# doscan RV-O plus

Version: 3 / GB | Replaces Version: 2 / GB | Date revised: 01.04.2025 | Print date: 11.02.26

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1. Product identifier

doscan RV-O plus

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

#### Identified Uses

PC35 Washing and cleaning products (including solvent based products)

### 1.3. Details of the supplier of the safety data sheet

#### Address/Manufacturer

Chemische Fabrik Dr. Weigert GmbH & Co. KG
Mühlenhagen 85
D-20539 Hamburg
Telephone no. +49 40 789 60 0
Fax no. +49 40 789 60 120
www.drweigert.com

**E-mail address of person responsible for this SDS:**
sida@drweigert.de

### 1.4. Emergency telephone number

Emergency telephone number: 112

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

#### Classification (Regulation (EC) No. 1272/2008)

Classification (Regulation (EC) No. 1272/2008)

| | | |
|---|---|---|
| Acute Tox. 4 | H302 | Route of exposure: oral |
| Eye Dam. 1 | H318 | |

The product is classified and labelled in accordance with Regulation (EC) No 1272/2008
For explanation of abbreviations see section 16.

### 2.2. Label elements

#### Labelling according to regulation (EC) No 1272/2008

#### Hazard pictograms

#### Signal word

Danger

#### Hazard statements

H302 Harmful if swallowed.
H318 Causes serious eye damage.

#### Precautionary statements

P280 Wear protective gloves/protective clothing/eye protection/face protection.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact

| | |
|---|---|
| | lenses, if present and easy to do. Continue rinsing. |
| P310 | Immediately call a POISON CENTER or doctor. |
| P403+P235 | Store in a well-ventilated place. Keep cool. |
| | Dispose only when container is empty and closed. For disposal of product residues, refer to safety data sheet. |

**Hazardous component(s) to be indicated on label (Regulation (EC) No. 1272/2008)**

contains hydrogen peroxide solution

## 2.3. Other hazards

No special hazards have to be mentioned.
The product contains no PBT substances. The product contains no vPvB substances. This product does not contain a substance that has endocrine disrupting properties with respect to human. The product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms.

## SECTION 3: Composition/information on ingredients

## 3.2. Mixtures

### Hazardous ingredients

**hydrogen peroxide solution**

| | | | | | |
|---|---|---|---|---|---|
| CAS No. | 7722-84-1 | | | | |
| EINECS no. | 231-765-0 | | | | |
| Registration no. | 01-2119485845-22 | | | | |
| Concentration | >= | 25 | < | 35 | % |

Classification (Regulation (EC) No. 1272/2008)

| | |
|---|---|
| Ox. Liq. 1 | H271 |
| Acute Tox. 4 | H302 |
| Acute Tox. 4 | H332 |
| Skin Corr. 1A | H314 |

Concentration limits (Regulation (EC) No. 1272/2008)

| | | |
|---|---|---|
| Eye Dam. 1 | H318 | >= 8 < 50 % |
| Eye Irrit. 2 | H319 | >= 5 < 8 % |
| Ox. Liq. 1 | H271 | >= 70 % |
| Ox. Liq. 2 | H272 | >= 50 < 70 % |
| Skin Corr. 1A | H314 | >= 70 % |
| Skin Corr. 1B | H314 | >= 50 < 70 % |
| Skin Irrit. 2 | H315 | >= 35 < 50 % |
| STOT SE 3 | H335 | >= 35 % |

| | | | | |
|---|---|---|---|---|
| ATE | oral | 418 | mg/kg | |
| | mg/l | | | |

Additional remarks:

CLP Regulation (EC) No 1272/2008, Annex VI, Note B

**alkylether carboxylic acid**

| | | | | | |
|---|---|---|---|---|---|
| CAS No. | 53563-70-5 | | | | |
| Concentration | >= | 1 | < | 10 | % |

Classification (Regulation (EC) No. 1272/2008)

| | |
|---|---|
| Eye Dam. 1 | H318 |

**2-phosphonobutane-1,2,4-tricarboxylic acid**

| | | | | | |
|---|---|---|---|---|---|
| CAS No. | 37971-36-1 | | | | |
| EINECS no. | 253-733-5 | | | | |
| Registration no. | 01-2119436643-39 | | | | |
| Concentration | >= | 1 | < | 10 | % |

