

Safety Data Sheet **DECON 90**

SDS no. 62WXWZ2E • Version 1.0 • Date of issue: 2023-05-07

SECTION 1: Identification

GHS Product identifier

Product name DECON 90

Product number D905

Recommended use of the chemical and restrictions on use

Cleaning agent, laboratory detergent.

Supplier's details

Name ChemSupply Australia Pty Ltd
Address 38-50 Bedford Street
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Australia

Telephone 08 8440 2000
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Emergency phone number

CHEMCALL 1800 127 406 (Australia) / +64-4-917-9888 (International)

SECTION 2: Hazard identification

General hazard statement

Not classified as dangerous goods according to the Australian Dangerous Goods Code (ADG).

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

Classification of the substance or mixture

GHS classification in accordance with: UN GHS revision 7

- Serious eye damage/eye irritation, Cat. 2A
- Skin corrosion/irritation, Cat. 2
- Corrosive to metals, Cat. 1

GHS label elements, including precautionary statements

Pictograms



Signal word

Warning

Hazard statement(s)

H290
 H315
 H319

May be corrosive to metals
 Causes skin irritation
 Causes serious eye irritation

Precautionary statement(s)

P234
 P264
 P280
 P302+P352
 P305+P351+P338

Keep only in original packaging.
 Wash hands thoroughly after handling.
 Wear protective gloves/protective clothing/eye protection/face protection.
 IF ON SKIN: Wash with plenty of water/soap
 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 Specific treatment (see ... on this label).
 If skin irritation occurs: Get medical advice/attention.
 If eye irritation persists: Get medical advice/attention.
 Take off contaminated clothing and wash it before reuse.
 Absorb spillage to prevent material-damage.
 Store in a corrosive resistant/... container with a resistant inner liner.

SECTION 3: Composition/information on ingredients

Mixtures

Composition, information on ingredients: A mixture of anionic and non-ionic surface active agents, stabilising agents, alkalis, non-phosphate detergent builders and sequestering agents, in an aqueous base.

Other components either not classified as Hazardous under the GHS, or below cut-off concentrations to be classified as Hazardous.

Components

Component	CAS no.	Concentration
Potassium hydroxide (EC no.: 215-181-3; Index no.: 019-002-00-8)	1310-58-3	0.5 - 2 % (weight)
CLASSIFICATIONS: Acute toxicity, oral, Cat. 4; Skin corrosion/irritation, Cat. 1A. HAZARDS: H302 - Harmful if swallowed; H314 - Causes severe skin burns and eye damage. [SCLs/M-factors/ATEs]: Skin Corr. 1A; H314: C ≥ 5 %; Skin Corr. 1B; H314: 2 % ≤ C < 5 %; Skin Irrit. 2; H315: 0,5 % ≤ C < 2 %; Eye Irrit. 2; H319: 0,5 % ≤ C < 2 %		

SECTION 4: First-aid measures

Description of necessary first-aid measures

General advice

First Aid Facilities: Maintain eyewash fountain in work area.

If inhaled

If inhaled, remove from contaminated area. Apply artificial respiration if not breathing.

In case of skin contact

Remove contaminated clothing and wash affected skin with soap and water. If irritation occurs seek medical advice. Wash clothing before reuse.

In case of eye contact

In case of contact with skin, rinse immediately with plenty of clean, flowing water.
Seek medical attention if there is persistent irritation.

If swallowed

If ingested, drink copious amounts of fresh water and seek immediate medical attention. Do not promote vomiting.

Most important symptoms/effects, acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

Indication of immediate medical attention and special treatment needed, if necessary

For advice, contact the National Poisons Information Centre (Phone Australia 13 11 26; New Zealand 0800 764 766) or a doctor.

SECTION 5: Fire-fighting measures

Suitable extinguishing media

Small fire: Use dry chemical, CO₂, water spray or appropriate foam.

Large fire: use water spray, fog or foam.

If safe to do so, move undamaged containers from the fire area. Cool containers with flooding quantities of water until well after the fire is out.

Specific hazards arising from the chemical

Hazards from Combustion Products: Solutions will not burn or support combustion.

Special protective actions for fire-fighters

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

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

Prevent spill from entering waterways. Restrict access to area. Remove chemicals that can react with the spilled material. Spills are slippery. Use inert material such as sand or earth to contain spill or leak. Absorb spills with chemical absorber or vermiculite and dispose of in accordance with local regulations. Wear protective clothing specified for normal operations (see Section 8)

Methods and materials for containment and cleaning up

Prevent spill from entering waterways. Restrict access to area. Remove chemicals that can react with the spilled material. Spills are slippery. Use inert material such as sand or earth to contain spill or leak. Absorb spills with chemical absorber or vermiculite and dispose of in accordance with local regulations.

SECTION 7: Handling and storage

Precautions for safe handling

Avoid prolonged or repeated contact with skin, eyes and clothing .

Conditions for safe storage, including any incompatibilities

Store the concentrate at ambient temperature, out of direct sunlight, sealed in the container in which it is supplied, and away from strong acids and aluminium.

