

Safety Data Sheet

according to Regulation (EC) No 1907/2006



ORKAN

Compilation date: 24.10.2017
Revision date: 15.12.2017

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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

Use of the substance/mixture

PC35: Washing and cleaning products (including solvent based products).

1.3 Details of the supplier of the safety data sheet

Company name: Arcora International GmbH
Street: Marsstraße 9
Place: 85609 Aschheim by Munich
Germany
Tel: +49 (0)89 / 14 33 29 3-0
Fax: +49 (0)89 / 14 33 29 3-29
E-Mail: info@arcora.de

1.4 Emergency telephone number + 49 (0) 89 / 14 33 29 3-10

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Regulation (EC) No. 1272/2008 [CLP]

Hazard categories:
Flam. Liq. 3: H226
Hazard Statements:
Flammable liquid and vapour.

2.2 Label elements

Signal word: Warning
Pictograms: GHS02



Hazard statements

H226 Flammable liquid and vapour.

Precautionary statements

P102 Keep out of reach of children.
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P211 Do not spray on an open flame or other ignition source.
P243 Take precautionary measures against static discharge.

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P280 Wear protective gloves/protective clothing/eye protection/face protection.
P303+361+353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.
P370+378 In case of fire: Use carbon dioxide to extinguish.
P403+235 Store in a well-ventilated place. Keep cool.
P501 Dispose of contents to in accordance with all local, regional, national and international regulations.

2.3 Other hazards

In use, may form flammable / explosive vapour-air mixture.
This product is not identified as a PBT/vPvB substance.

SECTION 3: Composition/information on ingredients

3.1 Mixtures

Hazardous components

EINECS	Chemical name	Anteil
CAS-No.		
Index-No.	Classification according to Regulation (EC) No. 1272/2008 [CLP]	
REACH-No.		
200-578-6	Ethanol	30 – 50 %
64-17-5		
	Flam. Liq. 2: H225	

Full text of H and EUH statements: see section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

After inhalation

Provide fresh air.

After contact with skin

After contact with skin, wash immediately with plenty of water and soap.
Take off contaminated clothing and wash it before reuse.

After contact with eyes

Rinse immediately carefully and thoroughly with eye-bath or water.

After ingestion

Rinse mouth immediately and drink plenty of water.
Do NOT induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed

Inhalation

There may be irritation of the throat with a feeling of tightness in the chest.
Exposure may cause coughing or wheezing.

Skin contact

There may be irritation and redness at the site of contact.

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SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling

Avoid contact with skin, eyes and clothes.
Do not mix with other chemicals.
Wear personal protection equipment (refer to section 8).
When using do not eat, drink or smoke.
Use only in well-ventilated areas.
Do not breathe gas/fumes/vapour/spray.

Advice on protection against fire and explosion

No special fire protection measures are necessary.

7.2 Conditions for safe storage, including any incompatibilities

Storage conditions

Store in a cool, well ventilated area. Keep container tightly closed. Keep away from sources of ignition. Prevent the build up of electrostatic charge in the immediate area. Ensure lighting and electrical equipment are not a source of ignition.

Suitable packaging

Must only be kept in original packaging.

7.3 Specific end uses

No data available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Hazardous components: Ethanol

Exposure limits

breathable dust

	8 St. AGW	Peaks	8 St. AGW	Peaks
DE	500 mg/m ³ , 960 mg/m ³			

8.2 Exposure controls

Engineering measures

Ensure there is sufficient ventilation of the area. Ensure lighting and electrical equipment are not a source of ignition.

Eye protection

Safety glasses with side shields.

Hand protection

When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits
Suitable material: NBR (Nitrile rubber).
Breakthrough time (maximum wearing time) >480 min

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Respiratory protection

Self-contained breathing apparatus must be available in case of emergency.

