

**HEALTH & SAFETY SHEET
DISHWASHER POWDER DELUXE**

1. Identification of Substance or Preparation Product Code: XDWP

Product Name: **DISHWASHER POWDER DELUXE**

Company Name: **Bio-Productions Ltd. Inc. Stapro**
 72 Victoria Road, Burgess Hill, West Sussex, RH15 9LZ
 Tel No: 01444 244000 / Fax No: 01444 244999
 E-mail: technical@bio-productions.com

EMERGENCY CONTACT NUMBER 01444 244000 – OFFICE HOURS ONLY

2. Hazards Identification

Corrosive

3. Composition / Information on Ingredients

Hazardous Ingredient(s):	CAS NO:	%w/w:	Symbol:	R Phrases
Sodium metasilicate	6834-92-0	25-50	C	R34, R37
Sodium hydroxide	1310-73-2	2.5-10	C	R35
Sodium didhloroisocyanurate dihydrate	51580-86-0	<2.5	Xn,N	R22,R31,R36/37,R50/53
Non Hazardous ingredients				
Sodium chloride	7647-14-5	2.5-10		
Sodium tripolyphosphate	7758-29-4	25-50		

4. First Aid Measures (Symptoms)

Inhalation	Under normal use should not present a problem, but may cause irritation to upper respiratory tract
Skin Contact	Under normal use should not present a problem, but may cause irritation or burning sensation on contact with skin
Eye Contact	Under normal use should not present a problem, but may cause irritation or, in some cases, severe pain
Ingestion	Under normal use should not present a problem, but may cause irritation, or in rare cases, burns to the mouth, throat and digestive tract

4. First Aid Measures (Actions)

Inhalation:	In the event of emitted Chlorine gas, remove from source of exposure to fresh air. Keep warm and at rest. In the event of respiratory failure, apply artificial respiration. Obtain urgent medical attention.
Skin Contact:	Immediately remove all contaminated clothing. Wash skin with water for 15 minutes. In case of irritation or burns, seek medical attention.
Eye Contact:	Irrigate thoroughly with plenty of water for 10-15 minutes. Obtain prompt medical attention.
Ingestion:	If taken orally may cause internal damage. Do not give anything by mouth to an unconscious person. Wash out with water and give copious amounts of water to drink. Do not induce vomiting. Obtain immediate medical advice.
Additional Information:	Always launder contaminated clothing before re-use

5. Fire Fighting Methods

Extinguishing	Non combustible
Media:	Water spray to keep cool
Fire Fighting Protective:	Full protective equipment including self-contained respiratory protection

6. Accidental Release Measures

Caution:	Spillages will prove slippery when wet. Wear appropriate protective clothing Absorb large spillage with sand or absorbent Transfer to a container for disposal Dispose of under Local Authority Guidelines Small spillages flush away with water Avoid washings entering water courses
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7. Handling & Storage

Handling:	Avoid contact with skin and eyes. Good ventilation is needed if dust is created
Storage:	Keep in original containers Keep tightly closed when not in use Do not store below 5 ^o C degrees or above 30 ^o C degrees

8. Exposure Controls / Personal Protection

Hazardous Ingredient(s)	LTEL (8Hr TWA)		STEL (15 mins)	
	ppm	mg m ⁻³	ppm	mg m ⁻³
Sodium hydroxide				2
Respiratory Protection:	Wear suitable mask			
Hand Protection :	Wear suitable gloves (rubber) aggressive to skin			
Eye Protection:	Wear goggles			
Skin Protection:	Handle powder carefully to avoid causing dust Do not mix with other chemicals			

9. Physical & Chemical Properties

Form:	Granular powder	Colour:	White
Odour:	Characteristic	pH (Value)	13 in 1% solution
Boiling Point	Not Applicable	Melting Point	Not Available
Flash Point:	Not Flammable	Flammable Limits	Not Flammable
Auto Ignition Temp.	Not Applicable	Oxidising Props.	Not Applicable
Vapour Pressures	Not Available	Density (g/ml)	900-1000/kg/cu meter
Solubility (water)	Soluble	Solubility (other)	Not Applicable
Partition Coefficient	Not Available	Pour Point (Deg C)	Not Applicable
Viscosity	Not Available		

10. Stability & Reactivity

Conditions to Avoid	Stable under normal handling and conditions . avoid moisture
Materials to Avoid	Do not mix with other chemicals, particularly acids as Chlorine gas could be emitted
Hazardous Reactions	Produces Chlorine gas, (see First Aid Measures Section 4)

11. Toxicological Information

Inhalation	Chlorine gas may cause corrosion of mucus membranes
Skin Contact	May cause mild aggression with prolonged contact
Eye Contact	On contact will cause irritation. Alkaline powder can cause permanent eye damage
Ingestion	Under normal use should not present a problem Internal damage may result if taken orally

12. Ecological Information

Fish toxicity	Harmful to aquatic organisms due to high pH. May also cause damage to soil structure Do not release into surface waters
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13. Disposal Considerations

Do not discharge into drains or watercourses
Dispose of under Local Authority Guidelines

14. Transport Information

UN No: 1759	IMDG:	CAO / IATA:	ADR:
Proper Shipping Name: Corrosive solid, mixture		Marine Pollutant: No	

15. Regulatory Information

Hazardous Ingredients(s):	EEC Classification: Corrosive
Hazard Symbol: C	Risk Phrases: R35 Causes severe burns, R52/53 harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Safety Phrases: S2 Keep out of reach of children, S8 Keep container dry, S22Do not breathe dust, S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice, S27 Take off immediately all contaminated clothing, S37/39 Wear suitable gloves and eye/face protection, S24/25 Avoid contact with skin and eyes, S28 After contact with skin, wash immediately with plenty of water, S41 In case of fire and/or explosion do not breathe fumes, S46 If swallowed, do not induce vomiting, seek medical advice and show this container or label	

16. Other Information

For use in automatic dishwashing machines

The information in this Safety Data Sheet is based upon knowledge available at the time of compilation. It is intended to describe the product only in terms of Health & Safety requirements. It does not signify any warranty with regard to specific properties or specifications.