

# doscan RV 280

Version: 2 / GB

Replaces Version: 1 / GB

Date revised: 18.07.2023

Print date: 19.07.23

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

### 1.1. Product identifier

doscan RV 280

### 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)

Ox. Sol. 3                      H272

Acute Tox. 4                 H302

Eye Dam. 1                 H318

Route of exposure: oral

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

H272                      May intensify fire; oxidizer.  
H302                      Harmful if swallowed.  
H318                      Causes serious eye damage.

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## Precautionary statements

- P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- P220.2 Keep/Store away from combustible materials.
- 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.  
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 sodium carbonate peroxyhydrate

## 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

##### sodium carbonate peroxyhydrate

CAS No. 15630-89-4  
EINECS no. 239-707-6  
Registration no. 01-2119457268-30  
Concentration  $\geq$  50 %  
Classification (Regulation (EC) No. 1272/2008)  
Ox. Sol. 3 H272  
Acute Tox. 4 H302  
Eye Dam. 1 H318

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

Eye Dam. 1 H318  $\geq$  25 %  
Eye Irrit. 2 H319  $\geq$  7,5 < 25 %  
ATE oral 1.034 mg/kg

##### sodium carbonate

CAS No. 497-19-8  
EINECS no. 207-838-8  
Registration no. 01-2119485498-19  
Concentration  $\geq$  1 < 10 %  
Classification (Regulation (EC) No. 1272/2008)  
Eye Irrit. 2 H319

## Other information

Complete text of hazard statements in chapter 16

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### General information

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Remove contaminated clothing immediately and dispose of safely. In any case show the physician the Safety Data Sheet.

## After inhalation

Ensure supply of fresh air. When dust is intensively inhaled, seek medical help immediately.

## After skin contact

Wash off immediately with soap and water. Consult a doctor if skin irritation persists.

## After eye contact

Separate eyelids, wash the eyes thoroughly with water (15 min.). Summon a doctor immediately.

## After ingestion

If swallowed, seek medical advice immediately and show this container or label. Rinse mouth thoroughly with water. Let plenty of water be drunk in small gulps. Do not induce vomiting.

## 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 / hazards

In the case of swallowing with subsequent vomiting, aspiration of the lungs can occur which can lead to chemical pneumonia or asphyxiation.

## 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

In case of combustion evolution of dangerous gases 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.

### 6.2. Environmental precautions

Do not discharge into the drains/surface waters/groundwater. Knock down dust with water spray jet.

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

Pick up mechanically. Dispose of absorbed material in accordance with the regulations.

### 6.4. Reference to other sections

Refer to protective measures listed in Sections 7 and 8.

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## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

#### Advice on safe handling

Avoid the formation and deposition of dust. Keep container tightly closed.

### 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.

#### 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.

### 7.3. Specific end use(s)

no data

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Other information

Contains no substances with occupational exposure limit values.

### 8.2. Exposure controls

#### General protective and hygiene measures

Do not inhale dust/fumes/aerosols. Avoid contact with skin and eyes. Do not eat, drink or smoke during work time. Wash hands before breaks and after work. Clean skin thoroughly after work; apply skin cream.

#### Respiratory protection

Use breathing apparatus in dust-laden atmosphere. Particle filter P2

#### Hand protection

Chemical resistant gloves

Use Permanent hand contact  
Appropriate Material neoprene

Material thickness  $\geq$  0,65 mm

Breakthrough time > 480 min

Appropriate Material butyl

Material thickness  $\geq$  0,7 mm

Breakthrough time > 480 min

Appropriate Material nitrile

Material thickness  $\geq$  0,4 mm

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

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

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

<b>Physical state</b>	solid
<b>Colour</b>	white
<b>Odour</b>	odourless
<b>Melting point</b>	
Remarks	not determined
<b>Freezing point</b>	
Remarks	not determined
<b>Boiling point or initial boiling point and boiling range</b>	
Remarks	not determined
<b>Flammability</b>	
evaluation	not determined
<b>Upper and lower explosive limits</b>	
Remarks	Not applicable
<b>Flash point</b>	
Remarks	Not applicable
<b>Ignition temperature</b>	
Remarks	Not applicable
<b>Decomposition temperature</b>	
Value	> 65 °C
<b>pH value</b>	
Value	appr. 10,5
Concentration/H <sub>2</sub> O	1 %
Temperature	20 °C
<b>Viscosity</b>	
Remarks	Not applicable
<b>Solubility(ies)</b>	
Remarks	not determined
<b>Partition coefficient n-octanol/water (log value)</b>	
Remarks	not determined
<b>Vapour pressure</b>	
Remarks	not determined
<b>Density and/or relative density</b>	
Remarks	not determined
<b>Relative vapour density</b>	
Remarks	not determined
<b>9.2. Other information</b>	
<b>Odour threshold</b>	
Remarks	not determined
<b>Evaporation rate (ether = 1) :</b>	
Remarks	not determined
<b>Solubility in water</b>	

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Remarks	soluble		
<b>Explosive properties</b>			
evaluation	not determined		
<b>Oxidising properties</b>			
evaluation	oxidizing		
<b>Bulk density</b>			
Value	appr. 900		kg/m <sup>3</sup>
<b>Other information</b>			
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

No hazardous reactions known.

