

Safety Data Sheet

according to Regulation (EC) No 1907/2006



ESSIGREINIGER

Compilation date: 07.05.2015
Revision date: 20.09.2021

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

1.1 Product identifier

Essigreiniger

UFI: TRA3-Y95T-85HW-3Q14

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
Telefon: +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: Potential hazards

2.1 Classification of the substance or mixture

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

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

2.2 Label elements

Regulation (EC) No. 1272/2008

Safety instructions

P280 Protective gloves/protective clothing/eye protection/face protection/
Wear hearing protection
P302+P352 IF ON SKIN: Wash with plenty of water.

2.3 Other hazards

There is no information available.

SECTION 3: Composition / information on ingredients

3.1 Mixtures

Hazardous ingredients

CAS-No.	Chemical name			Proportion
	EC-No.	Index-No.	REACH-No.	
	GHS-Classification			
64-19-7	Acetic acid 60%			5 - < 10 %
	200-580-7			
	Flam. Liq. 3, Skin Corr. 1A; H226 H314			

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55965-84-9	Mixture of: 5-chloro-2-methyl-2H-isothiazol-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)	< 0,1 %
	-	
	Acute Tox. 2, Acute Tox. 2, Acute Tox. 3, Skin Corr. 1C, Eye Dam. 1, Skin Sens. 1A, Aquatic Acute 1, Aquatic Chronic 1; H330 H310 H301 H314 H318 H317 H400 H410 EUH071	

Wording of H- and EUH-phrases: see section 16.

Specific concentration limits, M-factors and ATE

CAS-No.	EC-No.	Chemical name	Anteil
		Specific concentration limits, M-factors and ATE	
64-19-7	200-580-7	Acetic acid 60%	5 - < 10 %
		inhalation: LC50 = > 16 mg/l (vapours); oral: LD50 = 3310 mg/kg Skin Corr. 1A; H314: >= 90 - 100 Skin Corr. 1B; H314: >= 25 - < 90 Skin Irrit. 2; H315: >= 10 - < 25 Eye Irrit. 2; H319: >= 10 - < 25	
55965-84-9	-	Mixture of: 5-chloro-2-methyl-2H-isothiazol-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)	< 0,1 %
		inhalation: ATE = 0.5 mg/l (vapours); inhalation: ATE = 0.05 mg/l (dusts or mists); dermal: LD50 = 141 mg/kg; oral: LD50 = 64 - 66 mg/kg Skin Corr. 1C; H314: >= 0.6 - 100 Skin Irrit. 2; H315: >= 0.06 - < 0.6 Eye Dam. 1; H318: >= 0.6 - 100 Eye Irrit. 2; H319: >= 0.06 - < 0.6 Skin Sens. 1A; H317: >= 0.0015 - 100	

Labeling of ingredients according to Regulation (EC) No. 648/2004

< 5 % nonionic surfactants, < 5 % cationic surfactants.

SECTION 4: First aid measures

4.1 Description of the 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

Immediately rinse carefully and thoroughly with eye wash or with water.

After ingestion

Immediately rinse mouth and top up with 1 glass of water.

4.2. Most important symptoms and effects, both acute and delayed

There is no information available.

4.3. Indications for immediate medical help or special treatment

Symptomatic treatment.

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SECTION 5: Fire fighting measures

5.1 Extinguishing agent

Suitable extinguishing agents

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 hints

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

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and procedures to be used in case of emergency

Use personal protective equipment.

6.2 Environmental protection measures

Do not allow to enter drains or water courses.

6.3 Methods and material for retention and cleaning

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

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 Protective measures for safe handling

Notes on safe handling

No special precautions required.

Notes on fire and explosion protection

No special fire protection measures required.

7.2 Conditions for safe storage taking into account incompatibilities

Requirements for storage rooms and containers

Keep container tightly closed.

Storage together instructions

No special precautions required.

