

Safety Data Sheet

according to Regulation (EC) No 1907/2006



TIGER

Compilation date: 20.10.2017
Revision date: 30.03.2021

Page 1 of 12

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

1.1 Product identifier

TIGER

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

Use of the substance/mixture

EuPCS: PC-CLN-13.3 Floor stripper

Process categories [PROC]: 8, 10

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

Hazard categories:

Serious eye damage/eye irritation: Eye Dam. 1

Hazard Statements:

Causes serious eye damage.

The product does not support combustion. It therefore needs not to be classified as flammable despite a flash point below 60 °C.

2.2 Label elements

Hazard components for labelling:

Sodium Diisooctyl Sulfosuccinate

Signal word: Danger

Pictograms:



Hazard statements

H318 Causes serious eye damage.

Precautionary statements

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/doctor.

Safety Data Sheet

according to Regulation (EC) No 1907/2006



TIGER

Compilation date: 20.10.2017
Revision date: 30.03.2021

Page 2 of 12

2.3 Other hazards

The substances in the mixture do not meet the PBT/vPvB criteria according REACH, annex XIII.

SECTION 3: Composition/information on ingredients

3.1 Mixtures

Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	GHS Classification			
112-34-5	2-(2-butoxyethoxy)ethanol, diethylene glycol monobutyl ether			20 - < 25 %
	203-961-6	603-096-00-8	01-2119475104-44	
	Eye Irrit. 2; H319			
100-51-6	benzyl alcohol			15 - < 20 %
	202-859-9	603-057-00-5	01-2119492630-38	
	Acute Tox. 4, Acute Tox. 4; H332 H302			
64-17-5	ethanol			10 - < 15 %
	200-578-6	603-002-00-5	01-2119457610-43	
	Flam. Liq. 2, Eye Irrit. 2; H225 H319			
68439-46-3	fatty alcohol polyethoxylate			1 - < 5 %
	Eye Dam. 1, Aquatic Chronic 3; H318 H412			
142-16-5	Bis (2-ethylhexyl) maleat			< 1 %
			01-2119524002-60	
	STOT RE 2, Aquatic Chronic 1; H373 H410			

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

Safety Data Sheet

according to Regulation (EC) No 1907/2006



TIGER

Compilation date: 20.10.2017
Revision date: 30.03.2021

Page 3 of 12

Specific Conc. Limits, M-factors and ATE

CAS No	EC No	Chemical name	Quantity
		Specific Conc. Limits, M-factors and ATE	
112-34-5	203-961-6	2-(2-butoxyethoxy)ethanol, diethylene glycol monobutyl ether	20 - < 25 %
		inhalation: LC50 = >20 mg/l (vapours); dermal: LD50 = >2000 mg/kg; oral: LD50 = >2000 mg/kg	
100-51-6	202-859-9	benzyl alcohol	15 - < 20 %
		inhalation: ATE = 11 mg/l (vapours); inhalation: ATE = 1,5 mg/l (dusts or mists); dermal: LD50 = 2000 mg/kg; oral: LD50 = 1230 mg/kg	
64-17-5	200-578-6	ethanol	10 - < 15 %
		inhalation: LC50 = >20 mg/l (vapours); dermal: LD50 = >2000 mg/kg; oral: LD50 = >2000 mg/kg Eye Irrit. 2; H319: >= 50 - 100	
68439-46-3		fatty alcohol polyethoxylate	1 - < 5 %
		inhalation: LC50 = >5 mg/l (dusts or mists); dermal: LD50 = >2000 mg/kg; oral: LD50 = >2000 mg/kg	
142-16-5		Bis (2-ethylhexyl) maleat	< 1 %
		dermal: LD50 = 14000 mg/kg; oral: LD50 = >2000 mg/kg	

Labelling for contents according to Regulation (EC) No 648/2004

< 5 % non-ionic surfactants, < 5 % anionic surfactants, perfumes (Benzyl alcohol, Hexyl cinnamal).

