

**TASMAN CHEMICALS**

"Tasman trusted products"

MATERIAL SAFETY DATA SHEET**Deterge HD****SECTION 1 – IDENTIFICATION**

Product Name Deterge HD

Recommended Use Multi purpose heavy duty cleaner

Supplier TASMAN CHEMICALS PTY LTD
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Victoria 3195 AUSTRALIA

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Emergency Telephone Number 1 800 334 556

SECTION 2 – HAZARDS IDENTIFICATION**Hazardous according to criteria of Safe Work Australia.**

Hazard Category : C (Corrosive)

Risk Phrases

R36/37/38 Irritating to eyes, respiratory system and skin

Safety Phrases

S1/2 Keep locked up and out of reach of children
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S28 After contact with skin, wash immediately with plenty of water
S36/37/39 Wear suitable protective clothing/gloves and eye/face protection
S45 In case of accident or if you feel unwell seek medical advice immediately
S64 If swallowed, rinse mouth with water (only if person is conscious)

Deterge HD is classified as **Dangerous Goods Class 8** according to the Australian Code for the Transport of Dangerous Goods by Road and Rail

SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS

<u>Ingredient</u>	<u>CAS Number</u>	<u>Proportion (%m/m)</u>
Water	7732-18-5	VH
Sodium Hydroxide	1310-73-2	L
Xylene	1330-20-7	L
Sodium Metasilicate	6834-92-0	L
VH>60% H>30-60% M=10-30%	L=<10%	

SECTION 4 – FIRST AID MEASURES

Immediate medical attention should be sought and the affected person transferred and accompanied to the care of a doctor or hospital. If patient is conscious give water or milk to drink, do not induce vomiting. Treat unconsciousness by placing the person in the coma position. Apply artificial respiration if breathing stops.

Poisons Information Centre:	Call from anywhere in Australia 13 11 26
Swallowed:	See above. Do not attempt to induce vomiting or give anything by mouth to an unconscious person. Seek medical attention immediately.
Eye:	Flush eye immediately with running water for a minimum of 15 minutes. Seek medical attention promptly; continuing treatment, whilst patient is being transported to medical attention.
Skin:	Immediately remove contaminated clothing. Wash affected contact area with water and if pain or redness persists obtain medical attention. Launder contaminated clothing before re-use.
Inhaled:	Remove promptly to fresh air and seek medical attention immediately.
Notes to doctor:	Treat symptomatically.

SECTION 5 – FIRE FIGHTING MEASURES

Specific Hazards:	Non flammable but when water has evaporated residue is combustible.
Extinguishing Media:	Use water fog or a fine spray.
Hazardous Decomposition products:	None
Hazchem Code:	2X

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Containment Procedures: All personnel involved in the containment and disposal procedures to wear protective equipment as described in section 8 to prevent skin and eye contamination and inhalation of vapours. In the event of a spillage, stop and contain the spill for salvage or absorb with absorbent material, eg. soil, sand or vermiculite, for disposal by an approved method. Prevent runoff into drains and waterways. Wash the cleaned up area with large amounts of water to remove any trace amounts of the product. Ventilate area well and ensure the atmosphere is safe before personnel return to work area. If contamination of waterways has occurred, advise the local emergency services and environmental authorities.

SECTION 7 – HANDLING AND STORAGE

Handling: Use in a well ventilated area. Use a local exhaust to remove mist or vapours. Do not eat, drink or smoke in areas of use or storage. Wash hands before eating, smoking or using the toilet and remove contaminated clothing and protective equipment before entering eating areas.

Storage: Store in tightly closed containers and keep containers closed at all times – check regularly for leaks. Observe State Regulations concerning the storage and handling of Dangerous Goods. Store in a cool environment away from heat

Incompatibilities: Not to be stored with acids, oxidising agents, aluminium, tin, zinc or die cast metals.

SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational Exposure Limits : Occupational Exposure Limits : Threshold Limit Values

Sodium Hydroxide	TWA(peak) 2 mg/m ³
Xylene	TWA 350mg/m ³

Exposure Standards (TWA) is the time-Weighted average airborne concentration over an eight-hour working day, for a five day working week over an entire working life. According to current knowledge this concentration should neither impair the health or, cause undue discomfort to, nearly all workers.