Classification (Regulation (EC) No. 1272/2008)

| | |
|---|---|
| Met. Corr. 1 | H290 |
| Eye Irrit. 2 | H319 |

**fatty alcohol C12-C14, ethoxylated, propoxylated**

CAS No. 68439-51-0

Concentration >= 1 < 10 %

Classification (Regulation (EC) No. 1272/2008)

| | |
|---|---|
| Aquatic Chronic 3 | H412 |

### Other information

Complete text of hazard statements in chapter 16

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### General information

Remove contaminated, soaked clothing immediately and dispose of safely. Clean body thoroughly (bath, shower). In any case show the physician the Safety Data Sheet.

#### After inhalation

Ensure supply of fresh air. When spray fog inhaled, seek medical aid.

#### After skin contact

After contact with skin, wash immediately with plenty of water.

#### After eye contact

In case of contact with the eyes, rinse immediately for at least 15 minutes with plenty of water. Summon a doctor immediately.

#### After ingestion

Rinse mouth thoroughly with water. Let plenty of water be drunk in small gulps. Do not induce vomiting. Take medical treatment.

#### Adhere to personal protective measures when giving first aid

First aider: Pay attention to self-protection!

### 4.2. Most important symptoms and effects, both acute and delayed

Until now no symptoms known so far.

### 4.3. Indication of any immediate medical attention and special treatment needed

#### Hints for the physician / treatment

Treat symptomatically

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

#### Suitable extinguishing media

Product itself is non-combustible; adapt fire extinguishing measures to surrounding areas.

#### Non suitable extinguishing media

Full water jet

### 5.2. Special hazards arising from the substance or mixture

If a fire breaks out nearby, pressure build-up and danger of bursting are possible.

### 5.3. Advice for firefighters

#### Special protective equipment for fire-fighting

Do not inhale explosion and/or combustion gases. In case of combustion use a suitable breathing apparatus.

### Other information

Collect contaminated fire-fighting water separately, must not be discharged into the drains. Fire residues and contaminated fire-fighting water must be disposed of in accordance with the local regulations.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

Avoid contact with skin, eyes and clothing. Refer to protective measures listed in Sections 7 and 8.

### 6.2. Environmental precautions

Do not discharge into the drains/surface waters/groundwater.

### 6.3. Methods and material for containment and cleaning up

Take up with absorbent material (eg sand, kieselguhr, universal binder). Do not pick up with the help of saw-dust or other combustible substances. Dispose of absorbed material in accordance with the regulations. Flush away residues with water.

### 6.4. Reference to other sections

Refer to protective measures listed in Sections 7 and 8.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

#### Advice on safe handling

Avoid formation of aerosols. Keep container tightly closed. Observe the usual precautions for handling chemicals.

#### Advice on protection against fire and explosion

The product is not combustible. Keep away from combustible material.

### 7.2. Conditions for safe storage, including any incompatibilities

#### Recommended storage temperature

| | | | | | |
|---|---|---|---|---|---|
| Value | > | 0 | < | 25 | °C |

#### Requirements for storage rooms and vessels

Keep in original packaging, tightly closed. Storage rooms must be properly ventilated.

#### Hints on storage assembly

Do not store with combustible materials.

#### Storage classes

| | | |
|---|---|---|
| Storage class according to TRGS 510 | 5.1B | Oxidising hazardous substances |

#### Further information on storage conditions

Protect from heat and direct sunlight. Protect from contamination. Do not keep the container sealed.

### 7.3. Specific end use(s)

no data

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Exposure limit values

**hydrogen peroxide solution… %**

| | |
|---|---|
| List | EH40 |
| Type | WEL |

| | | | | |
|---|---|---|---|---|
| Value | 1.4 | mg/m³ | 1 | ppm(V) |
| Short term exposure limit | 2.8 | mg/m³ | 2 | ppm(V) |

**Other information**

There are not known any further control parameters.