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

No information available.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

Safety Data Sheet

according to Regulation (EC) No 1907/2006



TIGER

Compilation date: 20.10.2017
Revision date: 30.03.2021

Page 4 of 12

5.1 Extinguishing media

Suitable extinguishing media

Water spray jet
Alcohol resistant foam
Carbon dioxide
Extinguishing powder

Unsuitable extinguishing media

High power water jet

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products:
Carbon dioxide
Carbon monoxide

5.3 Advice for firefighters

Coordinate fire-fighting measures to the fire surroundings.

Additional information

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Use personal protection equipment.
Avoid contact with skin, eyes and clothes.

6.2 Environmental precautions

Do not allow to enter into surface water or drains.
Do not allow to enter into soil/subsoil.

6.3 Methods and material for containment and cleaning up

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).
Treat the recovered material as prescribed in the section on waste disposal.

6.4 Reference to other sections

Personal protection equipment: see section 8
Disposal: see section 13

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.
Use personal protection equipment.
When using do not eat, drink or smoke.
Use only in well-ventilated areas.
Do not breathe gas/fumes/vapour/spray.

Safety Data Sheet

according to Regulation (EC) No 1907/2006



TIGER

Compilation date: 20.10.2017
Revision date: 30.03.2021

Page 5 of 12

Advice on protection against fire and explosion

No special fire protection measures are necessary.

7.2 Conditions for safe storage, including any incompatibilities Requirements for storage rooms and vessels

Keep container tightly closed.

Hints on joint storage

No special measures are necessary.

7.3 Specific end uses

There are no data available on the mixture itself.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Exposure limits (EH40)

CAS-no.	Substance	ppm	mg/m ³	F/m ³	Category	Origin
112-34-5	2- (2-butoxyethoxy) ethanol	10	67,5		TWA (8 h)	WEL
		15	101,2		STEL (15 min)	WEL
64-17-5	Ethanol	1000	1920		TWA (8 h)	WEL

8.2 Exposure controls

Protective and hygiene measures

Take off contaminated clothing.
Wash hands before breaks and after work.
When using do not eat, drink or smoke.

Eye/face protection

Wear eye protection/face protection. (EN 166)

Hand protection

Wear suitable gloves. (EN 374, Breakthrough time: >10 min.)
Suitable material: NBR (Nitrile rubber).
Thickness of the glove material $\geq 0,1$ mm
A survey of suitable brands with detailed information on breakthrough times is available upon request.

Diluted ready-to-use solutions $\leq 1\%$:
Protective gloves may be waived, if equivalent measures allowing for an increased skin stress because of wet work are implemented (e. g. application of suitable skin protecting creams).

Skin protection

Wear suitable work clothing.

Respiratory protection

Use only in well-ventilated areas.
In case of inadequate ventilation wear respiratory protection. (DIN EN 14387, A 1)

Safety Data Sheet

according to Regulation (EC) No 1907/2006



TIGER

Compilation date: 20.10.2017
Revision date: 30.03.2021

Page 6 of 12

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state: liquid
Colour: colourless
Odour: Perfumes, fragrances

pH-value (at 20 °C): 9,1-9,5

Test method

Changes in the physical state

Melting point: approx. 0 °C
Initial boiling point and boiling range: approx. 100 °C
Flash point: 48 °C
Sustaining combustion: Not sustaining combustion

Flammability

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

Self-ignition temperature

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

Oxidizing properties

Not oxidising.

Vapour pressure: not determined
Density (at 25 °C): 1,00 g/cm³
Water solubility: completely miscible

Solubility in other solvents

not determined

Partition coefficient: not determined
Dyn. Viscosity (at 25 °C): < 10 mPa·s
Vapour density: not determined
Evaporation rate: not determined

9.2 Other information

Solid content: not determined

Safety Data Sheet

according to Regulation (EC) No 1907/2006



TIGER

Compilation date: 20.10.2017
Revision date: 30.03.2021

Page 7 of 12

SECTION 10: Stability and reactivity

10.1 Reactivity

No hazardous reaction when handled and stored according to provisions.

10.2 Chemical stability

The product is stable under storage at normal ambient temperatures.

10.3 Possibility of hazardous reactions

No hazardous reaction when handled and stored according to provisions.

