

Product Safety Data Sheet (1907/2006/EC)

Material: 60078495		VACKER® AV A PRIMER	
Versi	on: 1.4 (BE)	Printed on: 29.10.2020	Revised on: 29.09.2020
SEC	CTION 1: Identification of the	substance or mixture and of the company	y/undertaking
1.1	Product identification		
	Trade name:	WACKER® AV A PRIMER	
1.2 R	elevant identified uses of the substan	ce or mixture and uses advised against	
	Use of the Substance/Preparation: Industrial.		
	primer		
1.3	Details of the supplier of the safety	data sheet	
	Manufacturer/supplier: Street/P.O. box: Country.id./postal code/city: Telephone: Telefax:	DRAWIN Vertriebs-GmbH Rudolf-Diesel-Straße 15 D 85521 Riemerling +49 89 60869-0 +49 89 60869-250	
	Information about the safety data shee	t: Telephone Fax E-mail	+49 8677 83-4888 +49 8677 886-9722 WLCP-MSDS@wacker.com
1.4 E	mergency telephone number		
	inform. in case of emergency: Poison Control Center	Belgian Poison Control Center	+44 1273 289451 070 245 245

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) Nr. 1272/2008:

Hazard class	Hazard category	exposure route	H Code
Specific target organ toxicity - single exposure	Category 3		H336
Flammable liquids	Category 2		H225
Inhalation hazard	Category 1		H304
Long-term (chronic) aquatic hazard	Category 2		H411
Skin corrosion/irritation	Category 2		H315
Serious eye damage/irritation	Category 1		H318

2.2 Label Elements

Labeling according to Regulation (EC) Nr. 1272/2008:



Signal word: Danger

H Code	hazard statements
H225	Highly flammable liquid and vapour.
H304	Can be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H318	Causes serious eve damage.
H336	May cause drowsiness or dizziness.
H411	Toxic to aquatic life with long lasting effects.



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P Code	precautions Wear
P280	protective gloves/eye protection/face protection.
P233	Keep container tightly closed.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. Do not smoke.
P331	DO NOT induce vomiting.
P301 + P310	IF SWALLOWED: Immediately call a POISON CENTER/doctor.
P403 + P233	Store in a well-ventilated place. Keep container tightly closed.

C7 - C9 Isoalkane

tetra(n-butyl) titanate

The following percentage of the mixture is composed of components of unknown acute oral toxicity: 9%.

The following percentage of the mixture consists of one or more ingredients with unknown hazards to the aquatic environment: 10%.

2.3 Other Hazards

Inhalation of aerosol mists can damage your health.

The product hydrolyzes to form methanol (CAS No. 67-56-1). Methanol is classified for both physical and health hazards. The rate of hydrolysis and thus its relevance to the risk profile of the product is strongly dependent on the specific circumstances.

SECTION 3: Composition/information on ingredients

3.1 Substances

not applicable

3.2 Mixtures

3.2.1 Chemical characterization

Organosilane + excipient + solvent

3.2.2 Contains hazardous substances

Туре С	AS no.	EC no.	Dust	Content % Cla	ssification	Remark
		REACH no.			according to Regulation (EC) Nr. 1272/2008*	
INHA 9	0622-56-3 292-4	58-5	C7 - C9 Isoalkanes	>=75 - <100 As	p. Tox. 1; H304	[1]
		01-2119471305-42	****		STOT SE 3; H336	
					Flam. Liq. 2; H225 Skin Irrit. 2; H315	
					Aquatic Chronic 2; H411	
INHA 2	551-83-9 219-85	5-8	Allyltrimethoxysilane		n. Liq. 3; H226 Skin Irrit. 2; H315 Eve	[1]
					Irrit. 2; H319 STOT SE 3; H335 >=5 –	
INHA 5	593-70-4 227-00	6-8	tetra(n-butyl) titanate	<10 STOT SE	3; H336 STOT SE	[1]
		01-2119967423-33	·····		3; H335 Eye Dam.	
					1; H318 Flam. Liq.	
					3; H226 Skin Irrit. 2; H315	



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VERU 67-56-1	200-659-6	Methanol	>=0.3 - <1 STOT SE 1; H370 [1], [2] Acute Tox. 3 inhalative;
			H331 Acute Tox. 3 dermal; H311 Acute
			Tox. 3 orally; H301 Flam.
			Liq. 2; H225

type: INHA: ingredient, VERU: impurity

REACH registered substances may be present as contaminants. These normally do not give rise to the identification of identified uses or exposure scenarios on the safety data sheet.

