



SAFETY DATA SHEET

HC25 MDW

Infosafe No.: 7EFDW
ISSUED Date : 29/06/2020
ISSUED by: JASOL AUSTRALIA

CLASSIFIED AS HAZARDOUS

1. Identification

GHS Product Identifier

HC25 MDW

Product Code

2000920

Company name

JASOL AUSTRALIA

Address

41-45 Tarnard Drive Braeside
VIC 3195 AUSTRALIA

Telephone/Fax Number

Tel: 03 95805722

Fax: 03 95809902

Emergency phone number

1800 629 953

Recommended use of the chemical and restrictions on use

Liquid automatic dishwashing detergent

Disclaimer

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The provision of this information should not be construed by anyone as a recommendation to use this product. In particular, no one should use any product in violation of any patent or other intellectual proprietary rights or in breach of any statute or regulation.

Users should rely on their own knowledge and inquiries and make their own determination as to the applicability of this information in relation to their particular purposes and specific circumstances. Each user should read this SDS and consider the information in the context of how the product will be handled and used in the workplace and in conjunction with other substances or products.

2. Hazard Identification

GHS classification of the substance/mixture

Classified as Hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) including Work, Health and Safety Regulations, Australia.

Classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition)

Corrosive to Metals: Category 1

Eye Damage/Irritation: Category 1

Skin Corrosion/Irritation: Category 1A

Signal Word (s)

DANGER

Hazard Statement (s)

H290 May be corrosive to metals.

H314 Causes severe skin burns and eye damage.

Pictogram (s)

Corrosion

**Precautionary statement – Prevention**

P234 Keep only in original container.

P260 Do not breathe dust/fume/gas/mist/vapours/spray.

P264 Wash contaminated skin thoroughly after handling.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

Precautionary statement – Response

P301+P330+P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.

P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310 Immediately call a POISON CENTER or doctor/physician.

P321 Specific treatment (see information on this label).

P363 Wash contaminated clothing before reuse.

P390 Absorb spillage to prevent material damage.

Precautionary statement – Storage

P405 Store locked up.

P406 Store in corrosive resistant/ container with a resistant inner liner.

Precautionary statement – Disposal

P501 Dispose of contents/container to in accordance with local/regional/national/international regulations..

3. Composition/information on ingredients

Ingredients

Name	CAS	Proportion
Sodium hydroxide	1310-73-2	10-20 %
Ingredients determined not to be hazardous		Balance

4. First-aid measures

Inhalation

If inhaled, remove affected person from contaminated area and keep at rest in a position comfortable for breathing. Seek medical attention. Apply artificial respiration if NOT breathing and immediately seek medical attention.

Ingestion

Do NOT induce vomiting. Wash/rinse out mouth thoroughly with water. Call a poisons information centre or doctor and seek immediate medical attention.

Skin

If on skin (or hair) remove/take off all contaminated clothing immediately. Wash/rinse skin gently and thoroughly with water/shower and non-abrasive soap for 15 minutes after handling. Ensure contaminated clothing is washed before re-use or discard. Seek immediate medical attention.

Eye contact

If in eyes, hold eyelids apart and flush the eyes continuously with running water. Remove contact lenses, if present and easy to do. Continue flushing until advised to stop by the Poisons Information Centre or a doctor, or for at least 15 minutes. Seek immediate medical attention.

First Aid Facilities

Eyewash, safety shower and normal washroom facilities.

Advice to Doctor

Treat symptomatically.

Product is a sodium hydroxide solution. Treat symptomatically. Material is strongly alkaline and corrosive. Can cause corneal burns. Aspiration of vomitus may cause lung injury.

Other Information

For advice in emergencies contact:

Poisons Information Centre (Australia): 131 126

National Poisons Centre (New Zealand): 0800 764 766

5. Fire-fighting measures

Suitable Extinguishing Media

Use carbon dioxide, dry chemical, foam, water fog or water mist. Use extinguishing media appropriate to surrounding fire.

Unsuitable Extinguishing Media

Do not use water jet.

Hazards from Combustion Products

Under fire conditions this product may emit toxic and/or irritating fumes, smoke and gases including oxides or carbonates of sodium and oxides of nitrogen.

Specific Hazards Arising From The Chemical

Non-combustible material. May react violently with strong acids. Contact with metals may liberate hydrogen, a flammable gas. Contact with ammonium salts will generate ammonia, a poisonous gas.

Hazchem Code

2R

Decomposition Temperature

No data available

Precautions in connection with Fire

Fire fighters should wear full protective clothing and self-contained breathing apparatus (SCBA) operated in positive pressure mode. Fight fire from safe location.

