



SAFETY DATA SHEET HYDROPOWER

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

PRODUCT NAME HYDROPOWER

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2 HAZARDS IDENTIFICATION

Irritating to respiratory system. Causes burns.

CLASSIFICATION C;R34. Xi;R37.

3 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content	Classification
ALCOHOL ETHOXYLATE C9-11 MOLE EO 6-8 moles		68439-46-3	1-5%	
BISMARCK BROWN DYE			1-5%	Xi;R36.
HYDROCHLORIC ACID ...%	231-595-7	7647-01-0	10-30%	C;R34 Xi;R37
PHOSPHORIC ACID 85.5%	231-633-2	7664-38-2	10-30%	C;R34

The Full Text for all R-Phrases are Displayed in Section 16

4 FIRST-AID MEASURES

INHALATION

Irritating to respiratory system. Move the exposed person to fresh air at once. Get medical attention.

INGESTION

Harmful if swallowed. DO NOT INDUCE VOMITING! Immediately rinse mouth and drink plenty of water (200-300 ml). Get medical attention if any discomfort continues.

SKIN CONTACT

Irritating to skin. Remove contaminated clothing. Wash the skin immediately with soap and water. Rinse with water. Contact physician if discomfort continues.

EYE CONTACT

Irritating to eyes. Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart. Rinse with water. Contact physician if discomfort continues.

5 FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA

Use fire-extinguishing media appropriate for surrounding materials.

UNUSUAL FIRE & EXPLOSION HAZARDS

Burning produces irritating, toxic and obnoxious fumes.

PROTECTIVE MEASURES IN FIRE

Self contained breathing apparatus and full protective clothing must be worn in case of fire.

6 ACCIDENTAL RELEASE MEASURES

HYDROPOWER

PERSONAL PRECAUTIONS

Wear protective clothing as described in Section 8 of this safety data sheet. Ensure adequate ventilation of the working area.

ENVIRONMENTAL PRECAUTIONS

Avoid discharge into drains.

SPILL CLEAN UP METHODS

Clean and wipe away spillages area thoroughly with plenty of water. Transfer to suitable, labelled containers for disposal.

7 HANDLING AND STORAGE

USAGE PRECAUTIONS

Avoid contact with skin and eyes. Ensure adequate ventilation of the working area.

STORAGE PRECAUTIONS

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

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Name	Std	TWA - 8 hrs		STEL - 15 min		Notes
HYDROCHLORIC ACID ...%	WEL	1 ppm	2 mg/m ³	5 ppm	8 mg/m ³	
PHOSPHORIC ACID 85.5%	WEL		1 mg/m ³		2 mg/m ³	

WEL = Workplace Exposure Limit.

ENGINEERING MEASURES

Provide adequate ventilation.

RESPIRATORY EQUIPMENT

Use respiratory equipment with particle filter, type P3.

HAND PROTECTION

Use suitable protective gloves if risk of skin contact.

EYE PROTECTION

Wear approved safety goggles.

9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Liquid		
COLOUR	Brown		
ODOUR	Pungent		
SOLUBILITY	Soluble in water		
BOILING POINT (°C)	100	FLASH POINT (°C)	100

10 STABILITY AND REACTIVITY

STABILITY

Stable under normal temperature conditions.

MATERIALS TO AVOID

Acids, oxidising. Oxidising agents

11 TOXICOLOGICAL INFORMATION

INHALATION

Vapours irritate the respiratory system, and may cause coughing and difficulties in breathing.

INGESTION

Ingestion may cause severe irritation of the mouth, the oesophagus and the gastrointestinal tract.

SKIN CONTACT

Causes burns.

EYE CONTACT

Causes burns.

HYDROPOWER

12 ECOLOGICAL INFORMATION

ECOTOXICITY

The product is toxic to aquatic organisms.

MOBILITY

Readily soluble in water.

DEGRADABILITY

Degradable.

13 DISPOSAL CONSIDERATIONS

GENERAL INFORMATION

Waste to be treated as controlled waste. Disposal to licensed waste disposal site in accordance with local Waste Disposal Authority.

14 TRANSPORT INFORMATION

UK ROAD CLASS	8		
PROPER SHIPPING NAME	CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S.(contains Hydrochloric acid)		
UN NO. ROAD	3264	UK ROAD PACK GR.	III
ADR CLASS NO.	8	ADR CLASS	Class 8: Corrosive substances.
ADR PACK GROUP	III	TUNNEL RESTRICTION CODE	(E)
HAZARD No. (ADR)	80	ADR LABEL NO.	8
HAZCHEM CODE	2X	CEFIC TEC(R) NO.	80GC1-II+III
RID CLASS NO.	8	RID PACK GROUP	III
UN NO. SEA	3264	IMDG CLASS	8
IMDG PACK GR.	III	EMS	F-A, S-B
UN NO. AIR	3264	AIR CLASS	8
AIR PACK GR.	III		

15 REGULATORY INFORMATION

LABELLING



Corrosive

CONTAINS

HYDROCHLORIC ACID 15.96%

PHOSPHORIC ACID 85.5%

RISK PHRASES

R34 Causes burns.
R37 Irritating to respiratory system.

SAFETY PHRASES

S24/25 Avoid contact with skin and eyes.
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.
S45 In case of accident or if you feel unwell, seek medical advice immediately (show label where possible).
S51 Use only in well-ventilated areas.
S60 This material and its container must be disposed of as hazardous waste.

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16 OTHER INFORMATION

REVISION DATE 16/03/2009

REV. NO./REPL. SDS GENERATED 1

SDS NO. 10265

RISK PHRASES IN FULL

R22	Harmful if swallowed.
R34	Causes burns.
R36	Irritating to eyes.
R37	Irritating to respiratory system.
R41	Risk of serious damage to eyes.

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.