

MATERIAL SAFETY DATA SHEET
HYDRA-DRI

**SECTION 1. – STATEMENT OF HAZARDOUS NATURE CHEMICAL
PRODUCT AND COMPANY IDENTIFICATION**

This product is classified as:	
1. HAZARDOUS according to criteria of the National Occupational Health and Safety Commission	
CARPET CLEANERS WAREHOUSE UNIT 1 3 Sutherland Street Granville, NSW 2142	EMERGENCY TELEPHONE NUMBER 1 800 68 68 69 (AUSTRALIA)
Substance	
Trade Names/	HYDRA-DRI
Product Use	EXTRACTION CARPET CLEANER
Creation Date	MARCH 22, 2004
Revision Date	MARCH 22, 2007

SECTION 2. – COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENTS	C A S No	PROPORTION
SODIUM METASILICATE PENTAHYDRATE	6834-92-0	LESS THAN 10%
DIPROPYLENE GLYCOL METHYL ETHER	34590-94-8	LESS THAN 5%
PROPYLENE GLYCOL MONOBUTYL ETHER	5131-66-8	LESS THAN 2%
SODIUM CARBONATE	497-19-8	LESS THAN 20%

*ALSO CONTAINS: SODIUM TRIPOLYPHOSPHATE, SURFACTANTS,
CHELATE, DYE AND FRAGRANCE

SECTION 3. – HAZARDOUS IDENTIFICATION

Approved Criteria Classification (Calculated)	IRRITANT R36/38 Safety Phrases: S(1/2), S22, S24/25, S26, S27, S36/37/39
ADG Classification	NONE
SUSDP Classification	NONE
UN Number	NONE

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SECTION 3. – HAZARDOUS IDENTIFICATION (cont.)

EMERGENCY OVERVIEW

Colour	LIGHT BLUE
Physical Description	POWDER
Odour	PLEASANT, MELON-LIKE
Major Health Hazards	EYE IRRITATION, SKIN IRRITATION

POTENTIAL HEALTH EFFECTS

INHALATION

Short term Exposure	NONE
Long term Exposure	Irritation

SKIN CONTACT

Short term Exposure	Slight irritation
Long term Exposure	Severe irritation

EYE CONTACT

Short term Exposure	Moderate irritation
Long term Exposure	Severe irritation

INGESTION

Short term Exposure	Gastrointestinal irritation
Long term Exposure	Gastrointestinal irritation

CARCINOGEN STATUS

NOHSC	Not classified
NTP	None
IARC	None

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SECTION 4. – FIRST AID MEASURES

Scheduled Poisons	None
Inhalation	Remove from exposure immediately. Seek medical attention if symptoms persist.
Skin Contact	Remove contaminated clothing immediately. Wash affected area with soap and water. Wash clothing before reuse. Seek medical attention if required.
Eye Contact	Wash eyes immediately with large amounts of water, occasionally lifting upper and lower lids until no evidence of chemical remains. Seek medical attention if irritation remains. Note to physician: NONE
Ingestion	If vomiting occurs, keep head lower than hips to help prevent aspiration. Seek medical help, if required.

SECTION 5. – FIRE FIGHTING MEASURES

Fire and Explosion Hazards	Fire: Not combustible Explosion: NONE Regular dry chemical, carbon dioxide, water, regular foam.
Extinguishing Media	Large Fires: Use foam or flood with fine water spray. Use extinguishing media appropriate for surrounding fire. Avoid inhalation of combustion by-products.
Flash point	None

SECTION 6. – ACCIDENTAL RELEASE MEASURES

Occupational Release	Wearing proper protection gear sweep up spills and hold in appropriate container for reuse or disposal.
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SECTION 7. – HANDLING AND STORAGE

Storage	Store in cool, dry place. Keep container securely closed when not in use.
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SECTION 8. – EXPOSURE CONTROLS & PERSONAL PROTECTION

Exposure Limits	None Available
Ventilation	Based on available information, additional ventilation is not required.
Eye Protection	Safety glasses or goggles should be worn.
Skin Protection	Wear impervious gloves if necessary to prevent skin contact.
Protective Material Types	Butyl Rubber, Natural latex, Neoprene, PVC and Nitrile are all suitable
Respirator	No respirator is required under normal conditions of use.