## 8.2. Exposure controls

**General protective and hygiene measures**

Hold eye wash fountain available. Do not inhale gases/vapours/aerosols. Avoid contact with skin and eyes. Do not eat, drink or smoke during work time. Wash hands before breaks and after work.

**Respiratory protection**

If workplace limits are exceeded, a respiratory protection approved for this particular job must be worn.

**Hand protection**

Chemical resistant gloves

| | | | |
|---|---|---|---|
| Use | Permanent hand contact | | |
| Appropriate Material | neoprene | | |
| Material thickness | >= | 0,65 | mm |
| Breakthrough time | > | 480 | min |
| Appropriate Material | nitrile | | |
| Material thickness | >= | 0,4 | mm |
| Breakthrough time | > | 480 | min |
| Appropriate Material | butyl | | |
| Material thickness | >= | 0,7 | mm |
| Breakthrough time | > | 480 | min |
| Use | Short-term hand contact | | |
| Appropriate Material | nitrile | | |
| Material thickness | >= | 0,11 | mm |

Hand protection must comply with EN 374.

**Eye protection**

Safety glasses with side protection shield; Eye protection must comply with EN 166.

**Body protection**

Clothing as usual in the chemical industry.

# SECTION 9: Physical and chemical properties

## 9.1. Information on basic physical and chemical properties

| | |
|---|---|
| **Physical state** | liquid |
| **Colour** | colourless |
| **Odour** | uncharacteristic |

**Melting point**

Remarks: not determined

**Freezing point**

Remarks: not determined

**Boiling point or initial boiling point and boiling range**

Remarks: not determined

**Flammability**

evaluation: Not applicable

**Upper and lower explosive limits**

Remarks: Not applicable

**Flash point**

Remarks: Not applicable

**Auto-ignition temperature**

| | |
|---|---|
| Remarks | Not applicable |

**Decomposition temperature**

| | |
|---|---|
| Remarks | |
| Remarks | not determined |

**pH value**

| | | |
|---|---|---|
| Value | 2,8 | |
| Concentration/H2O | 1 | % |
| Temperature | 20 | °C |

**Viscosity**

| | |
|---|---|
| Remarks | not determined |

**Solubility(ies)**

| | |
|---|---|
| Remarks | not determined |

**Partition coefficient n-octanol/water (log value)**

| | |
|---|---|
| Remarks | not determined |

**Vapour pressure**

| | |
|---|---|
| Remarks | not determined |

**Density and/or relative density**

| | | |
|---|---|---|
| Value | 1,10 | g/cm³ |
| Temperature | 20 °C | |

**Relative vapour density**

| | |
|---|---|
| Remarks | not determined |

### 9.2. Other information

**Odour threshold**

| | |
|---|---|
| Remarks | not determined |

**Evaporation rate (ether = 1) :**

| | |
|---|---|
| Remarks | not determined |

**Solubility in water**

| | |
|---|---|
| Remarks | miscible in all proportions |

**Explosive properties**

| | |
|---|---|
| evaluation | not determined |

**Oxidising properties**

| | |
|---|---|
| evaluation | oxidizing |

**Other information**

None known

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No hazardous reactions when stored and handled according to prescribed instructions.

### 10.2. Chemical stability

Protect from contamination.

### 10.3. Possibility of hazardous reactions

Do not keep the container sealed.

### 10.4. Conditions to avoid

Protect from heat and direct sunlight.

### 10.5. Incompatible materials

Reactions with combustible substances. Reactions with strong acids and alkalies. Reactions with alkali metals. Reactions with earth alkali metals. Reactions with metals in powder form.

