

Safety Data Sheet

according to Regulation (EC) No 1907/2006



SO-KLAR

Compilation date: 20.10.2017
Revision date: 13.08.2021

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

1.1 Product identifier

SO-KLAR

UFI: S7PJ-QPJ4-AX47-DN7F

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

1.3 Details of the supplier of the safety data sheet

Company name: Arcora International GmbH
Street: Marsstraße 9
Place: D-85609 Aschheim by Munich
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

Poison control centre of the Charité – Universitätsmedizin
Berlin -24H- Tel.: 030 30686700

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

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

The mixture is not classified as dangerous according to Regulation (EC) No 1272/2008.

2.2 Label elements

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

Special labelling of certain mixtures

EUH210 Safety data sheet available on request.

2.3 Other hazards

No information available.

SECTION 3: Composition/information on ingredients

3.1 Mixtures

CAS-no.	Chemical name			Proportion
	EG-no.	Index-no.	REACH-no.	
	GHS- Classification			
64-17-5	Ethanol; Ethylalkohol			5 - < 10 %
	200-578-6	603-002-00-5		
	Flam. Liq. 2, Eye Irrit. 2; H225 H319			

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

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SECTION 4: First aid measures

4.1 Description of first aid measures

After inhalation

Provide fresh air.

After skin contact

Wash off with plenty of water. Remove contaminated clothing and wash before wearing again.

After eye contact

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

After ingestion

In case of vomiting, note risk of aspiration. @0401.B040030

4.2 Most important symptoms and effects, both acute and delayed

No information available.

4.3 Indications for immediate medical help or special treatment

Treat symptomatically

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Adapt extinguishing measures to the surroundings.

5.2 Special hazards arising from the substance or mixture

Not flammable.

5.3 Advice for firefighters

In case of fire: Wear self-contained breathing apparatus.

Additional information

Collect contaminated extinguishing water separately. Do not allow to enter drains or watercourses.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Use personal protection equipment.

6.2 Environmental precautions

Do not allow to enter drains or water courses.

6.3 Methods and material for containment and cleaning up

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders). Treat the absorbed material according to the section Disposal.

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6.4 Reference to other sections

Safe handling: see section 7

Personal protective equipment: see section 8

Disposal: see section 13

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling

No special precautions required.

Advice on protection against fire and explosion

No special precautions required.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep container tightly closed.

Information on storage in one place

No special precautions required

Storage class according to TRGS 510:

10 (Flammable liquids that cannot be assigned to any of the aforementioned LGK.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Exposure limits (TRGS 900)

CAS-no.	Chemical name	ppm	mg/m ³	F/m ³	Peak limit	Child
64-17-5	Ethanol	200	380		4(II)	

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DNEL/DMEL values

CAS-no.	Chemical name			
DNEL Type		Exposure route	effect	value
64-17-5	Ethanol; Ethylalkohol			
Consumer DNEL, long time		oral	systemic	87 mg/kg KG/d
Employee DNEL, long time		dermal	systemic	343 mg/kg KG/d
Consumer DNEL, long time		dermal	systemic	206 mg/kg KG/d
Employee DNEL, long time		inhalative	systemic	950 mg/m ³
Verbraucher DNEL, long time		inhalative	systemic	114 mg/m ³

PNEC-values

CAS-no.	Chemical name		
Environmental compartment			value
64-17-5	Ethanol; Ethylalkohol		
freshwater			0,96 mg/l
freshwater (intermittent release)			2,75 mg/l
seawater			0,79 mg/l
Freshwater sediment			3,6 mg/kg
seawater sediment			2,9 mg/kg
Microorganisms in sewage treatment plants			580 mg/l
soil			0,63 mg/kg

8.2 Exposure controls

Protective and hygiene measures

Remove contaminated clothing. Wash hands before breaks and at the end of work. Do not eat, drink or smoke at the workplace.

Eye/face protection

Wear eye protection/face protection.

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Hand protection

When handling chemical agents, only chemical protective gloves with a CE mark including a four-digit test number may be worn. The design of chemical protective gloves must be selected specifically for the workplace, depending on the concentration and quantity of hazardous substances. It is recommended to clarify the chemical resistance of the above-mentioned protective gloves for special applications with the glove manufacturer.

Skin protection

@1501.B151149.

Respiratory protection

Wear respiratory protection in case of insufficient ventilation.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state:	liquid	
Colour:	blue	
Odour:	fresh	
pH-value (at 20 °C):		10,5

Changes in the physical state

Melting point:	not determined.
Initial boiling point and boiling range:	100 °C
Flash point:	100 °C

Flammability

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

Explosion hazards

The product is not: Explosive.

Lower explosion limits:	not determined
Upper explosion limits:	not determined

Auto-ignition temperature

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

Oxidising properties

Not oxidising.

Vapour pressure:	not determined
Density (at 20 °C):	1 g/cm ³
Solubility in water:	slightly soluble

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Solubility in other solvents

Not determined

Partition coefficient:	not determined
Dyn. Viscosity:	11.2 mm ² /s
Vapour density:	not determined
Evaporation rate:	not determined
Solvent content:	5.00 %

9.2 Other information

Solid content: not determined

SECTION 10: Stability and reactivity

10.1 Reactivity

No hazardous reactions occur if handled and stored as intended.

10.2 Chemical stability

The product is stable when stored at normal ambient temperatures.

10.3 Possibility of hazardous reactions

No dangerous reactions are known.