[1] = Substance harmful to health or the environment; [2] = substance with a Community workplace exposure limit; [3] = PBT substance; [4] = vPvB substance

*The classification codes are explained in chapter 16.

This product does not contain substances of very high concern (Regulation (EC) No. 1907/2006 (REACH), Article 57) in quantities ÿ 0.1%.

SECTION 4: First aid measures

4.1 Description of first aid measures

General:

Bring people to safety. First aider must protect himself. After contact with the substance, it is imperative to consult a doctor. Vapors can be intoxicating. Do not leave the affected persons unattended.

After contact with eyes: Rinse

immediately with plenty of water for 10-15 minutes. Hold eyelids open to rinse the entire surface of the eye and eyelids with water. Consult a doctor immediately and state the exact name of the substance. If transported to a doctor, continue rinsing the eyes.

After skin contact: Take off

immediately all soiled, soaked clothing. Wash off immediately with plenty of water or soap and water for 10-15 minutes. In case of large quantities, immediately take an emergency shower. Consult a doctor immediately and state the exact name of the substance.

After inhalation:

Place in a quiet lying position. If unconscious, place in recovery position. Protect against hypothermia. In case of respiratory arrest, mouth-to-mouth resuscitation. Consult a doctor immediately and state the exact name of the substance.

After ingestion: Give plenty of

water to drink in small portions - but only if the person is conscious. Do not induce vomiting. Consult a doctor immediately and state the exact name of the substance.

4.2 Most important symptoms and effects, both acute and delayed

Relevant data can be found in other sections of this section.

4.3 Indication of any immediate medical attention and special treatment needed

After inhalation: treat with cortisone spray as early as possible. Checks by a doctor to a latency of at least 24 hours required. For first-degree caustic injuries use of external corticoid. In caustic injuries from second degree symptomatic therapy. Read more information about the toxicology in section 11. Do not induce vomiting. Aspiration hazard.

SECTION 5: Firefighting measures

5.1 Extinguishing Media

Suitable extinguishing media:

alcohol-resistant foam , Carbon dioxide , Sand , Extinguishing powder .



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Extinguishing media not suitable for safety reasons: water .

5.2 Special hazards arising from the substance or mixture

In the event of a fire, hazardous combustion gases or vapors may be produced. Exposure to combustion products can be hazardous to health! Hazardous Combustion Products: Toxic and Highly Toxic Fumes .

5.3 Advice for firefighters

Special protective equipment for firefighters: Use compressed air

equipment. Keep unprotected persons away.

SECTION 6: Accidental release measures of the substance or mixture

6.1 Personal precautions, protective equipment and emergency procedures

Wear personal protective equipment etc. (see section 8). Keep unprotected persons away. Avoid contact with eyes and skin. Avoid breathing mists and vapours.

6.2 Environmental Precautions

Do not allow to enter drains or open water. In case of release into surface waters, sewers or the soil, notify the competent authorities. Dike escaping liquid with material suitable for this purpose (e.g. earth). Hold back and store polluted water/fire water. Deposit only in properly marked containers.

6.3 Methods and material for containment and cleaning up

Do not flush with water. For small quantities: Soak up with a liquid-binding material, eg kieselguhr and dispose of or process according to regulations. Dike larger quantities and transfer to suitable container. Remove any remaining slippery layer with detergent / soap solution or another biodegradable cleaning agent. Extract vapours.

Additional

instructions: Remove sources of ignition.

6.4 Reference to other sections

Please note relevant data in other sections. This is especially true for data on personal protective equipment (section 8) and waste disposal (section 13).

SECTION 7: Handling and storage

7.1 Precautions for safe handling of the substance or mixture

Instructions for safe use: Avoid contact

with eyes, skin and clothing. Avoid breathing dust / vapor / mist / gas / aerosol. Ensure good ventilation of the room and the workplace. Extraction system must be present. Keep away from substances incompatible with this substance (see point 10).

Advice on protection against fire and explosion: Product may

secrete methanol. Vapors can form a mixture with air in enclosed spaces which, if ignition sources are present, can also lead to explosions in empty, uncleaned containers. Keep away from sources of ignition and do not smoke. Take measures to prevent static charging. Keep endangered containers cool with water.

