

MATERIAL SAFETY DATA SHEET (16 Point MSDS) HD 105 HYGIENE DESCALER & CLEANER

Chemical Product And Company Identification

Product Name :		HD 105 HYGIENE DESCALER & CLEANER	
Distributor :	Hygiene Disposables	Manufacturer :	P.A Dippenaar Investments t/a Chemical Techniques
Address :	1 Bushbuck Close – Unit 2 Corporate Park – South Midrand, 1685	Address :	12 Sophia Street West Turffontein, Johannesburg South Africa
Telephone :	011 - 314 0714	Telephone :	011 – 680 2516
Fax :	086 532 7777 / 011-314 0713	Fax :	011 – 680 2533
Emergency :	082 579 5219 / 082 964 1515 (24 Hours)	Emergency :	083 406 1374
		Technical :	083 297 1617

Section 1. Product Identification

Product Name :	Hygiene Descaler & Cleaner – Caustic Based Heavy Duty
Product Code :	HD 105
Chemical / Technical Nature :	Heavy duty, water based, concentrated, acidic, fragranced, descaling & degreasing solution for washrooms and general hygiene. Change room deep cleaning applications including sanitary and toilet bowl cleaning.

Section 2. Composition & Information on Ingredients

Ingredients Contributing to Hazard	Content %	R-Symbol	S-Symbol
Non-Ionic Surfactants	> 4	R22	S46
Ethylene Glycol	> 5	R22	S46
Chelating Agents (Softeners)	< 15	R22	S46
Sodium Hydroxide	< 3	R22	S46

For detailed risk and safety phrases see .15 of this MSDS. Please note data are typical of the product and not a specification or a full composition. The risk profile may change if this product is mixed with other compounds or as a blend within other components.

Revision of Hazardous Components based on SABS 0265:1999

Section 3. Hazards Identification

Primary Safety Hazard :	Will cause irritation & burning to eye
Secondary Safety Hazard :	Redness and irritation to sensitive skin on prolonged contact
Additional Info :	Harmful if swallowed

Section 4. First Aid Information

Eyes :	Rinse with water, keep eye lids open. If discomfort does not subside within 30 minutes seek further medical attention if required.
Skin :	Remove contaminated clothing, rinse with water & or wash with soap. Apply cream to dry skin if required.
Ingestion :	Do not induce vomiting, keep person calm & seek medical attention.
Inhalation :	Fresh Air

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.

Section 5. Fire Fighting Measures

Extinguishing Media	:	Use extinguishing Media (Eg: CO2 / Water / Dry Powder) Suitable for surrounding fire
Special Hazards	:	None Known or reported. Water based compound.

Section 6. Accidental Release Measures

Environmental Precautions	:	Do not allow to enter natural waterways
METHOD FOR CLEANING UP	:	Dry Sand. Discharge in accordance with local regulations.
Small Liquid Spills (< 1 Drum)	:	Transfer by mechanical means to a labelled, sealable container for product recovery or safe disposal. Allow residues to evaporate or soak up with an appropriate absorbent material and dispose
Large Liquid Spills (> 1 Drum)	:	Transfer by mechanical means such as vacuum truck to a salvage tank for recovery or safe disposal. Do not flush away residues with water. Retain as contaminated waste. Allow residues to evaporate or soak up with an appropriate absorbent material; and dispose of safely. Remove contaminated soil and dispose of safely.

Section 7. Handling And Storage

Handling Precautions	:	Normal Handling. Store in plastic drums.
Storage	:	Cool storage, well ventilated, avoid high temperature and direct sunlight. Keep away from naked flame. Avoid contact with alkali's.

Section 8. Exposure Controls / Personal Protection

Engineering Control Measures	:	No specific or special measures required. Access to fresh running water in case of skin and / or eye contact.
------------------------------	---	---

PERSONAL PROTECTION

Hands	:	Wear gloves
Eyes	:	Face shield or goggles



Section 9. Stability And Reactivity

Stability	:	Stable under normal cool conditions
Hazardous Decomposition Products	:	None known

Section 10. Physical And Chemical Properties

Appearance	:	Non Viscous Liquid
Colour	:	Amber - Clear
Odour / Smell	:	Concentrated Fresh Rose
Other Characteristics	:	Separation may occur / shake if required
pH as Supplied	:	1.5 - 2.5
pH @ 1% v/water	:	3.5 - 4.5
Boiling Point Range / Degrees C	:	>100°C
Melting Point Range / Degrees C	:	Not Applicable
Viscosity at 20°C / mPa-s	:	Not Applicable
Flash Point / Degrees C	:	Not Applicable
Auto Ignition Temp / Degrees C	:	Not Applicable
Explosion Limits in Air %	:	Not Tested
Vapour Pressure at 20°C	:	Not Tested
Specific Gravity - (SG)	:	1.03 - 1.06
Soluble in Water	:	Yes
Soluble in Other	:	Not Applicable
Other Data / Comments	:	Caution, acidic compound

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

HYGIENE DISPOSABLES

1 Bushbuck Close - Unit 2, Corporate Park - South, Midrand
Tel: +2711 314 0714 • E-mail: sales@hyg.co.za • Web: www.hyg.co.za

Section 11. Toxicological Information / Health Effects

Inhalation	:	None known or reported
Skin Contact	:	Will cause irritation, burning & drying of sensitive skin.
Eye Contact	:	Discomfort, pain and irritation, redness.
Ingestion	:	Discomfort and pain, burning, with the possibility of nausea and vomiting.
Specific Effects	:	Not known or reported.

Section 12. Ecological Information

Biodegradability	:	Contains readily biodegradable ingredients. This product can be successfully bio-remediated.
BioAccumulation	:	Unknown
Eco Toxicity	:	Not Tested

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	:	Not Applicable
Class	:	8
Item	:	Not Applicable
Additional Information	:	Will cause slippery spill.

Section 15. Regulatory Information / EEC Classification

Warning Phrase	Caution	Symbol
Risk Phases	Harmful if Swallowed	R22
	Can cause irritation to eye	R36
	Irritating to skin	R38
Safety Phases	Keep Out of Children Reach	S2
	Keep Container Closed	S7
	When Using: Do Not Eat or Drink	S20
	Avoid Contact with Eyes	S25
	In Case of Contact : Wash Eye with water	S26
	If Swallowed : Seek Medical Advice	S46

Product Contains : Non-Ionic Surfactant
 Additional Information : Personnel using this product must be trained and advised on the best, safest and most effective means of application.

Section 16. Other Information

Personnel using this product must be trained and advised on the best, safest and most effective means of application.

Prepared by: R P Dippenaar

Date of Issue: Not Applicable

Revised: April 2016 3/2016

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.