

# 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: 12/03/2013

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION			
PRODUCT NAME:	K10		
PRODUCT DESCRIPTION:	Crocery Destainer		
MANUFACTURER / SUPPLIER:	Fresh iD (Pty) Ltd 10 Suzuka Road Westmead Pinetown KZN PO Box 1049, Hillcrest, 3650		
TELEPHONE:	031 700 1800		
FACSIMILE:	031 700 1112		
EMERGENCY SPECIALIST ADVICE:	083 266 8099		
SECTION 2: COMPOSITION / INFORMATION ON INGREDIENTS			
CHEMICAL PREPARATION:			
CHEMICAL NATURE:	Blend of surfactants and bleaching agents		
COMPONENTS CONTRIBUTING TO THE HAZARD:	Sodium Perborate		
CHEMICAL OR GENERIC NAME OF COMPONENTS:	Sodium Perborate		
IMPURITIES CONTRIBUTING TO THE HAZARD:	None known		
CLASSIFICATION AND HAZARD LABELLING:	5.1 oxidising agent / XI irritant		
CONCENTRATION OR CONCENTRATION RANGE:			
COMPONENT:	*CONCENTRATION RANGE:	MAJOR HAZARD:	R-PHRASES:
Sodium Perborate	High	Oxidant / irritant	R22, 26, 36, 38
*VHIGH > 60%, HIGH 30-60%, MED 10-29%, LOW 1-9%, VLOW <1%			

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## SECTION 3: HAZARD IDENTIFICATION

(Summary of most important hazards)

HAZARD CATEGORY:	5.1 Oxidising agent / XI irritant (Mild)
ADVERSE HUMAN HEALTH EFFECTS:	Irritating to eyes and skin, if inhaled or swallowed could be harmful.
ENVIRONMENTAL EFFECTS:	None known
PHYSICAL HAZARDS:	Handle open container with care
CHEMICAL HAZARDS:	Not classified as dangerous, goods for transport by rail or road.

## SECTION 4: FIRST AID MEASURES

ACTION TO BE AVOIDED AT ALL COSTS:	Do not induce vomiting.
INHALATION:	Remove patient from exposure.
SKIN CONTACT:	Wash with large quantities of water.
EYE CONTACT:	Keep eyes open and flush with clean water for 15 minutes.
INGESTION:	Rinse mouth with water and give 200 – 300ml of water to drink.
BRIEF DESCRIPTION OF SYMPTOMS:	May cause sensitisation of the skin.
PROTECTION OF FIRST AIDERS:	Avoid inhalation of fumes.
NOTES TO THE PHYSICIAN:	Treat symptomatically as for milk alkali detergent.

## SECTION 5: FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA:	Dry chemical, CO2, halox, water spray or standard foam.
INAPPROPRIATE EXTINGUISHING MEDIA:	Not applicable
SPECIFIC HAZARDS:	None
SPECIAL EQUIPMENT FOR PROTECTION:	Wear self contained breathing apparatus (S.C.B.A.)

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## SECTION 6: ACCIDENTAL RELEASE MEASURES

<b>PERSONAL PRECAUTIONS:</b>	Avoid eye contact. Do not ingest.
<b>ENVIRONMENTAL PRECAUTIONS:</b>	None
<b>METHODS FOR CLEANING UP RECOVERY:</b>	Flush with water.
<b>NEUTRALISATION AND DISPOSAL OF:</b>	No neutralisation required.

## SECTION 7: HANDLING AND STORAGE

### HANDLING:

<b>PREVENTION OF USER EXPOSURE:</b>	Do not ingest, avoid eye and skin contact.
<b>PREVENTION OF FIRE AND EXPLOSION:</b>	Not applicable
<b>PRECAUTIONS FOR SAFE HANDLING:</b>	Observe the usual precautionary measures for handling chemicals.
<b>SAFE HANDLING ADVICE:</b>	Ensure container is not leaking and properly closed.