Engineering Controls: Use local exhaust ventilation to remove mist or vapours.

Personal Hygiene: Protective clothing (gloves, coveralls, boots, etc) should be worn to prevent skin contact. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storing and re-using

Eye/Face Protection: Avoid eye contact by wearing chemical goggles with side shields whenever exposed to vapour mist or if there is a risk of splashing liquid in the eyes. Safety showers with eye wash should be provided in all areas where product is handled.

Skin Protection: Avoid skin contact by the use of chemical resistant PVC gloves and aprons.

Respiratory Protection: None should be needed under normal circumstances.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Clear green liquid

pH at 1% solution: 12.5 – 13.5

Vapour Density: Not available

Solubility: All proportions

Flash Point: Non flammable

Odour: Slight smell of xylene

Vapour pressure: Not available

Boiling Point: >100^oC

Specific Gravity: 1.06

SECTION 10 – STABILITY AND REACTIVITY

Chemical Stability: Stable.

Conditions to Avoid: Heat

Incompatible Materials: Will react with acids, oxidising agents, aluminium, tin, zinc and die cast metals

Hazardous Decomposition Products: Will not occur

SECTION 11 – TOXOLOGICAL INFORMATION

Acute Effects:

Inhalation at levels at or exceeding the Occupational Exposure Limits or any deliberate ingestion will lead to harmful health effects.

Swallowed: Accidental swallowing is unlikely in the work setting. Swallowing will cause sore throat, abdominal pain, diarrhea, nausea and vomiting. Severe cases may be fatal as product is CORROSIVE.

Eye: Vapours will irritate the eyes. Liquid and mists will severely irritate the eyes and can cause severe and permanent damage.

Skin: Heavy contact with the skin is liable to cause deep and penetrating burns. Slight contact with the skin may cause irritation and redness.

Inhaled: Vapour is moderately irritating to mucous membranes and respiratory tract. Repeated inhalation will cause headaches (see effects of swallowing above). Deliberate inhalation of the vapour is a known occupational risk.

Chronic: Swallowing or repeated inhalation of droplets in excess of the occupational exposure limits can result in serious health effects and may be fatal. Persons with pre-existing respiratory disorders may be at an increased risk.

SECTION 12 – ECOLOGICAL INFORMATION

Ecotoxicity:	No data available
Persistence and degradability:	No data available Evaluation : Biodegradable
Mobility in Soil:	No data available

SECTION 13 – DISPOSAL CONSIDERATIONS

Suitable for incineration by approved agent under controlled conditions if permitted by local authorities, otherwise disposal must be in accordance with local waste authority requirements. Product must be contained and not disposed to sewerage systems, drains or waterways. Empty containers must be decontaminated by rinsing with water and disposed according to local waste authorities.

SECTION 14 – TRANSPORT INFORMATION

Proper Shipping Name: CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S.
UN Number: 3266 **Class:** 8
Subsidiary Risk: None allocated **Packing Group:** 111
Hazchem Code: 2X
Special Precautions: Not to be stored with acids, oxidising agents, aluminium, tin, zinc or die cast metals.

SECTION 15 – REGULATORY INFORMATION

Classification	Based upon information, classified as hazardous according to criteria of Safe Work Australia
Poisons Schedule	Schedule 5

SECTION 16 – OTHER INFORMATION

Contact Points			
<u>Organisation</u>	<u>Location</u>	<u>Telephone</u>	<u>Ask For</u>
Tasman Chemicals Pty Ltd	Braeside, Victoria, Australia	(03) 9587 6777	Technical Manager
Poisons Information Centre		13 1126	

MSDS are updated frequently. Please ensure that you have a current copy.

This MSDS summarises our best knowledge of the health and safety hazard information of the product; how to safely handle and use the product in the workplace. If clarification or further information is needed to ensure that an appropriate risk assessment can be made, the user should contact Tasman Chemicals Pty Ltd. Our responsibility for products sold are subject to our standard terms and conditions, a copy of which appears on all invoices. It is also available on request. Where health or safety data given discloses a risk to the user or environment, it is the responsibility of the Purchaser to pass on that information to employees or those who may be using the product, ensuring that adequate safety procedures are used including good industrial hygiene.