



# Material Safety Data Sheet

## 1. Identification of substance/preparation and company

Product : **CONTRAD 2000**  
In certain countries Contrad 2000 is sold under the trade name: Decon 90.

Company : Decon Laboratories Limited  
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## 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.

## 5. Fire-fighting measures

Use extinguisher suitable to the cause of the fire.



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## **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, Contrad 2000 has a shelf life of 5 years.

## **8. Exposure controls/personal protection**

Wear safety goggles and latex, nitrile or PVC gloves when handling.

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

## **9. Physical and chemical properties**

Contrad 2000 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.<br>Miscible with water soluble solvents. |
| pH value :         | The concentrate has a pH in excess of pH13.                        |



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## 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.<br>May produce hydrogen in contact with aluminium. |
| Further information :                      | Will tend to corrode non-ferrous metals, notably aluminium and zinc.                      |

## 11. Toxicological information

Contrad 2000 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

Contrad 2000 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 |



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## 15. Regulatory information

CHIP Classification: Irritant

Symbol : Xi

Risk phrases : R36/38 Irritating to eyes and skin.

Safety phrases : S24/25 Avoid contact with skin and eyes.  
S26 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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