### 10.6. Hazardous decomposition products

Oxygen

## SECTION 11: Toxicological information

### 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

**Acute oral toxicity**

| | | | |
|---|---|---|---|
| ATE | appr. | 1550 | mg/kg |
| Method | calculated value (Regulation (EC) No. 1272/2008) | | |
| Remarks | The classification criteria are met. | | |

**Acute oral toxicity (Components)**

**hydrogen peroxide solution… %**

| | | | | | |
|---|---|---|---|---|---|
| Species | rat | | | | |
| LD50 | | 418 | to | 445 | mg/kg |

**fatty alcohol C12-C14, ethoxylated, propoxylated**

| | | | |
|---|---|---|---|
| Species | rat | | |
| LD50 | > | 2000 | mg/kg |
| Method | EEC 84/449, B.1 | | |

**alkylether carboxylic acid**

| | | | |
|---|---|---|---|
| Reference substance | alkylether carboxylic acid | | |
| Species | rat | | |
| LD50 | > | 2000 | mg/kg |

**Acute dermal toxicity**

| | |
|---|---|
| Remarks | Based on available data, the classification criteria are not met. |

**Acute dermal toxicity (Components)**

**fatty alcohol C12-C14, ethoxylated, propoxylated**

| | | | |
|---|---|---|---|
| Species | rat | | |
| LD50 | > | 5000 | mg/kg |

**Acute inhalational toxicity**

| | | | |
|---|---|---|---|
| ATE | > | 20 | mg/l |
| Administration/Form | Vapors | | |
| Method | calculated value (Regulation (EC) No. 1272/2008) | | |
| Remarks | Based on available data, the classification criteria are not met. | | |

**Skin corrosion/irritation**

| | |
|---|---|
| Remarks | Based on available data, the classification criteria are not met. |

**Serious eye damage/irritation**

| | |
|---|---|
| evaluation | corrosive |
| Remarks | The classification criteria are met. |

**Sensitization**

| | |
|---|---|
| Remarks | Based on available data, the classification criteria are not met. |

**Subacute, subchronic, chronic toxicity**

| | |
|---|---|
| Remarks | Based on available data, the classification criteria are not met. |

**Mutagenicity**

| | |
|---|---|
| Remarks | Based on available data, the classification criteria are not met. |

**Reproductive toxicity**

| | |
|---|---|
| Remarks | Based on available data, the classification criteria are not met. |

### Carcinogenicity

| | |
|---|---|
| Remarks | Based on available data, the classification criteria are not met. |

### Specific Target Organ Toxicity (STOT)

**Single exposure**

| | |
|---|---|
| Remarks | Based on available data, the classification criteria are not met. |

**Repeated exposure**

| | |
|---|---|
| Remarks | Based on available data, the classification criteria are not met. |

### Aspiration hazard

Based on available data, the classification criteria are not met.

## 11.2. Information on other hazards

### Endocrine disrupting properties with respect to humans

The product does not contain a substance that has endocrine disrupting properties with respect to humans.

### Experience in practice

Inhalation may lead to irritation of the respiratory tract.

### Other information

There is no data available on the product apart from the information given in this subsection.

# SECTION 12: Ecological information

## 12.1. Toxicity

### General information

not determined

### Fish toxicity (Components)

**hydrogen peroxide solution… %**

| | | | | |
|---|---|---|---|---|
| Species | Fathead minnow (Pimephales promelas) | | | |
| LC50 | 16,4 | | | mg/l |
| Duration of exposure | 96 | h | | |

**fatty alcohol C12-C14, ethoxylated, propoxylated**

| | | | | |
|---|---|---|---|---|
| Species | guppy (Poecilia reticulata) | | | |
| LC50 | 1 | to | 10 | mg/l |
| Duration of exposure | 96 | h | | |
| Method | OECD 203 | | | |

**alkylether carboxylic acid**

| | | | | |
|---|---|---|---|---|
| Reference substance | alkylether carboxylic acid | | | |
| Species | zebra fish (Brachydanio rerio) | | | |
| LC50 | 100 | to | 220 | mg/l |
| Duration of exposure | 96 | h | | |

### Daphnia toxicity (Components)

**hydrogen peroxide solution… %**

| | | | | |
|---|---|---|---|---|
| Species | Daphnia pulex | | | |
| EC50 | 2,4 | | | mg/l |
| Duration of exposure | 48 | h | | |