10.4 Conditions to avoid

The product is stable under storage at normal ambient temperatures.

10.5 Incompatible materials

No information available.

10.6 Hazardous decomposition products

No known hazardous decomposition products.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

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

CAS-no.	Chemical name				
	Exposure route	Method	Dose	Species	Source

112-34-5	2- (2-butoxyethoxy) ethanol (see butyl diglycol)				
	oral	LD50	> 2000 mg/kg	Rat	ATE
	dermal	LD50	> 2000 mg/kg	Rat	ATE
	inhalative vapour	LC50	> 20 mg/l	Rat	ATE
64-17-5	Ethanol (see ethyl alcohol)				
	oral	LD50	> 2000 mg/kg	Rat	ATE
	dermal	LD50	> 2000 mg/kg	Rat	ATE
	inhalative vapour	LC50	> 20 mg/l	Rat	ATE
100-51-6	benzyl alcohol				
	oral	LD50	1230 mg/kg	Rat	
	dermal	LD50	2000 mg/kg	Rabbit	
	inhalative vapour	ATE	11 mg/l		
	inhalative aerosol	ATE	1,5 mg/l		
68439-46-3	fatty alcohol polyethoxylate				
	oral	LD50	> 2000 mg/kg	Rat	OECD 401

Safety Data Sheet

according to Regulation (EC) No 1907/2006



TIGER

Compilation date: 20.10.2017
Revision date: 30.03.2021

Page 8 of 12

	dermal	LD50	> 2000 mg/kg	Rat	ATE
	inhalative aerosol	LC50	> 5 mg/kg	Rat	ATE
142-16-5	Bis (2-ethylhexyl) maleat				
	oral	LD50	2000 mg/kg	Rat	OECD 401
	dermal	LD50	14000 mg/kg	Rabbit	ATE

Irritation and corrosivity

Causes serious eye damage.

Skin corrosion/irritation: Based on available data, the classification criteria are not met.

Sensitising effects

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

Carcinogenic/mutagenic/toxic effects for reproduction

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

STOT-single exposure

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

STOT-repeated exposure

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

Aspiration hazard

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

Safety Data Sheet

according to Regulation (EC) No 1907/2006



TIGER

Compilation date: 20.10.2017
Revision date: 30.03.2021

Page 9 of 12

SECTION 12: Ecological information

12.1 Toxicity

CAS-no.	Chemical name					
	Aquatic toxicity	Method	Dose	[h] [d]	Species	Source
112-34-5	2-(2-butoxyethoxy)ethanol, diethylene glycol monobutyl ether					
	Acute fish toxicity	LC50	2780 mg/l	96 h	Pimephales promelas (fathead minnow)	
	Acute algae toxicity	ErC50	> 100 mg/l		Scenedesmus subspicatus	
	Acute crustacea toxicity	EC50	> 100 mg/l	48 h	Daphnia magna (Big water flea)	
64-17-5	Ethanol (see ethyl alcohol)					
	Acute fish toxicity	LC50	> 1000 mg/l	96 h		
	Acute algae toxicity	ErC50	> 100 mg/l			
	Acute crustacea toxicity	EC50	> 1000 mg/l	48 h		
100-51-6	Benzyl alcohol					
	Acute fish toxicity	LC50	460 mg/l	96 h	Pimephales promelas (fathead minnow)	
	Acute algae toxicity	ErC50	640 mg/l	96 h	Scenedesmus quadricauda	
68439-46-3	fatty alcohol polyethoxylate					
	Acute fish toxicity	LC50	1-10 mg/l	96 h	Danio rerio (zebrafish)	OECD 203
	Acute crustacea toxicity	EC50	0,7 mg/l	48 h	Daphnia magna (Big water flea)	
	Acute bacteria toxicity	(> 1000 mg/l)				
142-16-5	Bis (2-ethylhexyl) maleat					
	Acute fish toxicity	LC50	> 100 mg/l	96 h	Danio rerio (zebrafish)	Classification according to Directive 67/548/EEC or 1999/45/EC
	Acute crustacea toxicity	EC50	59,5 mg/l	48 h	Daphnia magna (Big water flea)	OECD 202
	Algae toxicity	NOEC	0,052 mg/l	3 d	Pseudokirchneriella subcapitata	OECD 201
	Acute algae toxicity	ErC50	>0,619 mg/l	72 h	Pseudokirchneriella subcapitata	OECD 201
	Acute bacteria toxicity	(>1000 mg/l)		3 h	Respiratory inhibition of municipal activated sludge.	OECD 209

