

THE FRESH iD COMPANY

t. 031 700 1800 c. 083 266 8099 w. www.freshid.co.za e. richard@freshid.co.za

MATERIAL SAFETY DATA SHEET

No.1 | Date Issued: 10/04/2013

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION			
PRODUCT NAME:		H4	
DESCRIPTION:		Toilet bowl cleaner	
MANUFACTURER / SUPPLIER:		Fresh iD (Pty) Ltd 10 Suzuka Road Westmead Pinetown KZN PO Box 1049, Hillcrest, 3650	
TELEPHONE:		031 700 1800	
FACSIMILE:		031 700 1800	
EMERGENCY SPECIALIST ADVICE:		083 266 8099	
SECTION 2: COMPOSITION / INFORMATION ON INGREDIENTS			
CHEMICAL PREPARATION:			
CHEMICAL NATURE:		Dark red acidic liquid	
COMPONENTS CONTRIBUTING TO THE HAZARD:		Phosphoric acid 85% ind. Grade	
CHEMICAL OR GENERIC NAME OF COMPONENTS:		Phosphoric acid	
IMPURITIES CONTRIBUTING TO THE HAZARD:		None known	
CLASSIFICATION AND HAZARD LABELING:		Corrosive label 8	
CONCENTRATION OR CONCENTRATION RANGE:			
COMPONENT:	*CONCENTRATING RANGE:	MAJOR HAZARD:	R-PHRASES:
PHOSPHORIC ACID	High	Sever Irritant	R21/22, 34, 41
*VHIGH > 60%, HIGH 30 – 60%, MED 10 – 29%, LOW 1 – 9%, VLOW <1%			

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Material Safety Data Sheet – H4
Page 1 of 7

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SECTION 3: HAZARD IDENTIFICATION

(Summary of most important hazards)

HAZARD CATEGORY:	Corrosive 8
ADVERSE HUMAN HEALTH EFFECTS:	Sever irritant to eyes, skin and if ingested.
ENVIRONMENTAL EFFECTS:	Corrosive to animal and vegetable tissue.
PHYSICAL HAZARDS:	Handle open container with great care.
CHEMICAL HAZARDS:	Not explosive or flammable.

SECTION 4: FIRST AID MEASURES

ACTION TO BE AVOIDED AT ALL COSTS:	Do not induce vomiting.
INHALATION:	May cause irritation and damage to the respiratory tract.
SKIN CONTACT:	Remove contaminated clothing, wash skin well with large volumes of water. Then rinse with a dilute solution of Sodium Bicarbonate. Obtain medical assistance.
EYE CONTACT:	Act quickly. Keep eyes open and flush with clean water for 30 minutes. Obtain medical assistance urgently.
INGESTION:	Give ± 300 ml of clean water to drink to dilute material in stomach. Obtain medical attention urgently.
BRIEF DESCRIPTION OF SYMPTOMS:	Irritated and inflamed area of body contact.
PROTECTION OF FIRST AIDERS:	Wear PVC gloves and eye protection when handling contaminated clothing.
NOTES TO THE PHYSICIAN:	Treat symptomatically as for Phosphoric Acid.

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SECTION 5: FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA:	Non flammable
INAPPROPRIATE EXTINGUISHING MEDIA:	Not applicable
SPECIFIC HAZARD:	None
SPECIAL METHODS OF FIRE FIGHTING:	Not applicable.

SECTION 6: ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS:	Wear protective clothing and equipment to prevent skin, eye contact and ingestion.
ENVIRONMENTAL PRECAUTIONS:	Do not allow product to enter soil, ground and waterways. Toxic to aquatic life.
METHODS FOR CLEANING UP RECOVERY:	Mechanically or liquid binding material i.e. sand.
NEUTRALISATION AND DISPOSAL OF:	Apply a strong solution of Sodium Bicarbonate and remove to waste disposal area.

SECTION 7: HANDLING AND STORAGE

HANDLING:	
PREVENTION OF USER EXPOSURE:	Do not ingest, avoid eye contact.
PREVENTION OF FIRE AND EXPLOSION:	Not applicable.
PRECAUTIONS FOR SAFE HANDLING:	Keep away from alkali's and observe the usual precautionary measures for handling chemicals.
SAFE HANDLING ADVICE:	Ensure container is not leaking and properly closed.