**fatty alcohol C12-C14, ethoxylated, propoxylated**

| | | | | |
|---|---|---|---|---|
| Species | Daphnia magna | | | |
| EC50 | 1 | to | 10 | mg/l |
| Duration of exposure | 48 | h | | |
| Method | OECD 202 | | | |

### Algae toxicity (Components)

**hydrogen peroxide solution… %**

| | | | | |
|---|---|---|---|---|
| Species | Chlorella vulgaris | | | |
| IC50 | 4,3 | | | mg/l |
| Duration of exposure | 72 | h | | |

**hydrogen peroxide solution… %**

| | | | | |
|---|---|---|---|---|
| Species | Skeletonema costatum | | | |
| EC50 | 1,38 | | | mg/l |
| Duration of exposure | 72 | h | | |

**fatty alcohol C12-C14, ethoxylated, propoxylated**

| | | | | |
|---|---|---|---|---|
| Species | Scenedesmus subspicatus | | | |
| EC50 | 1 | to | 10 | mg/l |
| Duration of exposure | 72 | h | | |
| Method | OECD 201 | | | |

### Bacteria toxicity (Components)

**hydrogen peroxide solution… %**

| | | | | |
|---|---|---|---|---|
| Species | activated sludge | | | |
| EC50 | 466 | | | mg/l |
| Duration of exposure | 30 | min | | |
| Method | OECD 209 | | | |

**hydrogen peroxide solution… %**

| | | | | |
|---|---|---|---|---|
| Species | activated sludge | | | |
| EC50 | > 1000 | | | mg/l |
| Duration of exposure | 3 | h | | |
| Method | OECD 209 | | | |

**fatty alcohol C12-C14, ethoxylated, propoxylated**

| | | | | |
|---|---|---|---|---|
| Species | Pseudomonas putida | | | |
| EC0 | > 100 | | | mg/l |
| Method | OECD 209 | | | |

**alkylether carboxylic acid**

| | | | | |
|---|---|---|---|---|
| Species | activated sludge | | | |
| EC50 | 933 | | | mg/l |
| Duration of exposure | 3 | h | | |
| Method | OECD 209 | | | |

## 12.2. Persistence and degradability

### General information

not determined

### Biodegradability (Components)

**fatty alcohol C12-C14, ethoxylated, propoxylated**

evaluation: Readily biodegradable (according to OECD criteria)

## 12.3. Bioaccumulative potential

### General information

not determined

### Partition coefficient n-octanol/water (log value)

Remarks: not determined

## 12.4. Mobility in soil

### General information

not determined

## 12.5. Results of PBT and vPvB assessment

### General information

not determined

### Results of PBT and vPvB assessment

The product contains no PBT substances
The product contains no vPvB substances.

## 12.6 Endocrine disrupting properties

### Endocrine disrupting properties with respect to the envrionment

The product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms.

## 12.7. Other adverse effects

### General information

not determined

### General information / ecology

Do not allow to enter soil, waterways or waste water canal. Avoid release into the atmosphere.

# SECTION 13: Disposal considerations

## 13.1. Waste treatment methods

### Disposal recommendations for the product

| | | |
|---|---|---|
| EWC waste code | 18 01 06* | chemicals consisting of or containing dangerous substances |
| EWC waste code | 20 01 29* | detergents containing dangerous substances |

The listed waste code numbers, according to the European Waste Catalogue (EWC), are to be understood as a recommendation. A final decision must be made in agreement with the regional waste disposal company.

### Disposal recommendations for packaging

| | | |
|---|---|---|
| EWC waste code | 15 01 02 | plastic packaging |

Completely emptied packagings can be given for recycling.

| | | |
|---|---|---|
| EWC waste code | 15 01 10* | packaging containing residues of or contaminated by dangerous substances |

Packaging that cannot be cleaned should be disposed off in agreement with the regional waste disposal company.