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SECTION 9. – PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Powder
Colour	Light Blue
Odour	Pleasant, Melon-like
Boiling Point	Not Applicable
Freezing Point	Not Applicable
Vapour Pressure	Not Applicable
Vapour Density	Not Applicable
Specific Gravity	Not Applicable
Water Solubility	Soluble
Ph	Not Applicable
Volatility	Not Available
Odour Threshold	Not Available
Evaporation Rate	Not Applicable
Coefficient of Water / Oil Distribution	Not Available

SECTION 10. – STABILITY AND REACTIVITY

Reactivity	Stable at normal pressures and temperatures.
Conditions to Avoid	Avoid contact with incompatible materials
Incompatibilities	Strongly acidic materials.
Hazard Decomposition	Thermal decomposition products include oxides of carbon.
Polymerization	Will not polymerize

SECTION 11. – TOXICOLOGICAL INFORMATION

Local Effects	Irritation: skin, eyes, ingestion
Target Organs	Skin

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Classification of Hazardous Ingredients

Ingredients	R Phases
SODIUM METASILICATE (PENTAHYDRATE)	R 36/38
DIPROPYLENE GLYCOL	R 21/22
METHYL ETHER PROPYLENE GLYCOL	R 21/22
MONOBUTYL ETHER SODIUM CARBONATE	R 36/38

Individual Ingredient Information

SODIUM METASILICATE, PENTAHYDRATE

Irritation Data	250 mg/24 hours skin-human severe: 250 mg/24 hour(s) skin-rabbit severe
Toxicity Data	LD-50 oral-rat: Est 2000 mg/kg
Local Effects	Corrosive: Inhalation, skin, eye ingestion
Acute Toxicity Level	Moderate Toxic ingestion
Target Organs	Skin

DIPROPYLENE GLYCOL, METHYL ETHER

Irritation Data	Skin and Eyes: Slight irritant
Toxicity Data	LD-50 rat: 5.4 ml/kg LD-50 rabbit (skin): > 20 ml/kg LC-50 rat head minnow > 10,000 mg/l
Local Effects	Irritant: skin, eyes, ingestion
Acute Toxicity Level	Practically non-toxic

SECTION 12. – ECOLOGICAL INFORMATION

Not Available
No single ingredient (over 1%) recognized as environmental pollutant.

SECTION 13. – DISPOSAL CONSIDERATIONS

Dispose in accordance with all applicable regulations.

SECTION 14. – TRANSPORTATION INFORMATION

ADG Code	None
HAZCHEM Code	None
Special Provision	None
Packaging Group	None
Packaging Method	None

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SECTION 15. – REGULATORY INFORMATION

All ingredients present on AICS

SECTION 16. – OTHER INFORMATION

Labeling	R 36/38	Irritating to eyes and skin
Details	S ½	Keep locked up and out of reach of children
	S 22	Do not breath dust
	S 24/25	Avoid contact with skin, Avoid contact with eyes
	S 26	In case of contact with eyes, rinse immediately with water and seek medical advice
Acronyms	SUSDP	Standard for the Uniform Scheduling of Drugs and Poisons
	ADG Code	Australian Code for the Transport of Dangerous Goods by Road and Rail
	N.O.S.	Not Otherwise Specified
	CAS	Chemical Abstracts Service Registry Number
	UN Number	United Nations Number
	R-Phrases	Risk Phrases
	HAZCHEM Number	An emergency action code of numbers and letters which gives information to emergency services.
	NOHSC	National Occupational Health and Safety Commission
	NTP	National Toxicology Program (USA)
	IARC	International Agency for Research on Cancer
	AICS	Australian Inventory of Chemical Substances