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Material Safety Data Sheet – H4
Page 3 of 7

THE FRESH iD COMPANY

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STORAGE:	
STORAGE CONDITIONS:	Keep container tightly closed in a dry secure area away from children.
SEPERATION FROM INCOMPATIBLE PRODUCTS:	Alkali's and food stuff.
SAFE PACKAGING MATERIAL:	Check containers regularly for leakage and possible distension. Material must be stored in accordance with local rules and legislation.
SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION	
CONTROL PARAMETERS:	
LIMIT VALUES:	To be monitored at the work place.
BIOLOGICAL STANDARDS:	Refer to UN and R-Phrase numbers.
MONITORING PROCEDURES:	Keep container closed when not in use.
PERSONAL PROTECTIVE EQUIPMENT:	Refer to attached S-Phrases data.
RESPIRATORY PROTECTION:	The use of an approved N.I.O.S.H./M.S.H.A. respirator is advised if used in abnormal conditions.
HAND PROTECTION:	Wear PVC gloves.
EYE PROTECTION:	Wear goggles or face shield.
SKIN AND BODY PROTECTION:	Wear PVC apron.
SPECIAL PRECAUTIONS:	
PERSONAL HYGIENE MEASURES:	Wash contaminated clothing before storage and re-use.
SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES <i>(All units in SI system)</i>	
PHYSICAL STATE:	
FORM:	Liquid
COLOUR:	Clear dark red.
ODOUR:	Mild acidic.

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Material Safety Data Sheet – H4
Page 4 of 7

THE FRESH iD COMPANY

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pH VALUE:	1.00
BOILING POINT / BOILING RANGE °C:	101°C
CHANGE OF PHYSICAL STATE:	Not ascertained.
DECOMPOSITION TEMPERATURE:	Not ascertained.
FLASH POINT:	Not flammable.
AUTOIGNITION TEMPERATURE:	Not ascertained.
EXPLOSION PROPERTIES:	None
VAPOUR PRESSURE:	Not ascertained.
VAPOUR DENSITY:	Not ascertained.
DENSITY:	Not ascertained.
SOLUBILITY:	Soluble in water.
OCTANOL / WATER PARTITION COEFFICIENT:	Not ascertained.
VISCOSITY AT 20°C:	5.5 mPa.s
SPECIFIC GRAVITY AT 20°C:	1.16
% VOLATILE BY VOLUME:	Not ascertained.

SECTION 10: STABILITY AND REACTIVITY

STABILITY:	Product is stable.
POSSIBLE HAZARDOUS REACTION:	Reacts violently with alkali's.
CONDITIONS TO AVOID:	Do not mix or store with alkali's.
MATERIALS TO AVOID:	Any strong alkali's
HAZARDOUS DECOMPOSITION:	No decomposition if stored and used in accordance with provisions for use.

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Material Safety Data Sheet – H4
Page 5 of 7

THE FRESH iD COMPANY

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SECTION 11: TOXICOLOGICAL INFORMATION

LD 50 test on animals available on certain raw materials in product.

ACUTE TOXICITY:	Product is corrosive to all tissues.
LOCAL EFFECTS:	Severe ulceration and scarring may result.
SENSITIZATION:	Causes severe eye and skin irritation.
CHRONIC TOXICITY:	No data available.
LONG TERM TOXICITY:	No data available.

SPECIAL EFFECTS:

RESULTS OF DATA FROM SCIENTIFIC EXPERIMENTS AND SOURCES OF INFORMATION:	None known.
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SECTION 12: ECOLOGICAL INFORMATION

POSSIBLE ENVIRONMENTAL EFFECTS:	Toxic to aquatic life.
BEHAVIOUR AND FATE:	Soluble in water. Avoid large product spillage from entering waterways.
PERSISTENCE / BIODEGRADABILITY:	No data available.

SECTION 13: DISPOSAL CONSIDERATIONS

DISPOSAL OF CHEMICAL PRODUCT: (WASTE FORM RESIDUES)	According to local rules and legislation.
DISPOSAL OF CONTAMINATED PACKAGING:	Recommended cleaning agent – water.

SECTION 14: TRANSPORT REGULATIONS

FURTHER INFORMATION:	Product is not classified for any mode of transport.
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Material Safety Data Sheet – H4
Page 6 of 7

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SECTION 15: REGULATORY INFORMATION

REGULATIONS SPECIFICALLY APPLICABLE TO THE PRODUCT:	None known
EEC HAZARD CLASSIFICATION RISK PHRASES:	R21/22, 34, 41
SAFETY PHRASES:	S7; S13; S18; S24; S25, S27; S28; S36
NATIONAL LEGISLATION:	Contact local authorities, refer to attached Risk and Safety Phrases Data.
HAZARD AND SAFETY INFORMATION:	Take usual good care.

SECTION 16: ADDITIONAL INFORMATION

(e.g. Special Training or restrictions on the product use) REFER TO PRODUCT DATA SHEET.	This information is based on our current level of knowledge and relates to the product in the state in which is delivered. It is intended to describe our products from the point of view of safety requirements and is not intended to guarantee any particular properties.
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