

HEALTH & SAFETY SHEET

LIQUID DESCALER

1. Identification of Substance or Preparation Product Code: XDL

Product Name: **LIQUID DESCALER**

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

2. Composition / Information on Ingredients

Hazardous Ingredient(s):	CAS NO:	%w/w:	Symbol:	RPhrase
C9-11 alcohol ethoxylate	68439-46-3	<2.5	Xn	R22,R41
Phosphoric acid	7664-38-2	10-25	C	R34

Non Hazardous Ingredients:
Monomethyl ethers of dipropylene glycol **34590-94-8** **<2.5**

3. Hazards Identification

Irritant: **Irritating to eyes & skin**

4. First Aid Measures (Symptoms)

Inhalation	Mist may cause irritation
Skin Contact	May cause irritation
Eye Contact	May cause irritation
Ingestion	May cause irritation to the mouth, throat and digestive tract

Additional Information

4. First Aid Measures (Actions)

Inhalation:	Remove from exposure. Keep warm and at rest. Obtain medical attention if ill effects occur
Skin Contact:	Immediately remove all contaminated clothing. Wash skin with water followed by 1% Sodium Bicarbonate solution. In case of irritation or burns Seek medical attention
Eye Contact:	Rinse immediately with plenty of water for 10 – 15 minutes. Obtain medical attention if irritation persists
Ingestion:	Do not give anything by mouth to an unconscious person. Wash out mouth with water and give copious amounts of water or milk of magnesia to drink to drink. Do not induce vomiting. Obtain urgent medical attention

Additional Information: Always launder contaminated clothing before re-use.

5. Fire Fighting Methods

Extinguishing	
Media:	Water spray, foam, dry powder, or CO ₂
Fire Fighting	
Protective:	Full protective equipment including suitable respiratory protection

6. Accidental Release Measures

Caution: Spillages will prove slippery
Neutralise with Sodium carbonate or bicarbonate & water to form slurry
Transfer to a plastic container for disposal
Dispose of under Local Authority Guidelines
Avoid washings entering water courses

7. Handling & Storage

Handling:	Avoid skin & eye contact
Storage:	Keep in original labelled containers Keep tightly closed when not in use Store away from bleach and other proprietary cleaning fluids Store away from oxidising methods Do not store below 5°C or above 30°

8. Exposure Controls / Personal Protection

Hazardous Ingredient(s)	LTEL (8Hr TWA) ppm mg m – 3	STEL (15 mins) ppm mg m – 3 2
Phosphoric acid		

Respiratory Protection:

Hand Protection: Wear suitable gloves(rubber)

Eye Protection: Wear goggles

Skin Protection: Wear suitable overalls

9. Physical & Chemical Properties

Form:	Liquid	Colour:	Green
Odour:	Acidic	pH (Value)	1 approx
Boiling Point	Not available	Melting Point	<0°C
Flash Point:	Not Applicable	Flammable Limits	Not Available
Auto Ignition Temp.	Not Available	Oxidising Props.	Not Available
Vapour Pressures	Not Available	Density (g/ml)	1.090 approx
Solubility (water)	Soluble	Solubility (other)	Not Applicable
Partition Coefficient	Not Available	Pour Point (Deg C)	0°C
Viscosity	Not Available		

10. Stability & Reactivity

Conditions to Avoid Extremes of temperature

Materials to Avoid Hypochlorites, bleaching or chlorine release agents.

Hazardous Reactions Toxic gas

11. Toxicological Information

Inhalation May cause irritation to the nose and upper respiratory tract. Under normal use should not present a hazard.

Skin Contact Acidic attack can cause burns and damage to skin. Although under normal use should not present a hazard.

Eye Contact Liquid splashes will cause painful burning of the eye.

Ingestion Will cause severe burning of the mouth, throat and digestive tract

12. Ecological Information

Biodegradable Harmful to aquatic organisms due to low PH

13. Disposal Considerations

Acid substance. Dispose of in accordance with Local Authority Guidelines and Regulations

14. Transport Information

UN No:	IMDG:	CAO / IATA:	ADR:
Proper Shipping Name:		Marine Pollutant:	

15. Regulatory Information

Hazardous Ingredients(s): **Phosphoric acid** EEC Classification: **Irritant**

Hazard Symbol: **Xi**

Risk Phrases: **R36/38**

Safety Phrases: **S2 Keep out of the reach of children, S24/25 Avoid contact with skin & eyes, S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice, S46 If swallowed, seek medical advice immediately and show this container or label, S50 do not mix with chlorine release agents.**

16. Other Information

For removal of scale.

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.