doscan F 85

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

1.1. Product identifier

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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

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)

Met. Corr. 1	H290
Skin Corr. 1B	H314
Eye Dam. 1	H318
Aquatic Chronic 3	H412

*
*
*

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

H290	May be corrosive to metals.
H314	Causes severe skin burns and eye damage.
H412	Harmful to aquatic life with long lasting effects.

Precautionary statements ***

P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
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 *** dimethyldioctylammonium chloride; phosphoric acid

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 ***

phosphoric acid

CAS No.	7664-38-2				
EINECS no.	231-633-2				
Registration no.	01-2119485924-24				
Concentration	>=	25	<	50	%

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

Met. Corr. 1	H290
Skin Corr. 1B	H314
Eye Dam. 1	H318

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

Eye Irrit. 2	H319	>= 10 < 25 %
Skin Corr. 1B	H314	>= 25 %
Skin Irrit. 2	H315	>= 10 < 25 %

Additional remarks:

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

propan-2-ol

CAS No.	67-63-0				
EINECS no.	200-661-7				
Registration no.	01-2119457558-25				
Concentration	>=	1	<	3	%

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

Flam. Liq. 2	H225
Eye Irrit. 2	H319
STOT SE 3	H336

N-(2-ethylhexyl)isononan-1-amide

CAS No.	1700656-13-8				
EINECS no.	810-288-7				
Registration no.	01-2119984313-35				
Concentration	>=	1	<	10	%

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

Aquatic Acute 1	H400
Aquatic Chronic 2	H411

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

dimethyldioctylammonium chloride

CAS No.	5538-94-3				
EINECS no.	226-901-0				
Registration no.	01-2120767055-53				
Concentration	>=	1	<	2,5	%

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

Acute Tox. 3	H301	Route of exposure: oral
Acute Tox. 2	H310	Route of exposure: dermal
Skin Corr. 1B	H314	
Eye Dam. 1	H318	
Aquatic Acute 1	H400	
Aquatic Chronic 1	H410	

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

Aquatic Acute 1		M = 10	
ATE	oral	720	mg/kg
cATpE	dermal	50	mg/kg

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. Take medical treatment.

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

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

Extinguishing measures to suit surroundings

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. 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

Pick up with absorbent material. 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.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

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

Advice on protection against fire and explosion

The product is not combustible.

7.2. Conditions for safe storage, including any incompatibilities

Recommended storage temperature

Value	>	-20	<	30 °C

Requirements for storage rooms and vessels

Keep in original packaging, tightly closed. Storage rooms must be properly ventilated. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Storage classes

Storage class according to TRGS 510	8B	Non-combustible corrosive hazardous substances

7.3. Specific end use(s)

no data

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limit values

propan-2-ol

List	EH40			
Type	WEL			
Value	999	mg/m³	400	ppm(V)
Short term exposure limit	1250	mg/m³	500	ppm(V)

phosphoric acid … %

List	EH40	
Type	WEL	
Value	1	mg/m³
Short term exposure limit	2	mg/m³

phosphoric acid … %

List	IOELV	
Type	IOELV	
Value	1	mg/m³
Short term exposure limit	2	mg/m³

Other information

There are not known any further control parameters.

8.2. Exposure controls

General protective and hygiene measures

Hold eye wash fountain available. Hold emergency shower 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. Clean skin thoroughly after work; apply skin cream.

Respiratory protection

If workplace limits are exceeded, a respiratory protection approved for this particular job must be worn. Particle filter P2

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. Protective shoes

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	liquid
Colour	brownish, clear
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 applicable

Upper and lower explosive limits

Remarks	Not applicable

Flash point

Remarks	Not applicable

Auto-ignition temperature

Remarks	not determined

Decomposition temperature

Remarks	
Remarks	not determined

pH value

Value	<	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	1,27		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 None known

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

No hazardous reactions known.

10.3. Possibility of hazardous reactions

No hazardous reactions known.

10.4. Conditions to avoid

No hazardous reactions known.

10.5. Incompatible materials

Reactions with metals, with evolution of hydrogen. Reactions with alkalies.

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	>	2000	mg/kg
Method	calculated value (Regulation (EC) No. 1272/2008)		
Remarks	Based on available data, the classification criteria are not met.		