Safety Data Sheet

according to Regulation (EC) No 1907/2006



TIGER

Compilation date: 20.10.2017
Revision date: 30.03.2021

Page 10 of 12

12.2 Persistence and degradability

The surfactants contained in this mixture comply with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents.

CAS-No.	Chemical name	Value	d	Source
	Method			
	Evaluation			
112-34-5	2- (2-butoxyethoxy) ethanol (see Butyl diglycol)			
	OECD 301	> 60 %	28	
	Readily biodegradable (according to OECD criteria).			
64-17-5	Ethanol			
	OECD 301	> 60 %	28	
	Readily biodegradable (according to OECD criteria).			
100-51-6	benzyl alcohol			
	OECD 301	> 60 %	28	
	Readily biodegradable (according to OECD criteria)			
68439-46-3	fatty alcohol polyethoxylate			
	OECD 301F/ ISO 9408/ EEC 92/69/V, C.4-D	> 60 %	28	
	Readily biodegradable (according to OECD criteria).			
142-16-5	Bis (2-ethylhexyl) maleat			
	OECD 301D	> 60 %	28	
	Readily biodegradable (according to OECD criteria).			

12.3 Bioaccumulative potential

No indication of bioaccumulation potential.

Partition coefficient n-octanol/water

CAS-no.	Chemical name	Log Pow
112-34-5	2-(2-butoxyethoxy)ethanol, diethylene glycol monobutyl ether	0,56
100-51-6	benzyl alcohol	1,05
142-16-5	Bis (2-ethylhexyl) maleat	7,24

12.4 Mobility in soil

The product has not been tested.

12.5 Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

12.6 Other adverse effects

No information available.

Safety Data Sheet

according to Regulation (EC) No 1907/2006



TIGER

Compilation date: 20.10.2017
Revision date: 30.03.2021

Page 11 of 12

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Disposal recommendations

Dispose of waste according to applicable legislation.
Delivery to an approved waste disposal company.

Waste disposal number of waste from residues/unused products

070601 WASTES FROM ORGANIC CHEMICAL PROCESSES; wastes from the MFSU of fats, grease, soaps, detergents, disinfectants and cosmetics; aqueous washing liquids and mother liquors Classified as hazardous waste.

Waste disposal number of contaminated packaging

150102 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); plastic packaging

Contaminated packaging

Non-contaminated packages may be recycled.

SECTION 14: Transport information

Land transport (ADR/RID)

14.1 UN-number No dangerous good in sense of these transport regulations.

Inland waterways transport (ADN)

14.1 UN-number No dangerous good in sense of these transport regulations.

Marine transport (IMDG)

14.1 UN-number No dangerous good in sense of these transport regulations.

14.5 Environmental hazards

ENVIRONMENTALLY HAZARDOUS: no

14.6. Special precautions for user

No special measures are necessary.

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

EU regulatory information

Restrictions on use (REACH, annex XVII):
Entry 3, Entry 55
2010/75/EU (VOC): < 30 %

Additional information

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

National regulatory information

Water hazard class (D): 1 - slightly hazardous to water

Safety Data Sheet

according to Regulation (EC) No 1907/2006



TIGER

Compilation date: 20.10.2017
Revision date: 30.03.2021

Page 12 of 12

15.2 Chemical safety assessment

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

SECTION 16: Other information

Changes

This data sheet contains changes from the previous version in section(s): 2,3,9.

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.

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.

H302 Harmful if swallowed.

H312 Harmful in contact with skin.

H315 Causes skin irritation.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

H332 Harmful if inhaled.

H373 May cause damage to organs through prolonged or repeated exposure.

H412 Harmful to aquatic life with long lasting effects.

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.