

## MATERIAL SAFETY DATA SHEET (16 Point MSDS)

### HD 23 – HEAVY DUTY POWDERED DRAIN CLEANER

#### Chemical Product And Company Identification

Product Name : **HD 23 – HEAVY DUTY POWDERED DRAIN CLEANER**

**Distributor** : Hygiene Disposables  
**Address** : 1 Bushbuck Close – Unit 2  
Corporate Park – South  
Midrand, 1685  
**Telephone** : 011 - 314 0714  
**Fax** : 086 532 7777 / 011-314 0713  
**Emergency** : 082 579 5219 / 082 964 1515  
(24 Hours)

**Manufacturer** : P.A Dippenaar Investments  
t/a Chemical Techniques  
**Address** : 12 Sophia Street  
West Turffontein, Johannesburg  
South Africa  
**Telephone** : 011 – 680 2516  
**Fax** : 011 – 680 2533  
**Emergency** : 083 406 1374  
**Technical** : 083 297 1617

#### Section 1. Product Identification

Product Name : Heavy Duty Powder Drain Cleaner  
Product Code : HD 23



#### Section 2. Composition & Information on Ingredients

Common Product Description : Powder Caustic Drain Cleaner with Activators & Wetting Agents  
Hazardous Substances : Sodium Hydroxide  
UN Number : 3096 (Corrosive Solid Water Reactive)  
ERG Number : 138

#### Section 3. Hazards Identification

Main Hazard : Corrosive to tissue and mucous membranes  
Flammability : Flammable gases released when in contact with water  
Reproduction Hazard : No Data Available  
Chemical Hazard : Flammable gases released when in contact with water  
Eye Effects (Eyes) : Severe Irritation. Possible permanent damage  
Eye Effects (Skin) : Caustic burns  
Health Effects (Ingestion) : Toxic  
Health Effects (Inhalation) : Not Applicable  
Carcinogenicity : No Data Available  
Mutagenicity : No Data Available  
Neurotoxicity : No Data Available

#### Section 4. First Aid Information

Eyes : Refer to Section 16(a)  
Skin : Wash with water for 15 minutes. Seek medical attention.  
Ingestion : Refer to Section 16(b)  
Inhalation : Remove to fresh air. Seek urgent medical attention.

#### GENERAL NOTES TO THE PHYSICIAN AND / OR MEDICAL OFFICER :

Never give anything by mouth or induce vomiting to an unconscious person. Treatment of exposure should be directed at the control of the symptoms and the clinical condition of the patient. Depending on the risk profile of the product and the patient the symptoms may re-occur and/or change over time. In that event have the patient consult a physician again.

**HYGIENE DISPOSABLES**

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## Section 5. Fire Fighting Measures

Special Hazards	:	Refer to Section 16(c)
Extinguishing Media	:	<b>DO NOT USE WATER!</b> Use extinguishing Media - CO2 or Dry Powder
Fire Fighting Instruction	:	In the event of a fire, wear full protective clothing and an approved self-contained breathing apparatus.

## Section 6. Accidental Release Measures

Personal Precautions	:	Wear protective clothing. Section 8
Environmental Precautions	:	Prevent run-off into sewers or any ground or surface waterway.
METHOD FOR CLEANING UP	:	
Small Quantities	:	Flush away with large amounts of water.
Large Quantities	:	Collect and store in dry plastic container for disposal.

## Section 7. Handling And Storage

Handling Precautions	:	Tightly closed containers in a cool dry area
Storage	:	Store in dry plastic buckets

## Section 8. Exposure Controls / Personal Protection

Occupational Exposure Limits	:	2mg / m3
Engineering Control Measures	:	Local exhaust providing good ventilation
PERSONAL PROTECTION	:	
Respiratory	:	Wear face mask or respirator
Hands	:	Wear rubber gloves
Eyes	:	Wear safety goggles / Face Shield
Skin	:	Overall / plastic apron / Gumboots



## Section 9. Stability And Reactivity

Conditions to Avoid	:	Wetness and Water
Incompatibility with other Products	:	Acids, Oxidising Material and water
Hazardous Decomposition Products	:	Refer to Section 16(c)