Storage class according to TRGS 510:

10 (Flammable liquids that cannot be assigned to any of the above LGK)

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SECTION 8: Exposure controls/personal protective equipment

8.1 Parameters to be monitored

Occupational exposure limits (TRGS 900)

CAS-No.	Chemical name	ppm	mg/m ³	F/m ³	Tip gr.	Type
64-19-7	Acetic acid	10	25		2(l)	

DNEL-/DMEL-values

CAS-No.	Chemical name	Exposure route	Effect	Value
64-19-7	Acetic acid 60%			
Worker DNEL, acute		inhalative	local	25 mg/m ³
Workers DNEL, long term		inhalative	local	25 mg/m ³
Consumer DNEL, acute		inhalative	local	25 mg/m ³
Consumer DNEL, long-term		inhalative	local	25 mg/m ³

PNEC-values

CAS-No.	Chemical name	value
64-19-7	Acetic acid 60%	
Freshwater		3,058 mg/l
Fresh water (intermittent release)		30,58 mg/l
Seawater		0,306 mg/l
Freshwater sediment		11,36 mg/kg
Marine sediment		1,136 mg/kg
Soil		0,47 mg/kg

8.2 Exposure controls and monitoring

Protection and hygiene measures

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

Eye/face protection

Wear eye/face protection.

Hand protection

When handling chemical substances, 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.

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Body protection

Use of protective clothing.

Breathing 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:	red	
Odour:	characteristic	
pH-value (at 20 °C):		3

Changes of state

Melting point:	not determined
Boiling point or start of boiling and	not determined
Boiling range:	
Flash point:	not determined

Flammability

Solid:	not applicable
Gas:	not applicable

Explosion hazards

The product is not: Explosive.

Lower explosion limit:	not determined
Upper explosion limit:	not determined

Auto-ignition temperature

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

Fire promoting properties

Not flammable.

Vapor pressure:	not determined
Density:	1.1 g/cm ³
Solubility in water:	slightly soluble

Solubility in other solvents

not determined

Partition coefficient	not determined
n-octanol/water:	
Relative vapor density:	not determined
Evaporation rate:	not determined

9.2. Other information

Solids content:	not determined
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SECTION 10: Stability and reactivity

10.1. Reactivity

No hazardous reactions will occur if handled and stored as directed.

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

none

10.5 Incompatible materials

There is no information available.

10.6 Hazardous decomposition products

No hazardous decomposition products are known.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute Toxicity

CAS-No.	Chemical name				
	Exposure route	Dose	Species	Source	Method
64-19-7	Acetic acid 60%				
	oral	LD50 3310 mg/kg	rat	GESTIS	
	inhalative (4 h) vapor	LC50 > 16 mg/l	rat		
55965-84-9	Mixture of: 5-chloro-2-methyl-2H-isothiazol-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)				
	oral	LD50 64 – 66 mg/kg	rat		
	dermal	LD50 141 mg/kg	rat		
	inhalative vapor	ATE 0,5 mg/l			
	inhalative Aersolo	ATE 0,05 mg/l			

Other information on tests

The mixture is classified as non-hazardous according to Regulation (EC) No 1272/2008 [CLP].

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SECTION 12: Ecological information

12.1 Toxicity

The product is not: ecotoxic.

CAS-No.	Chemical name					
	Aquatic toxicity	Dose	[h] [d]	Species	Source	Method
64-19-7	Acetic acid 60%					
	Acute fish toxicity	LC50 > 300 mg/l	96 h	Oncorhynchus mykiss		OECD 203
	Acute algal toxicity	ErC50 > 300 mg/l	72 h	Skeletonema costatum		
	Acute Crustacean toxicity	EC50 > 300 mg/l	48 h	Daphnia magna		
55965-84-9	Mixture of: 5-chloro-2-methyl-2H-isothiazol-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no.220-239-6] (3:1)					
	Acute fish toxicity	LC50 0,19 mg/l	96 h	Oncorhynchus mykiss		
	Acute algal toxicity	ErC50 0,0049 mg/l	96 h	Skeletonema costatum		
	Acute Crustacean toxicity	EC50 0,19 mg/l	48 h	Daphnia magna		

12.2 Persistence and degradability

The product has not been tested.

12.3 Bioakkumulationspotenzial

The product has not been tested.

Partition coefficient n-octanol/water

CAS-No.	Chemical name	Log Pow
64-19-7	Acetic acid 60%	-0,17

12.4 Mobility in soil

The product has not been tested.

12.5 Results of the PBT and vPvB assessment

The product has not been tested.