6. Accidental release measures

Emergency Procedures

Evacuate all unprotected personnel. Do not allow contact with skin and eyes. Do not breathe mist/vapour. Wear protective equipment to prevent skin and eye contact and breathing in vapours (see section 8). If contamination of sewers or waterways occurs inform the local water and waste management authorities in accordance with local regulations. As a water based product, if spilt on electrical equipment the product will cause short-circuits. Slippery when spilt.

Caution - heat may be evolved on contact with water.

Clean-up Methods - Small Spillages

If local regulations permit, mop up with plenty of water and run to waste, diluting greatly with running water. Otherwise absorb using an inert absorbent, transfer to container and arrange removal by disposals company. Wash site of spillage thoroughly with water. Ventilate area to dispel any residual vapours.

Clean-up Methods - Large Spillages

Contain using sand or earth. Use absorbent (soil, sand or other inert material) to absorb liquid. Collect and seal in properly labelled containers or drums for disposal.

7. Handling and storage

Handling and storage

This material is a Scheduled Poison S6 and must be stored, maintained and used in accordance with the relevant regulations

Precautions for Safe Handling

Corrosive liquid. Attacks skin and eyes. Causes skin burns. Avoid breathing in vapours, mist or fumes. Wear suitable protective clothing, gloves and eye/face protection when mixing and using. Use in designated areas with adequate ventilation. Keep containers tightly closed. Ensure a high level of personal hygiene is maintained when using this product, that is, always wash hands after handling, and before eating, drinking, smoking or using the toilet facilities.

Conditions for safe storage, including any incompatibilities

Corrosive liquid. Store in a cool dry well-ventilated area out of reach of children. Keep containers closed when not in use, securely sealed and protected against physical damage. Inspect regularly for deficiencies such as damage or leaks. Store in original packages as approved by manufacturer. Ensure that storage conditions comply with applicable local and national regulations. Protect from freezing.

Large quantities should be stored in a bunded dangerous goods store. Keep container tightly closed. Prevent contact with aluminium, tin, zinc or galvanised iron. Clean up all spills and splashes promptly; avoid secondary accidents.

For information on the design of the storeroom, reference should be made to Australian Standard AS 3780 The storage and handling of corrosive substances.

Corrosiveness

May be corrosive to metals.

Unsuitable Materials

Aluminium, tin, zinc or galvanised iron.

8. Exposure controls/personal protection

Occupational exposure limit values

No exposure standards have been established for this material. However, the available exposure limits for ingredients are listed below:

Sodium hydroxide

Peak limitation = 2mg/m³

Peak Limitation: A maximum or peak airborne concentration of a particular substance determined over the shortest analytically practicable period of time which does not exceed 15 minutes.

Biological Limit Values

No biological limits allocated.

Appropriate engineering controls

This substance is hazardous and should be used with a local exhaust ventilation system, drawing vapours away from workers' breathing zone. If the engineering controls are not sufficient to maintain concentrations of vapours/mists below the exposure standards, suitable respiratory protection must be worn.

Do not use aluminium, tin, zinc or galvanised iron as materials of construction.

Respiratory Protection

If engineering controls are not effective in controlling airborne exposure then an approved respirator with a replaceable vapor/mist filter should be used. Refer to relevant regulations for further information concerning respiratory protective requirements.

Reference should be made to Australian Standards AS/NZS 1715, Selection, Use and Maintenance of Respiratory Protective Devices; and AS/NZS 1716, Respiratory Protective Devices, in order to make any necessary changes for individual circumstances.

Eye Protection

Safety glasses with side-shields and full face shield. Eye protection should conform with Australian/New Zealand Standard AS/NZS 1337 - Eye Protectors for Industrial Applications.

Hand Protection

Wear gloves of impervious material such as rubber or plastic. Final choice of appropriate gloves will vary according to individual circumstances. i.e. methods of handling or according to risk assessments undertaken. Reference should be made to AS/NZS 2161.1: Occupational protective gloves - Selection, use and maintenance.

Personal Protective Equipment

The selection of PPE is dependent on a detailed risk assessment. The risk assessment should consider the work situation, the physical form of the chemical, the handling methods, and environmental factors.

Body Protection

Suitable protective workwear, e.g. cotton overalls buttoned at neck and wrist is recommended. Chemical resistant apron is recommended where large quantities are handled.

9. Physical and chemical properties

Properties	Description	Properties	Description
Form	Liquid	Appearance	Clear liquid
Colour	Pale yellow	Odour	Odourless
Decomposition Temperature	No data available	Boiling Point	No data available
Solubility in Water	Miscible with water in all proportions	Specific Gravity	1.20-1.21 at 20°C
pH	Approximately 12.7 (1% solution)	Vapour Pressure	No data available
Odour Threshold	No data available	Viscosity	No data available
Partition Coefficient: n-octanol/water	No data available	Flash Point	No data available
Flammability	Not flammable.	Auto-Ignition Temperature	No data available
Flammable Limits - Lower	No data available	Flammable Limits - Upper	No data available
Initial boiling point and boiling range	No data available	Relative density	No data available
Melting/Freezing Point	No data available		

10. Stability and reactivity

Chemical Stability

Stable under normal conditions of storage and handling.