### 10.3. Possibility of hazardous reactions

No hazardous reactions known.

### 10.4. Conditions to avoid

Protect from heat and direct sunlight.

### 10.5. Incompatible materials

Acids, Reducing agents

### 10.6. Hazardous decomposition products

No hazardous decomposition products known.

## SECTION 11: Toxicological information

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

#### Acute oral toxicity

ATE	1.175	mg/kg
Method	calculated value (Regulation (EC) No. 1272/2008)	
Remarks	The classification criteria are met.	

#### Acute oral toxicity (Components)

##### sodium carbonate peroxyhydrate

Species	rat	
LD50	1034	mg/kg
Method	Value taken from the literature	

##### sodium carbonate

Species	rat	
LD50	2800	mg/kg

#### Acute dermal toxicity

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

#### Acute dermal toxicity (Components)

##### sodium carbonate peroxyhydrate

Species	rabbit	
LD50	> 2000	mg/kg
Method	OECD 402	

##### sodium carbonate

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Species	rabbit		
LD50	>	2000	mg/kg

## Acute inhalational toxicity

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

## Acute inhalative toxicity (Components)

### sodium carbonate

Species	mouse		
LC50		1,2	mg/l
Duration of exposure		2	h

### sodium carbonate

Species	rat		
LC50		2,3	mg/l
Duration of exposure		2	h

## Skin corrosion/irritation

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

## Skin corrosion/irritation (Components)

### sodium carbonate peroxyhydrate

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

## Serious eye damage/irritation

evaluation	corrosive
Remarks	The classification criteria are met.

## Serious eye damage/irritation (Components)

### sodium carbonate peroxyhydrate

Species	rabbit eye
evaluation	irritant - risk of serious damage to eyes
Method	OECD 405

## Sensitization

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

## Sensitization (Components)

### sodium carbonate peroxyhydrate

Route of exposure	dermal
Species	guinea pig
evaluation	non-sensitizing
Method	OECD 406

## 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.

## Reproduction toxicity (Components)

### sodium carbonate

Remarks No indications of toxic effects were observed in reproduction studies in animals.

## Carcinogenicity

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

## Specific Target Organ Toxicity (STOT)

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## 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 of dusts may irritate 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)

##### sodium carbonate peroxyhydrate

Species	Fathead minnow ( <i>Pimephales promelas</i> )		
LC50	70,7		mg/l
Duration of exposure	96	h	

##### sodium carbonate

Species	Bluegill ( <i>Lepomis macrochirus</i> )		
LC50	300		mg/l
Duration of exposure	96	h	

#### Daphnia toxicity (Components)

##### sodium carbonate peroxyhydrate

Species	Daphnia pulex		
EC50	4,9		mg/l
Duration of exposure	48	h	

##### sodium carbonate peroxyhydrate

Species	Daphnia pulex		
NOEC	2		mg/l
Duration of exposure	48	h	

##### sodium carbonate

Species	Ceriodaphnia spec		
EC50	200	to	227 mg/l
Duration of exposure	48	h	

#### Bacteria toxicity (Components)

##### sodium carbonate peroxyhydrate

Species	activated sludge		
EC50	466		mg/l
Duration of exposure	30	min	

### 12.2. Persistence and degradability



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## 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

### 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 environment

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.

## 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




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	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	3378	3378	3378
14.2. UN proper shipping name	SODIUM CARBONATE PEROXYHYDRATE	SODIUM CARBONATE PEROXYHYDRATE	SODIUM CARBONATE PEROXYHYDRATE
14.3. Transport hazard class(es)	5.1	5.1	5.1
Label			
14.4. Packing group	III	III	III
Limited Quantity	5 kg	5 kg	
Transport category	3		
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)

30 % and more:

oxygen-based bleaching agents

#### VOC

VOC (EU) 0 %

#### Other information

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

### 15.2. Chemical safety assessment

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

## SECTION 16: Other information

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

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

Ox. Sol. 3	H272	On basis of test data
Acute Tox. 4	H302	On basis of test data
Eye Dam. 1	H318	On basis of test data

## Hazard statements listed in Chapter 2/3

H272	May intensify fire; oxidizer.
H302	Harmful if swallowed.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.

## CLP categories listed in Chapter 2/3

Acute Tox. 4	Acute toxicity, Category 4
Eye Dam. 1	Serious eye damage, Category 1
Eye Irrit. 2	Eye irritation, Category 2
Ox. Sol. 3	Oxidising solid, Category 3

## 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  
IATA: International Air Transport Association  
ICAO: International Civil Aviation Organization  
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

## 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.