## Section 10. Physical And Chemical Properties

Appearance	:	White Free Flowing Powder
Odour	:	Slightly Pine
pH	:	1% Solution. Greater than 13
Boiling Point	:	Not Applicable
Melting Point	:	No Data Available
Flash Point	:	Not Applicable
Flammability	:	Refer to Section 16(c)
Auto-Flammability	:	Not Applicable
Explosive Properties	:	Refer to Section 16(c)
Vapour Pressure	:	No Data Available
Density	:	Not Applicable
Solubility - Water	:	Completely Soluble
Solubility - Solvent	:	Insoluble
Solubility - Co-Efficient	:	No Data Available

These data references are typical for the product and not a specification

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## Section 11. Toxicological Information / Health Effects

Acute Toxicity	:	Refer to Section 16(d)
Skin & Eye Contact	:	Refer to Section 16(d)
Chronic Toxicity	:	Refer to Section 16(d)
Carcinogenicity	:	No Data Available
Mutagenicity	:	No Data Available
Reproductive Hazards	:	No Data Available

## Section 12. Ecological Information

Aquatic Toxicity - Fish	:	Dangerous to aquatic life in high concentrations
Aquatic Toxicity - Daphnia	:	Dangerous to aquatic life in high concentrations
Aquatic Toxicity - Algae	:	Dangerous to aquatic life in high concentrations
Bio-Degradability	:	No Data Available
Bio-Accumulation	:	No Data Available
Mobility	:	No Data Available

## Section 13. Disposal Considerations

*In accordance with Local Regulations. In the event that disposal of material is conducted by a third party please ensure that the service provider is authorized and reputable. Please contact the manufacturer for additional information if required.*

Material Disposal	:	Recover or recycle if possible. It is the responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste classification and disposal methods in compliance with applicable regulations.
Container Disposal	:	Drain container thoroughly. After draining, vent in a safe place away from sparks and fire. Refer to Section 7 before handling the product or containers. Residues may cause an explosion hazard if heated above the flash point. Do not puncture, cut or weld unclean drums. Send to drum recoverer or metal reclaimer.
Local Legislation	:	Disposal should be in accordance with applicable regional, national, and local laws and regulations. Local regulations may be more stringent than regional or national requirements and must be complied with.

## Section 14. Transport Information : Road and Rail Only

### ADR / RID (Road / Rail)

UN Number	:	3096
Class	:	8
Item	:	Not Applicable
ERG Number	:	138

## Section 15. Regulatory Information / EEC Classification

Risk Phases	:	R35 / R8
Safety Phases	:	S2-26-37 / S39 / S16-S41
National Legislation	:	Occupational Health and Safety Act (No. 85 of 1993) Regulation R1449 of 6 September 1996. Government Notice No.17403. Regulations for Hazardous Chemical Substances. SANS 10265. The classification and labelling of dangerous substances and preparations.

## Section 16. Other Information

- a) Flush with running water for 30 minutes holding eyes open. Obtain medical attention.
- b) Do not induce vomiting. If vomiting occurs, lean victim forward with head down. Obtain medical attention.
- c) If product becomes wet it will evolve explosive and flammable Hydrogen Gas. When in contact with Acid or burnign releases Toxic Gas.
- d) Causes severe irritation and burns of mucous membranes and eyes. Will result in permanent damage if not treated immediately. Inhalation of dust will cause burns to respiratory tract causing lung damage. Ingestion may result in death.

**Prepared by: RP Dippenaar**

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**Revised:**

The information contained herein is based on our best current technical knowledge of the product concerned and is given in good faith. The attention of end users is drawn to (amongst other things) the element of risk consequent to the use of the product for purposes other than that for which it was intended. In no way does the document remove the need for the user of this product to fully understand and apply statutory requirements. It is the user's sole responsibility to take due precautions relative to the use made of the product. All the information included herein is intended onto to assist the reader in fulfilling his or her statutory duty connected with the use of hazardous materials. This list of information must not be considered as exhaustive and does not exonerate the reader from taking other precautions described in documents other than those mentioned concerning the storage and use of the product for which he or she remains the sole person responsible.

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