Conditions to Avoid

Extremes of temperature and direct sunlight.

Incompatible materials

Will react violently with acids, producing heat. Readily absorbs carbon dioxide from the air. Will react with aluminium, tin and zinc, generating hydrogen, a flammable gas. Contact with ammonium salts may generate ammonia gas. Dilution with water may result in exothermic (heat producing) reaction.

Hazardous Decomposition Products

Thermal decomposition may result in the release of toxic and/or irritating fumes.

Hazardous Polymerization

Not expected to occur.

11. Toxicological Information

Toxicology Information

No toxicity data available for this material.

Ingestion

Corrosive. Causes burns to mouth and throat, nausea, vomiting, abdominal pains and diarrhoea (occasionally bloody). Can also cause swelling of the larynx and suffocation, perforation of stomach and intestines with constrictive scarring, heart failure and coma.

Inhalation

Inhalation of mists of the solution will result in respiratory irritation and possible harmful corrosive effects including lesions of the nasal septum, pulmonary oedema, pneumonitis and emphysema.

Skin

Causes severe burns. Corrosive to the skin. Skin contact can cause redness, itching, irritation, severe pain and chemical burns with resultant tissue destruction.

Eye

Causes serious eye damage. Eye contact will cause stinging, blurring, tearing, severe pain and possible burns, necrosis, permanent damage and blindness.

Respiratory sensitisation

Not expected to be a respiratory sensitiser.

Skin Sensitisation

Not expected to be a skin sensitiser.

Germ cell mutagenicity

Not considered to be a mutagenic hazard.

Carcinogenicity

Not considered to be a carcinogenic hazard.

Reproductive Toxicity

Not considered to be toxic to reproduction.

STOT-single exposure

Not expected to cause toxicity to a specific target organ.

STOT-repeated exposure

Not expected to cause toxicity to a specific target organ.

Aspiration Hazard

Not expected to be an aspiration hazard.

Chronic Effects

Long term, low level exposure can lead to irritation of skin, lungs, nose, throat and mouth.

12. Ecological information

Ecotoxicity

No ecotoxicity data available for this material.

Persistence and degradability

No data available

Mobility

No data available

Bioaccumulative Potential

No data available

Other Adverse Effects

No data available

Environmental Protection

Do not discharge this material into waterways, drains and sewers.

13. Disposal considerations

Waste Disposal

The disposal of the spilled or waste material must be done in accordance with applicable local and national regulations.

14. Transport information

Transport Information

This material is a Class 8 Corrosive Substance according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. Class 8 - Corrosive Substances are incompatible in a placard load with any of the following:

- Class 1, Explosives,
 - Class 4.3, Dangerous When Wet Substances,
 - Class 5.1, Oxidising Agents & Class 5.2 - Organic Peroxides,
 - Class 6, Toxic Substances (where the Toxic substances are cyanides and the corrosives are acids),
 - Class 7, Radioactive Substances,
 - Class 8, Corrosive Substances (concentrated strong acid is to be segregated from strong alkali),
- and are incompatible with food and food packaging in any quantity.

U.N. Number

1719

UN proper shipping name

CAUSTIC ALKALI LIQUID, N.O.S.(Contains Sodium Hydroxide)

Transport hazard class(es)

8

Packing Group

II

Hazchem Code

2R

IERG Number

37

IMDG Marine pollutant

No data available

Special Precautions for User

No data available

15. Regulatory information

Regulatory information

Classified as Hazardous according to the Globally Harmonised System of classification and labelling of chemicals (GHS) including Work, Health and Safety regulations, Australia.

Not classified as a Scheduled Poison according to the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP).

Poisons Schedule

S6

16. Other Information

Date of preparation or last revision of SDS

SDS reissued: 29 June 2020

SDS created (superseded): December 2016

References

Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice.

Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP 23).

Australian Code for the Transport of Dangerous Goods by Road & Rail (edition 7.5).

Model Work Health and Safety Regulations, Schedule 10: Prohibited carcinogens, restricted carcinogens and restricted hazardous chemicals.

Workplace exposure standards for airborne contaminants.

Adopted biological exposure determinants, American Conference of Governmental Industrial Hygienists (ACGIH).

Globally Harmonized System of classification and labelling of chemicals (edition 5).

Supplier SDS

Contact Person/Point

The company has taken care in compiling this information. No liability is accepted whether direct or indirect from its application since the conditions of final use are outside the Company's control. The end user is obliged to conform to relevant government regulations and/or patent laws applicable in their respective States of Countries.

24-Hour Emergency Telephone: AUS: 1800 629 953 NZ: Poisons 0800 764 766, Spills 111 FIRE.

END OF SDS

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