Corrosiveness: Use glass, ceramic, plastic (not polycarbonate) or stainless steel vessels for working solutions

SECTION 8: Exposure controls/personal protection

Appropriate engineering controls

Use ventilation adequate to keep exposures (airborne levels of dust, fume, vapor, gas, etc.) below recommended exposure limits.

Individual protection measures, such as personal protective equipment (PPE)

Eye/face protection

The use of a face shield, chemical goggles or safety glasses with side shield protection as appropriate. Must comply with Australian Standards AS 1337 and be selected and used in accordance with AS 1336.

Skin protection

Clean impervious clothing should be worn. Clothing for protection against chemicals should comply with AS 3765 Clothing for Protection Against Hazardous Chemicals.

Hand Protection: Ensure hand protection complies with AS 2161, Occupational protective gloves - Selection, use and maintenance.

Body protection

Footwear: Safety boots in industrial situations is advisory, foot protection should comply with AS 2210, Occupational protective footwear - Guide to selection, care and use.

Body Protection: Clean clothing or protective clothing should be worn, preferably with and apron. Clothing for protection against chemicals should comply with AS 3765 Clothing for Protection Against Hazardous Chemicals.

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.

SECTION 9: Physical and chemical properties

Basic physical and chemical properties

Physical state	Liquid
Appearance	Decon 90 is a milky white, non-viscous liquid concentrate, having faint odour.
Color	No data available.
Odor	No data available.
Odor threshold	No data available.
Melting point/freezing point	No data available.
Boiling point or initial boiling point and boiling range	100.5 °C
Flammability	No data available.
Lower and upper explosion limit/flammability limit	No data available.
Flash point	No data available.
Explosive properties	No data available.
Auto-ignition temperature	No data available.
Decomposition temperature	No data available.
Oxidizing properties	No data available.
pH	>13
Kinematic viscosity	Viscosity: 6.27 cps at 20°C
Solubility	Solubility in Water: Soluble.
Partition coefficient n-octanol/water (log value)	No data available.
Vapor pressure	17.1 mm Hg at 20°C

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Evaporation rate
Density and/or relative density
Relative vapor density
Particle characteristics

0.34 (butyl acetate)
Density: 1.083 at 20°C
No data available.
No data available.

Supplemental information regarding physical hazard classes

No data available.

Further safety characteristics (supplemental)

No data available.

SECTION 10: Stability and reactivity

Reactivity

Stable under normal conditions of storage and handling.

Chemical stability

Stable under recommended storage conditions.

Possibility of hazardous reactions

Hazardous Polymerization: Will not occur.

Conditions to avoid

Avoid storing in direct sunlight and avoid extremes of temperature.

Incompatible materials

Will tend to corrode non-ferrous metals, notably aluminium and zinc.

Hazardous decomposition products

May react violently with strong acids.
May produce hydrogen in contact with aluminium.

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity

Ingestion: May irritate gastric system if large quantities are ingested.

Inhalation: Breathing spray mist may cause irritation.

Skin corrosion/irritation

May irritate skin tissue of sensitive individuals with prolonged contact.

Serious eye damage/irritation

Causes irritation to eye tissue.

Respiratory or skin sensitization

No data available.

Germ cell mutagenicity

No data available.

Carcinogenicity

No data available.

Reproductive toxicity

No data available.

Summary of evaluation of the CMR properties

No data available.

Specific target organ toxicity (STOT) - single exposure

No data available.

Specific target organ toxicity (STOT) - repeated exposure

No data available.

Aspiration hazard

No data available.

Additional information

Chronic Effects: Product may cause defatting of the skin with irritation and dermatitis with prolonged skin contact.

SECTION 12: Ecological information

Persistence and degradability

Decon 90 is biodegradable.

Ready biodegradability by OECD 301E (ISO method 7287 - 1986(E)).

Other adverse effects

Environmental Fate: High alkalinity may affect aquatic organisms if released into water course untreated.

SECTION 13: Disposal considerations

Disposal methods

Product disposal

Waste material must be disposed of in accordance with the national and local regulations. Leave chemicals in original containers.

Other disposal recommendations

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

SECTION 14: Transport information

ADG (Road and Rail)

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

SECTION 15: Regulatory information

Safety, health and environmental regulations specific for the product in question

Australia SUSMP

Poison Schedule: S5

SECTION 16: Other information

Further information/disclaimer

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Preparation information

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Standard for the Uniform Scheduling of Medicines and Poisons, Commonwealth of Australia

National Road Transport Commission, 'Australian Code for the Transport of Dangerous Goods by Road and Rail 7th. Ed.'

Safe Work Australia, 'National Code of Practice for the Preparation of Safety Data Sheets for Hazardous Chemicals', July 2020.

Safe Work Australia, 'National Guide for Classifying Hazardous Chemicals', July 2020.

Safe Work Australia, Workplace Exposure Standards for Airborne Contaminants, December 2019

Safe Work Australia, Hazardous Chemical Information System (HCIS), hcis.safeworkaustralia.gov.au

IATA, Dangerous Goods Regulations (DGR)

IMO, International Maritime Dangerous Goods Code (IMDG)