Skin protection

Protective clothing.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state: liquid
Colour: colourless
Odour: aromatic

pH-value (at 20 °C): 9

Test method

Changes in the physical state

Melting point: not determined
Initial boiling point and boiling range: > 35 °C
Flash point: 60-93 °C

Flammability

Solid: not applicable
Gas: not applicable
Lower explosion limits: not determined
Upper explosion limits: not determined

Auto-ignition temperature

Solid: not applicable
Gas: not applicable
Decomposition temperature: not determined

Oxidizing properties

Not oxidising.

Vapour pressure: not determined
Density (at 20 °C): 0,82 g/cm³
Water solubility: completely miscible

Solubility in other solvents

not determined

Partition coefficient: not determine
Dyn. Viscosity (at 20 °C): not viscous
Vapour density: not determined
Evaporation rate: slow

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9.2 Other information

Solid content: not determined

SECTION 10: Stability and reactivity

10.1 Reactivity

Stable under recommended transport or storage conditions.

10.2 Chemical stability

Stable under normal conditions. Stable at room temperature.

10.3 Possibility of hazardous reactions

Hazardous reactions will not occur under normal transport or storage conditions. Decomposition may occur on exposure to conditions or materials listed below.

10.4 Conditions to avoid

Heat. Hot surfaces. Sources of ignition. Flames.

10.5 Incompatible materials

Strong oxidising agents. Strong acids.

10.6 Hazardous decomposition products

In combustion emits toxic fumes.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Ethanol

IVN	RAT	LD50	1440	mg/kg
ORL	MUS	LD50	3450	
ORL	RAT	LD50	7060	mg/kg

Symptoms / routes of exposure

Inhalation

There may be irritation of the throat with a feeling of tightness in the chest. Exposure may cause coughing or wheezing.

Skin contact

There may be irritation and redness at the site of contact.

Eye contact

There may be irritation and redness. The eyes may water profusely.

Ingestion

There may be soreness and redness of the mouth and throat.

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SECTION 12: Ecological information

12.1 Toxicity

Hazardous ingredients

CAS-No.	Chemical name					
	Aquatic toxicity	Method	Dose	[h] [d]	Species	Source
	Ethanol					
	Acute fish toxicity	LC50	8150 mg/l	48 h	Leuciscius idus melanotus	
	Acute crustaceotoxicity	EC50	9268-14221 mg/l	48 h	Daphnia magna (Big water flea)	

12.2 Persistence and degradability

Biodegradable.

12.3 Bioaccumulative potential

No bioaccumulation potential.

12.4 Mobility in soil

Soluble in water.

12.5 Results of PBT and vPvB assessment

This product is not identified as a PBT/vPvB substance.

12.6 Other adverse effects

No data available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Disposal operations

Transfer to a suitable container and arrange for collection by specialised disposal company.

Waste code number

200129 Detergents containing dangerous substances

Disposal of packaging

Dispose of as normal industrial waste.

Note

The user's attention is drawn to the possible existence of regional or national regulations regarding disposal

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SECTION 14: Transport information

14.1 UN-number UN1993

14.2 UN proper shipping name

FLAMMABLE LIQUID, N.O.S. (Ethanol)

14.3 Transport hazard class(es)

Transport class: 3

14.4 Packing group

Packing group: III

14.5 Environmental hazards

Environmentally hazardous: no

Marine pollutant: no

14.6 Special precautions for user

Special precautions: No special precautions.

Tunnel code: D/E

Transport category: 3

SECTION 15: Regulatory information

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

National regulatory information

Water contaminating class (D): 1 - water contaminating

SECTION 16: Other information

Abbreviations and acronyms

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service

LC50: Lethal concentration, 50%

LD50: Lethal dose, 50%

Process categories according to ECHA guidance on information requirements and chemical safety assessment, chapter R.12:

PROC 1: Use in closed processes.

PROC 8 Dilution of concentrated products, application of drain cleaners, dosage of textile washing agents.

PROC 10 (Roller application or brushing): Processing without large-scale spraying.

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PROC 11 ((Spraying outside industrial settings): Processing with large-scale spraying (e. g. high pressure cleaning, foam gun).

PROC 19 (Hand-mixing with intimate contact): Hand cleaning and disinfection.

Relevant H and EUH statements (number and full text)

H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.

Further Information

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.