### STORAGE:

<b>STORAGE CONDITIONS:</b>	Keep container tightly closed in a dry secure area away from children.
<b>SEPARATION FROM INCOMPATIBLE PRODUCTS:</b>	Food stuff and acids.
<b>SAFE PACKAGING MATERIAL:</b>	Check containers regularly for leakage. Material must be stored in accordance with local rules and legislation.

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## 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:	None required in prescribed conditions.
EYE PROTECTION:	Wear goggles in abnormal conditions.
SKIN AND BODY PROTECTION:	None required in prescribed conditions.
SPECIAL PRECAUTIONS:	
PERSONAL HYGIENE MEASURES:	Wash contaminated clothing before storage and re-use.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES *(All units in SI system)*

### PHYSICAL STATE:

FORM:	Powder
COLOUR:	Off white
ODOUR:	Neutral
PH VALUE:	10.00
BOILING POINT / BOILING RANGE °C:	Not applicable
CHANGE OF PHYSICAL STATE:	Not ascertained
DECOMPOSITION TEMPERATURE:	60°C

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<b>FLASH POINT:</b>	Not applicable
<b>AUTOIGNITION TEMPERATURE:</b>	Not applicable
<b>EXPLOSION PROPERTIES:</b>	Oxidant
<b>VAPOUR PRESSURE:</b>	Not applicable
<b>VAPOUR DENSITY:</b>	Not applicable
<b>DENSITY:</b>	1
<b>SOLUBILITY:</b>	Soluble in water
<b>OCTANOL / WATER PARTITION COEFFICIENT:</b>	Not ascertained
<b>VISCOSITY AT 20°C:</b>	Not applicable
<b>SPECIFIC GRAVITY AT 20°C:</b>	Not applicable
<b>% VOLATILE BY VOLUME:</b>	Not ascertained
<b>OTHER:</b>	
<b>SECTION 10: STABILITY AND REACTIVITY</b>	
<b>STABILITY:</b>	Product is stable
<b>POSSIBLE HAZARDOUS REACTIONS:</b>	Oxidant
<b>CONDITIONS TO AVOID:</b>	None
<b>MATERIALS TO AVOID:</b>	Acids, food stuff
<b>HAZARDOUS DECOMPOSITION:</b>	No decomposition if stored and used in accordance with provisions for use.

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## SECTION 11: TOXICOLOGICAL INFORMATION

### LD 50 TEST ON ANIMALS AVAILABLE ON CERTAIN RAW MATERIALS IN PRODUCT

ACUTE TOXICITY:	None known
LOCAL EFFECTS:	Mild irritant
SENSITISATION:	None known
CHRONIC TOXICITY:	None known
LONG TERM TOXICITY:	None
SPECIAL EFFECTS:	None known
RESULTS OF DATA FROM SCIENTIFIC EXPERIMENTS AND SOURCES OF INFORMATION:	Not known

## SECTION 12: ECOLOGICAL INFORMATION

POSSIBLE ENVIRONMENTAL EFFECTS:	No adverse effects
BEHAVIOUR AND FATE:	Soluble in water. Avoid product spillage from entering waterways.
PERSISTENCE / BIODEGRADABILITY:	Biodegradable in water.

## 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.

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## SECTION 14: TRANSPORT REGULATIONS

PROPER SHIPPING NAME:	Oxidising agent
UN CLASSIFICATION NUMBER:	4287
CLASS:	5.1
DANGER GROUP:	Not flammable II
INTERNATIONAL REGULATION CLASSIFICATIONS:	IMDG EmS MFAG ICAO / IATA-DGR
ADDITIONAL REGULATIONS:	None known
PRECAUTIONARY TRANSPORT MEASURES AND CONDITIONS:	As for handling chemicals

## SECTION 15: REGULATORY INFORMATION

REGULATIONS SPECIFICALLY APPLICABLE TO THE PRODUCT:	None known
EEC HAZARD CLASSIFICATION RISK PHRASES:	R22, 25, 36, 37, 38
SAFETY PHRASES:	S25, 26, 28
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 products 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 it 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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