7.2 Conditions for safe storage, including incompatibilities

Requirements for storage areas and packaging:

Safely prevent penetration into the soil.

Advice on storage together with other substances: Observe the local official regulations.

Other specifications regarding storage conditions: Protect from moisture. Keep only in the original container. Keep container tightly closed and store in a cool, well-ventilated place.



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7.3 Specific End Uses

There are no data available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational air limit values: CAS-No.

	Dust	type mg/m	3 10.0	ppm	E/A	fiber/m3
	Aerosol – inhalable fraction					
67-56-1	Methanol	TLV_BE 26	66.0	200.0		
67-56-1	Methanol	EU 260.0		200.0		

The indicated limit value of aerosol is a recommendation for aerosol formation in the processing process. Methanol (CAS No. 67-56-1): Short Time Value (STEL) is 250 ppm = 333 mg/m3.

8.2 Exposure controls

8.2.1 Occupational exposure controls

General protection and hygiene measures: Avoid

contact with eyes and skin. Do not inhale vapours. Do not eat, drink or smoke while working. Keep away from food, drink and animal feed.

Personal protective equipment:

Respiratory protection If

exposure by inhalation above the limit value allowed for workplaces cannot be excluded, suitable respiratory protection must be worn. Suitable respiratory equipment: Respiratory protective device with full face mask in accordance with recognized standards such as EN 136.

Recommended filter type: Gas filter ABEK (certain inorganic, organic and acid gases and vapours; ammonia/amine), in accordance with recognized standards such as EN 14387

In case of exposure to mist, spray mist or aerosol wear suitable respiratory protection and protective clothing.

Suitable respiratory equipment: Respiratory protective device with full face mask in accordance with recognized standards such as EN 136.

Recommended filter type: Combination filter ABEK-P2 (certain inorganic, organic and acid gases and vapours; ammonia/ amine; particulates), in accordance with recognized standards such as EN 14387

Respiratory protection equipment should be used for long or strong exposure. Suitable respiratory equipment: Ambient air independent respirator in accordance with recognized standards such as EN 137.

The wearing time limits for respiratory protective equipment as well as the manufacturer's instructions must be observed.

Eye protection

very tight fitting goggles . Provide an eyewash system in the workplace.

Hand protection

Protective gloves are required at all times when handling the material, in accordance with recognized standards such as EN374.

Recommended glove material: Safety gloves made of fluorine rubber Material thickness > 0.7 mm Breakthrough time: > 480 min

Recommended glove material: Protective gloves made of 5-layer laminate of PE and EVOH (4H) Material thickness > 0.062 mm Breakthrough time: > 480 min



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Observe the instructions regarding permeability and break through time, as provided by the supplier of the gloves. Also consider specific local conditions of use, such as risk of cuts, abrasion and contact time. Please note that the daily service life of chemical protective gloves in practice is significantly shorter than the permeation time established in tests due to the many influencing factors (e.g. temperature).

Protection of the body

When handling without protection: Protective clothing against chemical substances, if necessary liquid-tight protection for the entire body. Please observe the supplier's instructions regarding breakthrough time. Anti-static protective clothing and shoes.

8.2.2 Environmental Exposure Controls

Do not allow to enter surface or waste water and do not enter the soil.

8.3 Additional instructions regarding the design of technical installations

Follow the instructions in section 7. Follow the national government regulations.

SECTION 9: Physical and chemical properties

9.1	Information on basic physical a	nd chemical properties	
	Characteristic: Prevent	Value:	Method:
I	Physical state Color	: ilquid : colorless Odor	
I	Odor	: weak	
	odor threshold		
	Odor Threshold	: no data available pH-Value pH-	
I	Value freezing point	not applicable Melting/	
I	Initial boiling point and boiling		
	Boiling point / boiling range Flash	: 119 - 139 ° C at 1013 hPa	
I	point Flash point	· 2°C	(DIN 53213)
	Evaporation rate		(2111 002 10)
	•	: no data available Upper/ lower	
3 -	flammability or explosive limits		
I	limit		
	limit: 6		
Ĩ	Vapor pressure		(calculation value)
	Vapor pressure		(calculation value)
24 5 0	Solubility		(,
I	-	practically insoluble. Vapor	
	density		
	2	No data available.	
	Relative Density	: 0.732 (25 °C; 1013 hPa)	(calculated)
		(Water / 4 °C = 1.00)	(balbalated)
	Density	:: 0.732 g/cm³ (25 °C; 1013 hPa)	(calculated)
	Partition coefficient: n-octanol/		(calculated)
		ater No data available.	
	Auto-ignition temperature		
I I	Ignition temperature	· 375 °C	(DIN 51794)
			(Diri 31794)



