



Decon 90 Material Safety Data Sheet

1 April 2005

1. Identification of substance/preparation and company

Product: **DECON 90**
In certain countries, Decon 90 is sold under the trade name :
CONTRAD.

Company: **Decon Laboratories Limited**
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2. Composition/information on ingredients

A complex emulsion of highest quality anionic and non-ionic surface active agents, stabilising agents, alkalis, non-phosphate detergent builders and sequestering agents, in an aqueous base.

Contains <3% Potassium Hydroxide (KOH) - CAS No. 1310-58-3 - EINECS No. 215-181-3

Decon 90 is a milky white, non-viscous liquid concentrate, having faint odour.

3. Hazards identification

Xi - irritant May cause irritation to skin, especially if exposure is prolonged.
May cause severe eye irritation.

4. First-aid measures

In case of contact with eyes, rinse immediately with plenty of clean, flowing water and seek immediate medical attention.

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

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

5. Fire-fighting measures

Use extinguisher suitable to the cause of the fire.

6. Accidental release measures

Absorb large spillages with sand or any suitable medium.
Dispose of in accordance with local authority guidelines.
Small spillages may be flushed away with plenty of water to a drain or sewer.

7. Handling and storage

Avoid contact with skin and eyes.

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

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.

Stored correctly, Decon 90 has a shelf life of 5 years.

8. Exposure controls/personal protection

Wear eye protection and rubber gloves when handling.

Clothes may be protected with man-made fibre over-garments.

9. Physical and chemical properties

Melting point	-3.8°C (product is a liquid).
Boiling point	100.5°C.
Density	1.083 at 20°C.
Vapour pressure	17.1 mm Hg at 20°C.
Evaporation rate	0.34 (butyl acetate = 1).
Viscosity	6.27 cps at 20°C.
Solubility	Totally soluble in water. Miscible with water soluble solvents.
pH value	The concentrate has a pH in excess of pH13.

10. Stability and reactivity

Flash point	Not applicable.
Ignition temperature	Does not burn or help other materials to burn.
Explosion limits	Not applicable.
Thermal decomposition	None.
Hazardous thermal decomposition products	None known.
Hazardous reactions	May react violently with strong acids. May produce hydrogen in contact with aluminium.
Further information	Will tend to corrode non-ferrous metals, notably aluminium and zinc.

11. Toxicological information

Decon 90 should not be ingested. Toxicity is low, but high alkalinity is likely to be harmful.

No known evidence of carcinogenicity, mutagenicity or reproductive toxicity.

12. Ecological information

Decon 90 is biodegradable.

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

13. Disposal considerations

Dispose of in accordance with regional and/or national regulations.

14. Transport information

UN Number	None
IMDG code	None
ADR/RID	None
OACI/IATA	None
Shipping name	As commercial name

15. Regulatory information

Classification	Irritant
Symbol	Xi
Risk phrases	R36/38
Safety phrases	S24/25 and S26

16. Other information

Not suitable for domestic applications.

Every effort has been made to ensure that the information contained in this Material Safety Data Sheet is accurate, but we cannot accept liability for any loss, injury or damage which may result from its use. Data given in this Material Safety Data Sheet is solely for guidance in the safe handling, storage and use of the product by customers and does not form part of any specification.

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