



# Safety Data Sheet

Date: 1st December 2020.

SDS-D90 Page 1 of 4

## 1. Identification of the substance/preparation and of the company/undertaking

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

Use: Cleaning and decontaminating agent.

Company : Decon Laboratories Limited  
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Website: www.decon.co.uk  
Emergency telephone: +44 (0) 1273 739241 (office hours only)

## 2. Hazards identification



Warning

H290 May be corrosive to metals.  
H315 Causes skin irritation.  
H319 Causes serious eye irritation.

## 3. 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.

Contains 0.5%-2% Potassium Hydroxide (KOH)  
CAS No. 1310-58-3 - EC No. 215-181-3  
H290 May be corrosive to metals. H302 Harmful if swallowed.  
H314 Causes severe skin burns and eye damage.

## 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.

Continued



# Safety Data Sheet

Date: 1<sup>st</sup> December 2020

SDS-D90 Page 2 of 4

## **6. Accidental release measures**

Avoid contact with eyes and skin.  
Dilute with large amounts of water.  
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 eyes and skin.

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, butyl or PVC gloves when handling.

Clothes should be protected with an alkali resistant apron, to prevent contact.

Occupational exposure limit: Potassium Hydroxide 2mg/m<sup>3</sup> OES 15 min STEL

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

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

Melting point:	Not applicable.
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:	Completely soluble in water.
pH value :	> pH 13.

Continued



# Safety Data Sheet

Date: 1<sup>st</sup> December 2020

SDS-D90 Page 3 of 4

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

Flammability: Not applicable.

Flash point: Not applicable.

Auto-Ignition temperature: Not applicable.

Explosive properties: Not applicable.

## **10. Stability and reactivity**

Thermal decomposition: None known.

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**

Will cause irritation to eyes and skin. Breathing spray mist may cause irritation.

If ingested, will cause irritation to gastro-intestinal tract.

## **12. Ecological information**

Decon 90 is biodegradable.  
Ready biodegradability by OECD 301E (ISO method 7827 - 1986(E)).

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

Continued



# Safety Data Sheet

Date: 1<sup>st</sup> December 2020

SDS-D90 Page 4 of 4

## 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

Classification, Labeling & Packaging (CLP) Regulations.

Pictogram:



Signal word:

Warning

A chemical safety assessment for this mixture has not been carried out.

## 16. Other information

Not suitable for domestic applications.

Precautionary Statements:

P102 Keep out of reach of children.  
P262 Do not get in eyes, on skin or on clothing.  
P280 Wear protective gloves, protective clothing, eye / face protection.  
P302+P352 IF ON SKIN: Wash with plenty of soap and water.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes.  
Remove contact lenses, if present and easy to do so. Continue rinsing.  
P337+P313 If eye irritation persists, get medical advice/attention.

Every effort has been made to ensure that the information contained in this 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 Safety Data Sheet is solely for guidance in the safe handling, storage, use and disposal of the product by customers and does not form part of any warranty, guarantee or specification.

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