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	Viscosity				
	Viscosity (kinema molecular mass	atic)	: 0.8 mm²/s		(ISO3104)
	Molecular Mass		: not applicable		
2 0	Other information				
	Explosion limits for	released methanol: 5.5 - 44	vol-%.		
EC	TION 10: Stability a	nd reactivity			
		nemical stability; Possibilit	y of hazardous reactions 10.2	2	
0.3	 No dangerous read 	ctions known when used and	l stored properly.		
	Relevant informati	on may be found in other se	ctions of this section.		
0.4	Conditions to Avoid	I			
	Moisture, heat, ope	en flames and other sources	of ignition.		
0.5	Incompatible mater	ials			
	Reacts with: acids	, water and alkalis. The	reaction takes place with the fo	rmation of alcohols.	
0.6	Hazardous decomp	osition products			
	When used and sto	ored according to directions:	not known. Butanol and metha	nol under the influence of hum	dity.
	TION 11: Toxicolog				
	Information on toxic	cological effects			
1.1	1 General				
		n the whole product takes pr	ecedence over data from individ	dual ingredients.	
1.1.2	2 Acute toxicity				
	Judgement:				
	For this endpoint n	o toxicological study data are	e available for the entire produc	ct.	
	Acute toxicity est ATEmix (Oral): > 5	• •			
	Substance data:				
	Substance data: Hydrolysis produ	ct (butanol):			
		. ,		Example/test system	Source
	Hydrolysis produ	. ,		Example/test system Rat	ECHA
	Hydrolysis produ Exposure route Re	esult/Effect			

For this endpoint no toxicological study data are available for the entire product.

Substance data:

I

Hydrolysis product (butanol):



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Result/Effect	Example/test system	Source	
Irritating	Rabbit	ECHA	

11.1.4 Serious eye damage/eye irritation

Judgement:

For this endpoint no toxicological study data are available for the entire product.

Substance data:

Hydrolysis product (butanol):

Result/Effect	Example/test system	Source
serious eve damage	Rabbit	ECHA
		OECD 405

11.1.5 Respiratory/skin sensitization

Judgement:

For this endpoint no toxicological study data are available for the entire product.

Substance data:

Hydrolysis product (butanol):

[Route of exposure R	esult/Effect dermal	Example/test system	Source
[Does not cause skin	sensitisation.	Guinea pig; Maximization test	ECHA
				OECD 406

11.1.6 Germ cell mutagenicity

Judgement:

For this endpoint no toxicological study data are available for the entire product.

11.1.7 Carcinogenicity

Judgement:

For this endpoint no toxicological study data are available for the entire product.

11.1.8 Reproductive toxicity

Judgement:

For this endpoint no toxicological study data are available for the entire product.

11.1.9 Specific target organ toxicity - single exposure

Judgement:

Vapors can have a narcotic effect.

Substance data:

Hydrolysis product (butanol):

Route of exposure Result/Effect Vapors		Source
may have a narcotic effect	Irritates the respiratory organs.	ECHA

11.1.10 Specific target organ toxicity - repeated exposure

Judgement:

I

For this endpoint no toxicological study data are available for the entire product.

11.1.11 Aspiration Hazard

Judgement:

Product may pose an aspiration risk to humans.



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11.1.12 Additional toxicological advice

Substance data:

Hydrolysis Product (Methanol):

Methanol (CAS 67-56-1) was well and rapidly absorbed in all exposure routes and is toxic regardless of the route of absorption. Methanol can cause irritation of mucous membranes, nausea, vomiting, headache, dizziness and visual impairment, as well as blindness (irreversible damage to the optic nerve), acidosis, muscle cramps and coma. After exposure, these effects may be delayed.

aliphatic and naphthenic hydrocarbons:

Aliphatic hydrocarbons provide acc. the literature for a mild irritation of skin and mucous membranes, degreases the skin, is narcotic. In case of direct action on the lung tissue (e.g. through aspiration), pneumonia may occur.

SECTION 12: Ecological information

12.1 Toxicity

Judgement:

Organic Solvent(s): Toxic to aquatic life.

12.2 Persistence and degradability

Judgement:

Not readily biodegradable.