Acute oral toxicity (Components)

dimethyldioctylammonium chloride

Species	rat	
LD50	720	mg/kg

propan-2-ol

Species	rat	
LD50	5840	mg/kg
Method	OECD 401	

phosphoric acid ... %

Species	rat		
LD50		2600	mg/kg

Acute dermal toxicity (Components)

propan-2-ol

Species	rabbit		
LD50		13900	mg/kg
Method	OECD 402		

phosphoric acid … %

Species	rabbit		
LD50		2740	mg/kg

Acute inhalational toxicity

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

Acute inhalative toxicity (Components)

propan-2-ol

Species	rat			
LC50	>	25		mg/l
Duration of exposure		6	h	
Administration/Form	Vapors			
Method	OECD 403			

Skin corrosion/irritation

evaluation: corrosive
Remarks: The classification criteria are 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)

dimethyldioctylammonium chloride

Species	rainbow trout (Oncorhynchus mykiss)			
LC50	0,35			mg/l
Duration of exposure	96	h		

propan-2-ol

Species	Fathead minnow (Pimephales promelas)			
LC50	9640			mg/l
Duration of exposure	96	h		

phosphoric acid … %

Species	mosquito fish			
LC50	138			mg/l
Duration of exposure	96	h		

N-(2-ethylhexyl)isononan-1-amide

Species	zebra fish (Brachydanio rerio)			
LC50	> 1000			mg/l
Duration of exposure	96	h		
Method	OECD 203			

Daphnia toxicity (Components)

dimethyldioctylammonium chloride

Species	Daphnia magna			
EC50	0,01	to	0,1	mg/l
Duration of exposure	48	h		

propan-2-ol

Species	Daphnia magna			
LC50	appr. 10000			mg/l
Duration of exposure	48	h		

phosphoric acid … %

Species	Daphnia magna			
EC50	> 100			mg/l
Duration of exposure	48	h		
Method	OECD 202			

N-(2-ethylhexyl)isononan-1-amide

Species	Daphnia magna			
EC50	0,475			mg/l
Duration of exposure	48	h		
Method	OECD 202			

Algae toxicity (Components)

dimethyldioctylammonium chloride

ErC50	0,01	to	0,1	mg/l
Duration of exposure	72	h		

propan-2-ol

Species	Scenedesmus subspicatus

IC50	>	1000	mg/l
Duration of exposure		72 h	

phosphoric acid … %

Species	Scenedesmus subspicatus		
EC50	>	100	mg/l
Duration of exposure		72 h	
Method	OECD 201		

N-(2-ethylhexyl)isononan-1-amide

Species	Scenedesmus subspicatus		
EC50		0,962	mg/l
Duration of exposure		72 h	
Method	OECD 201		

Bacteria toxicity (Components)

propan-2-ol

Species	activated sludge		
EC50	>	100	mg/l

N-(2-ethylhexyl)isononan-1-amide

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

12.2. Persistence and degradability

General information

not determined

Biodegradability (Components)

dimethyldioctylammonium chloride

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

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Do not discharge product unmonitored into the environment.

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		1 Acids	
14.1. UN number or ID number	1760	1760	1760
14.2. UN proper shipping name	CORROSIVE LIQUID, N.O.S. (phosphoric acid, dimethyldioctylammonium chloride)	CORROSIVE LIQUID, N.O.S. (phosphoric acid, dimethyldioctylammonium chloride)	CORROSIVE LIQUID, N.O.S. (phosphoric acid, dimethyldioctylammonium chloride)
14.3. Transport hazard class(es)	8	8	8
Label			
14.4. Packing group	III	III	III
Limited Quantity	5 l	5 l	
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:

phosphates

5 % or over but less than 15 %:

non-ionic surfactants

less than 5 %:

phosphonates, cationic surfactants

VOC

VOC (EU) 0 %

Other regulations, restrictions and prohibition regulations

Observe employment restrictions for young people.

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

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

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

Met. Corr. 1	H290	Expert judgement
Skin Corr. 1B	H314	Calculation method
Eye Dam. 1	H318	Calculation method
Aquatic Chronic 3	H412	Calculation method

Hazard statements listed in Chapter 2/3

H225	Highly flammable liquid and vapour.
H290	May be corrosive to metals.
H301	Toxic if swallowed.
H310	Fatal in contact with skin.
H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

CLP categories listed in Chapter 2/3

Acute Tox. 2	Acute toxicity, Category 2
Acute Tox. 3	Acute toxicity, Category 3
Aquatic Acute 1	Hazardous to the aquatic environment, acute, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment, chronic, Category 1
Aquatic Chronic 2	Hazardous to the aquatic environment, chronic, Category 2
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
Flam. Liq. 2	Flammable liquid, Category 2
Met. Corr. 1	Substance or mixture corrosive to metals, Category 1
Skin Corr. 1B	Skin corrosion, Category 1B
STOT SE 3	Specific target organ toxicity - single exposure, 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
ICAO: International Civil Aviation Organization
IATA: International Air Transport Association
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

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
ISO: International Organization for Standardization
OEL: Occupational exposure limit
OECD: Organisation for Economic Co-operation and Development
UN: United Nations
IMO: International Maritime Organization

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.