



# Material Safety Data Sheet

Date: 1st. April, 2011.

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## **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  
Conway Street, Hove, East Sussex, BN3 3LY, England  
Tel: +44 (0)1273 739241  
Fax: +44 (0)1273 722088  
Email: mail@decon.co.uk  
Website: www.decon.co.uk  
Emergency telephone: +44 (0) 1273 739241

## **2. Hazards identification**

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

## **3. 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  
C R: 22 Harmful if swallowed. R: 35 Causes severe burns.

## **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.

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## **5. Fire-fighting measures**

Use extinguisher suitable to the cause of the fire.

## **6. Accidental release measures**

Avoid contact with eyes and skin.

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 safety goggles and nitrile or PVC gloves when handling.

Clothes should be protected to prevent contact.



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## 9. Physical and chemical properties

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

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 pH 13.

## 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.

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## 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  
ICAO/IATA : None  
Shipping name : As commercial name

## 15. Regulatory information

CHIP Classification: Irritant  
Symbol : Xi  
Risk phrases : R36/38 Irritating to eyes and skin.  
Safety phrases : S24/25 and S26 Avoid contact with skin and eyes.  
In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

## 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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