12.6 Other adverse effects

Other adverse effects

More hints

Avoid release into the environment.

SECTION 13: Disposal considerations

13.1 Waste treatment process

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Recommendations 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.

SECTION 14: Transport information

Land transport (ADR/RID)

<u>14.1. UN-number:</u>	Not a dangerous good in the sense of these transport regulations.
<u>14.2. proper</u>	Not a dangerous good in the sense of these transport regulations.
<u>UN-shipping name:</u>	
<u>14.3. transport hazard class:</u>	Not a dangerous good in the sense of these transport regulations.
<u>14.4. Packing group:</u>	Not a dangerous good in the sense of these transport regulations.

Inland waterway transport (ADN)

<u>14.1. UN-number:</u>	Not a dangerous good in the sense of these transport regulations.
<u>14.2. proper</u>	Not a dangerous good in the sense of these transport regulations.
<u>UN-shipping name:</u>	
<u>14.3. transport hazard class:</u>	Not a dangerous good in the sense of these transport regulations.
<u>14.4. Packing group:</u>	Not a dangerous good in the sense of these transport regulations.

Sea transport (IMDG)

<u>14.1. UN-number:</u>	Not a dangerous good in the sense of these transport regulations.
<u>14.2. proper</u>	Not a dangerous good in the sense of these transport regulations.
<u>UN-shipping name:</u>	
<u>14.3. transport hazard class:</u>	Not a dangerous good in the sense of these transport regulations.
<u>14.4. Packing group:</u>	Not a dangerous good in the sense of these transport regulations.

Air transport (ICAO-TI/IATA-DGR)

<u>14.1. UN-number:</u>	Not a dangerous good in the sense of these transport regulations.
<u>14.2. proper</u>	Not a dangerous good in the sense of these transport regulations.
<u>UN-shipping name:</u>	
<u>14.3. transport hazard class:</u>	Not a dangerous good in the sense of these transport regulations.
<u>14.4. Packing group:</u>	Not a dangerous good in the sense of these transport regulations.

14.5. Environmental hazards

ENVIRONMENTALLY DANGEROUS: No

14.6. Special precautions for the user

Special precautions for the user.

14.7. Bulk transport according to Annex II of the MARPOL Convention and according to the IBC Code

Not a hazardous material as defined by these transport regulations.

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SECTION 15: Legislation

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

EU-regulations

Information on IE Directive 2010/75/EU (VOC):	7 % (77 g/l)
VOC directive data 2004/42/EC:	97.9 % (1076.9 g/l)
Information on the SEVESO III directive 2012/18/EU:	Not subject to SEVESO III directive

National regulations

Water hazard class:	1 - slightly hazardous to water
Status:	Classification of mixtures according to Annex 1, No. 5 AwSV

Substance/product listed in the following national inventories

(EU) EINECS/ELINCS/NLP: unknown

15.2 Chemical Safety Assessment

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

SECTION 16: Other information

Abbreviations and acronyms

CLP: Classification, labelling and Packaging
REACH: Registration, Evaluation and Authorization of Chemicals
GHS: Globally Harmonised System of Classification, Labelling and Packaging of Chemicals
UN: United Nations
CAS: Chemical Abstracts Service
DNEL: Derived No Effect Level
DMEL: Derived Minimal Effect Level
PNEC: Predicted No Effect Concentration
ATE: Acute toxicity estimate
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
MARPOL: International Convention for the Prevention of Marine Pollution from Ships

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IBC: Intermediate Bulk Container

VOC: Volatile Organic Compounds

SVHC: Substance of Very High Concern

For abbreviations and acronyms, see the list under <http://abk.esdscom.eu>

Wording of H- and EUH-phrases (number and full text)

H226	Flammable liquid and vapor.
H301	Toxic if swallowed.
H310	Danger to life in case of skin contact.
H314	Causes severe skin burns and eye damage.
H317	May cause allergic skin reactions.
H318	Causes serious eye damage.
H330	Danger to life by inhalation.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
EUH071	Corrosive to respiratory system.

More details

The information is based on the current state of our knowledge, but it 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.

(Die Daten der gefährlichen Inhaltsstoffe wurden jeweils dem letztgültigen Sicherheitsdatenblatt des Vorlieferanten entnommen.)