# SECTION 14: Transport information

| | Land transport ADR/RID | Marine transport IMDG/GGVSee | Air transport ICAO/IATA |
|---|---|---|---|
| Tunnel restriction code | E | | |
| IMDG-Code segregation group | | 16 Peroxides | |
| **14.1. UN number or ID number** | 2014 | 2014 | 2014 |
| **14.2. UN proper shipping name** | HYDROGEN PEROXIDE, AQUEOUS SOLUTION | HYDROGEN PEROXIDE, AQUEOUS SOLUTION | HYDROGEN PEROXIDE, AQUEOUS SOLUTION |
| **14.3. Transport hazard class(es)** | 5.1 | 5.1 | 5.1 |
| Subsidiary risk | 8 | 8 | 8 |
| Label |  |  |  |
| **14.4. Packing group** | II | II | II |
| Limited Quantity | 1 l | 1 l | |
| Transport category | 2 | | |
| **14.5. Environmental hazards** | | no | |

## Information for all modes of transport

### 14.6. Special precautions for user

See Sections 6 to 8

## Other information

### 14.7. Maritime transport in bulk according to IMO instruments

Not applicable

## SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

#### Ingredients (Regulation (EC) No 648/2004)

**15 % or over but less than 30 %:**

oxygen-based bleaching agents

**less than 5 %:**

non-ionic surfactants, phosphonates, anionic surfactants

#### VOC

VOC (EU) 0 %

#### Other information

The product does not contain substances of very high concern (SVHC).

Acquisition, introduction, possession or use of this product by the general public is restricted by Regulation (EU) 2019/1148. All suspicious transactions, and significant disappearances and thefts should be reported to the relevant national contact point.

### 15.2. Chemical safety assessment

For this preparation a chemical safety assessment has not been carried out.

## SECTION 16: Other information

**Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:**

Classification (Regulation (EC) No. 1272/2008)

| | | |
|---|---|---|
| Acute Tox. 4 | H302 | Calculation method |
| Eye Dam. 1 | H318 | Calculation method |

**Hazard statements listed in Chapter 2/3**

| | |
|---|---|
| H271 | May cause fire or explosion; strong oxidizer. |
| H290 | May be corrosive to metals. |
| H302 | Harmful if swallowed. |
| H314 | Causes severe skin burns and eye damage. |
| H318 | Causes serious eye damage. |
| H319 | Causes serious eye irritation. |
| H332 | Harmful if inhaled. |
| H412 | Harmful to aquatic life with long lasting effects. |

**CLP categories listed in Chapter 2/3**

| | |
|---|---|
| Acute Tox. 4 | Acute toxicity, Category 4 |
| Aquatic Chronic 3 | Hazardous to the aquatic environment, chronic, Category 3 |
| Eye Dam. 1 | Serious eye damage, Category 1 |
| Eye Irrit. 2 | Eye irritation, Category 2 |
| Met. Corr. 1 | Substance or mixture corrosive to metals, Category 1 |
| Ox. Liq. 1 | Oxidising liquid, Category 1 |
| Skin Corr. 1A | Skin corrosion, Category 1A |

**Abbreviations**

ADR: Accord européen relatif au transport international des marchandises Dangereuses par Route
RID: Règlement concernant le transport international ferroviaire de marchandises dangereuses
IMDG: International Maritime Code for Dangerous Goods
ICAO: International Civil Aviation Organization
IATA: International Air Transport Association
MARPOL 73/78: International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978 (MARPOL: Marine Pollution)
IBC: Intermediate Bulk Container
CAS: Chemical Abstracts Service
TSCA: Toxic Substances Control Act (USA)
VOC: Volatile Organic Compound
LD: Lethal dose
LC: Lethal concentration
PBT: Persistent, Bioaccumulative and Toxic
vPvB: Very persistent and very bioaccumulative
SVHC: Substances of very high concern
IUCLID: International Uniform Chemical Information Database
OECD: Organisation for Economic Co-operation and Development
IMO: International Maritime Organization
WHO: World Health Organization
GHS: Globally Harmonized System of classification and Labelling of Chemicals
REACH: Registration, Evaluation, Autohorisation and Restriction of Chemicals
UN: United Nations

## Supplemental information

Relevant changes compared with the previous version of the safety data sheet are marked with: ***
This information is based on our present state of knowledge. However, it should not constitute a guarantee for any specific product properties and shall not establish a legally valid relationship.