 8

IMDG CLASS class8: corrosive substance

ICAO class/division class8: corrosive substance

14.4 packaging group

ADR/RID packaging group II

IMDG Packing group II

ICAO packing group II
14.5 Environmental hazards
Environmentally hazardous substance/marine pollutant

no

14.6 special precautions for user

Ems F-A,S-B

Tunnel restriction (E)

14.7 Transport in bulk according to Annex I of MARPOL and the IBC code

Transport in bulk Not relevant for a packaged product

according to ANNEX II of

MARPOL 73/78 and the IBC code

SECTION 15: Regulatory information

15.1 safety, health and environmental regulations/legislation specific for substance or mixture

EU legislation Material safety data sheet prepared in accordance with REACH commission Regulation (EU) No 2015/830 (which amends regulation (EC) No453/2010 & 1907/2006)
The product is as classified under GHS/CLP- regulation (EC) No1272/2008 classification labelling & packaging of substance & mixture
Ingredients are listed with classification under both CHIP-directive 67/548/EEC classification, packaging & labelling of dangerous substances GHS/CLP regulations (EC) No1272/2008 classification, labelling & packaging of substances & mixtures

15.2 chemical safety assessment

No chemical safety assessment has been carried out as this product is a mixture

SECTION 16 Other information

Key literature references and source for data Material safety data, miscellaneous manufacturers. CLP class-table 3.1 list of harmonised classification and labelling of hazardous substances. CHIP class- Table 3.2 The list of harmonised classification and labelling of hazardous substances from Annex I to directive 67/548/EEC. ECHA-C&L inventory database

Revision comments Transport Regulations changed (changes made to section 14 & 16)

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SDS status The Risk phases/hazard statements listed below in this section No 16 relate to the Raw Materials (ingredients) in the product (as listed in section 3) and not the product itself for the risk phases/hazard statements relating to this product see section 2

Risk phrases in full R22 Harmful if swallowed
R31 Contact with acids liberates toxic gases

R34 Causes burns
R36 Irritating to eyes
R36/37 Irritating to eyes and respiratory system
R36/38 Irritating to eyes and skin
R37 Irritating to respiratory system
R50/53 Very toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment
R52/53 harmful to aquatic organisms, may cause long term adverse effects in the aquatic environment

Hazards statements in full H302 Harmful if swallowed
H314 Causes severe skin burns and eye damage
H315 Causes skin irritation
H318 Causes serious eye damage
H319 Causes serious eye irritation
H335 May cause respiratory irritation
H400 Very toxic to aquatic life
H410 Very toxic to aquatic life with long lasting effects
H411 Toxic to aquatic life with long lasting effects