Substance data:

Hydrolysis product (Methanol):

Methanol is readily biodegradable.

12.3 Bioaccumulation

Judgement:

No full product study data are available for this endpoint.

12.4 Mobility in soil

Judgement:

No full product study data are available for this endpoint.

12.5 Results of PBT and vPvB assessment

There are no data available.

12.6 Other adverse effects

none known

SECTION 13: Disposal considerations

13.1 Waste Treatment Methods

13.1.1 Product

Recommendation: Material that cannot be reused or reprocessed should be disposed of by a recognized agency in accordance with local, national, and governmental regulations. Depending on regulations, waste treatment methods may also include disposal to landfill or incineration.



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13.1.2 Uncleaned packaging

Recommendation: Packaging should be completely emptied (drip-free, dust-free, emptied with a spatula). Packaging should preferably be reused resp. to be recycled.

13.1.3 Waste code no. (EC)

It is not possible to determine a waste code according to the European waste catalog (EWC) for this product, as it is only possible to assign it to the consumer by its purpose of use. The waste code must be determined within the EU in consultation with the disposer.

SECTION 14: Transport information

14.1 – 14.4 UN number; UN proper shipping name; Transport hazard class(es); Packing group

Rating: Dangerous goods 14.1 UN-no: 1993 14.2
Proper Shipping Name Entzündbarer flüssiger Stoff, nag (enthält C7 - C9 Isoalkane und Allyltrimethoxysilan) 14.2 Proper Shipping Name (National) : flammable liquid, nos (containing C7-C9-isoalkanes and allyltrimethoxysilane) 14.3 Class
Packing group II
Railroad RID:
Rating: Dangerous goods 14.1 UN-no : 1993
14.2 Proper Shipping Name: Entzündbarer flüssiger Stoff, nag (enthält C7 - C9 Isoalkane und Allyltrimethoxysilan) 14.2 Proper Shipping Name (National) : flammable liquid, nos (containing C7-C9-isoalkanes and allyltrimethoxysilane) 14.3 Class
Packing group II
Transport by sea IMDG-Code:
Rating 14.1 UN-no 1993
14.2 Proper Shipping Name Flammable liquid, nos (contains C7 - C9 isoalkanes and allyltrimethoxysilane) 14.3 Class
Packing group II
Transport by air ICAO-TI/IATA-DGR:
Rating: Dangerous goods 14.1 UN-no: 1993 14.2
Proper Shipping Name Flammable liquid, nos (contains C7 - C9 isoalkanes and allyltrimethoxysilane) 14.3 Class
Packing group II
ivironmental hazards

Marine Pollutant (IMDG): yes

14.6 Special precautions for user

Please note relevant data in other sections.

14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code

Bulk transport in tankers is not envisaged.



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SECTION 15: Regulatory information

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

National and local regulations must be followed.

Information about registration can be found in chapter 2 of this document.

Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances (Seveso III):

Mention in Directive	Serial no. in the list Threshold 1 Threshold 2 P50	5,000 t E2 200 t
FLAMMABLE LIQUIDS		50,000 t
ENVIRONMENTAL HAZARDS		500 t

Other regulations, restrictions and prohibitions:

Regulation (EC) No 649/2012 of the European Parliament and of the Council concerning the export and import of dangerous chemicals: Not applicable **15.2 Chemical safety**

assessment

For this product no safety evaluation for chemicals according to EC Regulation 1907/2006 (REACH) has been carried out.

15.3 International Registration Status Information

If relevant data for the individual substance inventories are available, these are listed below.