10.4 Conditions to avoid

There is no information available.

10.5 Incompatible materials

No dangerous decomposition products are known.

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SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

CAS-no.	Chemical name				
	Exposure route	Dose	Species	Source	Method
64-17-5	Ethanol; Ethylalkohol				
	oral	LD50 6200 mg/kg	rat	IUCLID	
	inhalative (4 h) vapour	LC50 95,6 mg/l	rat	RTECS	

Other information on examinations

The mixture is not classified as dangerous according to Regulation (EC) No 1272/2008 [CLP].

SECTION 12: Ecological information

12.1 Toxicity

The product is not: Ecotoxic.

CAS-no.	Chemical name					
	Aquatic toxicity	Dose	[h] [d]	Species	Source	Method
64-17-5	Ethanol; Ethylalkohol					
	Acute crustacean toxicity	EC50 9268 – 14221 mg/l	48 h	Daphnia magna	IUCLID	

12.2 Persistence and degradability

The product has not been tested.

12.3 Bioaccumulative potential

The product has not been tested.

Partition coefficient n-octanol/water

CAS-no.	Chemical name	Log Pow
64-17-5	Ethanol; Ethylalkoho	-0,31

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12.4 Mobility in soil

The product has not been tested.

12.5 Results of PBT and vPvB assessment

The product has not been tested.

12.6 Other adverse effects

No information available.

Further notes

Avoid release into the environment.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Recommendation for disposal

Do not allow to enter drains or water courses. Dispose of in accordance with official regulations.

Disposal of uncleaned packaging and recommended cleaning agents

Wash off with plenty of water. Completely emptied packaging can be recycled.
recycled.

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SECTION 14: Transport information

Land transport (ADR/RID)

14.1 UN-number: Not a dangerous good in the sense of these transport regulations.

14.2 proper Not a dangerous good in the sense of these transport regulations.

UN shipping name:

14.3 transport hazard class: Not a dangerous good in the sense of these transport regulations.

14.4 Packing group: Not a dangerous good in the sense of these transport regulations.

Inland waterways transport (ADN)

14.1 UN-number: Not a dangerous good in the sense of these transport regulations.

14.2 proper Not a dangerous good in the sense of these transport regulations.

UN shipping name:

14.3 transport hazard class: Not a dangerous good in the sense of these transport regulations.

14.4 Packing group: Not a dangerous good in the sense of these transport regulations.

Marine transport (IMDG)

14.1 UN-number: Not a dangerous good in the sense of these transport regulations.

14.2 proper Not a dangerous good in the sense of these transport regulations.

UN shipping name:

14.3 transport hazard class: Not a dangerous good in the sense of these transport regulations.

14.4 Packing group: Not a dangerous good in the sense of these transport regulations.

Air transport (ICAO)

14.1 UN-number: Not a dangerous good in the sense of these transport regulations.

14.2 proper Not a dangerous good in the sense of these transport regulations.

UN shipping name:

14.3 transport hazard class: Not a dangerous good in the sense of these transport regulations.

14.4 Packing group: Not a dangerous good in the sense of these transport regulations.

14.5 Special precautions for user

Not a dangerous good in the sense of these transport regulations.

14.6 Carriage in bulk in accordance with Annex II of MARPOL 73/78 and the IBC Code

Not a dangerous good in the sense of these transport regulations.

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SECTION 15: Regulatory information

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

EU regulatory information

Restrictions on use (REACH, Annex XVII):

Entry 3: Ethanol; ethyl alcohol

Information on IE Directive 2010/75/EU (VOC): 5.428 % (54.275 g/l)

VOC Directive data 2004/42/EC: 5,428 %

Information on the SEVESO III Directive 2012/18/EU: Not subject to the SEVESO III Directive

Additional information

Regulation (EC) No. 648/2004 (Detergents regulation)

National regulatory information

Water hazard class:

1 - slightly hazardous for water

Status:

Classification of mixtures according to Annex 1, No. 5 AwSV

15.2 Chemical safety assessment

Chemical safety assessments for substances in this mixture have not been carried out.

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%

LL50: Lethal loading, 50%

EL50: Effect loading, 50%

EC50: Effective Concentration 50%

ErC50: Effective Concentration 50%, growth rate

NOEC: No Observed Effect Concentration

BCF: Bio-concentration factor

PBT: persistent, bioaccumulative, toxic

vPvB: very persistent, very bioaccumulative

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

RID: Regulations concerning the international carriage of dangerous goods by rail

ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways

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(Accord européen relatif au transport international des marchandises dangereuses par voies de navigation intérieures) IMDG: International Maritime Code for Dangerous Goods
EmS: Emergency Schedules
MFAG: Medical First Aid Guide
IATA: International Air Transport Association
ICAO: International Civil Aviation Organization
MARPOL: International Convention for the Prevention of Marine Pollution from Ships
IBC: Intermediate Bulk Container
VOC: Volatile Organic Compounds
SVHC: Substance of Very High Concern
Abbreviations and acronyms see list at <http://abk.esdscom.eu>

Relevant H and EUH statements (number and full text)

H225	Highly flammable liquid and vapour.
H319	Causes severe eye irritation.
EUH210	Safety data sheet available on request.

Further Information

The information is based on the current state of our knowledge, but does not constitute a guarantee of product properties and does not establish a contractual legal relationship. Existing laws and regulations must be observed by the recipient of our products at his own responsibility.

(The data of the hazardous ingredients were taken from the latest safety data sheet of the supplier.)