

# doscan RV-O

Version: 1 / GB

Replaces Version: - / GB

Date revised: 19.07.2023

Print date: 13.10.23

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

### 1.1. Product identifier

doscan RV-O

### 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:

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)  
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

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.

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P310

Immediately call a POISON CENTER or doctor.

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  $\geq 10$  < 25 %

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  $\geq 8 < 50$  %

Eye Irrit. 2 H319  $\geq 5 < 8$  %

Ox. Liq. 1 H271  $\geq 70$  %

Ox. Liq. 2 H272  $\geq 50 < 70$  %

Skin Corr. 1A H314  $\geq 70$  %

Skin Corr. 1B H314  $\geq 50 < 70$  %

Skin Irrit. 2 H315  $\geq 35 < 50$  %

STOT SE 3 H335  $\geq 35$  %

Additional remarks:

CLP

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

#### 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.

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## 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

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## 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/m <sup>3</sup>	1	ppm(V)
Short term exposure limit	2.8	mg/m <sup>3</sup>	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	

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Breakthrough time > 480 min  
Use Short-term hand contact  
Appropriate Material nitrile  
Material thickness  $\geq$  0,11 mm  
Hand protection must comply with EN ISO 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** characteristic  
**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 determined

**Upper and lower explosive limits**  
Remarks not determined

**Flash point**  
Remarks Not applicable

**Ignition temperature**  
Remarks Not applicable

**Decomposition temperature**  
Remarks  
Remarks not determined

**pH value**  
Value 2,8  
Concentration/H<sub>2</sub>O 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 1,06 g/cm<sup>3</sup>  
Temperature 20 °C

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## 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 warmth.

### 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

Species	rat		
LD50	>	2000	mg/kg
Method	calculated value (Regulation (EC) No. 1272/2008)		

#### Acute oral toxicity (Components)

##### hydrogen peroxide solution... %

Species	rat		
LD50	418	to	445 mg/kg

#### Acute dermal toxicity

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

#### Acute inhalational toxicity

ATE	73,3333	mg/l
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Administration/Form	Vapors
Method	calculated value (Regulation (EC) No. 1272/2008)
ATE	10 mg/l
Administration/Form	Dust/Mist
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 ( <i>Pimephales promelas</i> )
LC50	16,4 mg/l
Duration of exposure	96 h

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## Daphnia toxicity (Components)

### hydrogen peroxide solution... %

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

## 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	

## 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		

## 12.2. Persistence and degradability

### General information

not determined

## 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 or vPvB substances.

## 12.6 Endocrine disrupting properties

### Endocrine disrupting properties with respect to the environment

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

## 12.7. Other adverse effects



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## 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 of 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	
<b>14.1. UN number or ID number</b>	2984	2984	2984
<b>14.2. UN proper shipping name</b>	HYDROGEN PEROXIDE, AQUEOUS SOLUTION	HYDROGEN PEROXIDE, AQUEOUS SOLUTION	HYDROGEN PEROXIDE, AQUEOUS SOLUTION
<b>14.3. Transport hazard class(es)</b>	5.1	5.1	5.1
Label			
<b>14.4. Packing group</b>	III	III	III
Limited Quantity	5 l	5 l	
Transport category	3		
<b>14.5. Environmental hazards</b>		no	

## Information for all modes of transport

### 14.6. Special precautions for user

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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)

##### 5 % or over but less than 15 %:

oxygen-based bleaching agents

##### less than 5 %:

phosphonates

#### 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)  
Eye Dam. 1 H318

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

H271	May cause fire or explosion; strong oxidizer.
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.
H332	Harmful if inhaled.

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

Acute Tox. 4	Acute toxicity, Category 4
Eye Dam. 1	Serious eye damage, 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

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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.