Japan	: ENCS (Handbook of Existing and New Chemical Substances):	J.
	This product is listed in or complies with the substance inventory.	
Australia	: AICS (Australian Inventory of Chemical Substances):	1
	This product is listed in or complies with the substance inventory.	
China	: IECSC (Inventory of Existing Chemical Substances in China):	
	This product is listed in or complies with the substance inventory.	
Canada	: DSL (Domestic Substance List):	L.
	This product is listed in or complies with the substance inventory.	
Philippines		
	This product is listed in or complies with the substance inventory.	
United States of America (USA)	: : TSCA (Toxic Substance Control Act Chemical Substance Inventory):	TY
	All components of this product are listed as active or in compliance with the Inventory	
	of Chemical Substances.	
Taiwan	: TCSI (Taiwan Chemical Substance Inventory): This product is	L.
	listed or compliant with the Inventory of Chemical Substances. General remark: The	
	Taiwan Chemicals Regulation requires Phase 1 registration for substances listed in or	
	compliant with the TCSI if import to Taiwan or production in Taiwan exceeds the threshold of	of
	100 kg/year (for mixtures this must be calculated per component). It is the duty of the impo	rting/
	producing legal entity to ensure this obligation.	0
European Economic Area (EEA)	: REACH (Regulation (EC) No. 1907/2006): General note:	
	Registration obligations imposed on the basis of manufacture in or import into the EEA by	
	the parties referred to in paragraph 1 suppliers will be paid by them. Registration obligations	5
	arising from imports to the EEA by customers or downstream users will be met by them.	
South Korea (Republic of Korea)	: AREC (Registration and Evaluation of Chemicals Act; "K	
	REACH"):	
	Please contact your regular WACKER contact person for more detailed information.	



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SECTION 16: Other information

16.1 Products

The information in this document is based on the state of our knowledge at the time of revision. They do not constitute a statement about the properties of the described product within the meaning of the statutory warranty regulations.

The provision of this document does not relieve the purchaser of the product of its responsibility to comply with applicable laws and regulations relating to the product. This applies in particular to the further sale of the product or mixtures or articles manufactured with it in other jurisdictions, as well as to industrial property rights of third parties. If the product described is processed or mixed with other materials, the data contained in this document cannot be transferred to the product thus manufactured, unless expressly stated so. When repackaging the product, the customer is responsible for enclosing the applicable safety information.

WACKER restricts the use of its products within the human body or in contact with body fluids and mucous membranes. For more information, see our Health Care Policy at www.wacker.com. WACKER may cancel any delivery obligation if the Healthcare Policy is not adhered to.

16.2 Additional instructions:

Commas in numeric data represent the decimal point. Vertical stripes on the left edge indicate changes from the previous version. This version supersedes all previous versions.

Explanation of the GHS Classification Code:

Skin corrosion/irritation, Category 2

Serious eye damage/eye irritation, Category 1

Asp. Tox. 1; H304..... : Aspiration hazard Category 1; Can be fatal if swallowed and enters airways.

STOT SE 3; H336.....: Specific target organ toxicity - single exposure Category 3; May cause drowsiness or dizziness.

Flame. Liq. 2; H225 : Flammable liquids Category 2; Highly flammable liquid and vapour. Skin irritation. 2; H315...... : Skin corrosion/irritation Category 2; Causes skin irritation. Aquatic Chronic 2; H411 Long-term (Chronic) Aquatic Hazard Category 2; Toxic to aquatic life with long lasting effects.: Flame. Liq. 3; H226 : Flammable liquids Category 3; Flammable liquid and vapour. Skin irritation. 2; H315...... : Skin corrosion/irritation Category 2; Causes skin irritation. Eye Irrit. 2; H319...... : Serious eye damage/eye irritation Category 2; Causes serious eye irritation. STOT SE 3; H335..... : Specific target organ toxicity - single exposure Category 3; May cause respiratory irritation. STOT SE 3; H336.....: Specific target organ toxicity - single exposure Category 3; May cause drowsiness or dizziness. STOT SE 3; H335.....: Specific target organ toxicity - single exposure Category 3; May cause respiratory irritation. Eyedam. 1; H318 : Serious eye damage/eye irritation Category 1; Causes serious eye damage. Flame. Liq. 3; H226 : Flammable liquids Category 3; Flammable liquid and vapour. Skin irritation. 2; H315...... : Skin corrosion/irritation Category 2; Causes skin irritation. STOT SE 1; H370..... : Specific target organ toxicity - single exposure Category 1; Causes damage to organs. Acute Tox. 3; H331.... : Acute toxicity Category 3; Toxic by inhalation. Acute Tox. 3; H311.... : Acute toxicity Category 3; Toxic in contact with skin. Acute Tox. 3; H301.... : Acute toxicity Category 3; Toxic if swallowed. Flame. Liq. 2; H225 : Flammable liquids Category 2; Highly flammable liquid and vapour. Categorization Declaration: Calculation method Specific target organ toxicity - single exposure, Category 3 Calculation method Flammable liquids, Category 2 Calculation method Aspiration hazard, Category 1 Calculation method Long-term (chronic) aquatic hazard, Category 2

- End of safety data sheet -

Calculation method

Calculation method