Alexa Fluor® 594-conjugated AffiniPure™ Rabbit Anti-Chicken

IgY^{††}(IgG), F(ab')₂ Fragment Specific

Safety Data Sheet

According to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830



Date of issue: 25/04/2024 Version: 3.1 SECTION 1: Identification of the substance/mixture and of the company/undertaking **Product identifier** 1.1. Product Form : Mixture Product Name [∶] Alexa Fluor[®] 594-conjugated AffiniPure[™] Rabbit Anti-Chicken IgY^{††}(IgG), F(ab')₂ **Fragment Specific** Product Code : 303-585-006 1.2. Relevant identified uses of the substance or mixture and uses advised against 1.2.1. **Relevant identified uses** Use of the substance/mixture : For in vitro research use only. Not for diagnostic or therapeutic use. This is not a medical device. Contact supplier for specific applications. 1.2.2. Uses advised against No additional information available 1.3. Details of the supplier of the safety data sheet Manufacturer **European Contact** Jackson ImmunoResearch Laboratories, Inc. Jackson ImmunoResearch Europe LTD 872 West Baltimore Pike **Cambridge House** West Grove, PA 19390 St Thomas' Place T: 800-367-5296, 610-869-4024 Ely, Cambridgeshire CB7 4EX, UK F: 610-869-0171 T: +44 (0) 1638 782616 tech@jacksonimmuno.com F: +44 (0) 1353 664675 www.jacksonimmuno.com info@jacksonimmuno.com help@jacksonimmuno.com Email address for the person responsible for this SDS: tech@jacksonimmuno.com 1.4. **Emergency telephone number** Emergency number : +1-610-869-4024 (USA) SECTION 2: Hazards identification Classification of the substance or mixture 2.1. Classification According to Regulation (EC) No. 1272/2008 [CLP] Aquatic Chronic3 H412 Full text of hazard classes and H-statements: see section 16 Adverse physicochemical, human health and environmental effects No additional information available 2.2. Label elements Labelling According to Regulation (EC) No. 1272/2008 [CLP] Hazard statements (CLP) H412 - Harmful to aquatic life with long lasting effects. Precautionary statements (CLP) P273 - Avoid release to the environment.

EUH-statements

2.3. Other hazards

regulation.

P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international

EUH032 - Contact with acids liberates very toxic gas.



Safety Data Sheet

According to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Other hazards not contributing to the : Exposure may aggravate pre-existing eye, skin, or respiratory conditions.

classification

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification According to Regulation (EC) No. 1272/2008 [CLP]
Sodium azide	(CAS-No.) 26628-22-8	0.54	Acute Tox. 2 (Oral), H300
	(EC-No.) 247-852-1		Aquatic Acute 1, H400
	(EC Index-No.)		Aquatic Chronic 1, H410
	011-004-00-7		
Sodium phosphate dibasic	(CAS-No.) 7558-79-4	1.51	Not classified
	(EC-No.) 231-448-7		
Alexa Fluor [®] 594-conjugated	(CAS-No.) Not assigned	1.59	Not classified
AffiniPure™ Rabbit Anti-Chicken			
IgY ^{††} (IgG), F(ab') ₂ Fragment Specific			
Sodium chloride	(CAS-No.) 7647-14-5	15.7	Not classified
	(EC-No.) 231-598-3		
Albumins, blood serum	(CAS-No.) 9048-46-8	16.13	Not classified
	(EC-No.) 232-936-2		

Full text H-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures First-aid measures general : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible). First-aid measures after inhalation : Using proper respiratory protection, move the exposed person to fresh air at once. Immediately call a poison center, physician, or emergency medical service. First-aid measures after skin contact : Remove contaminated clothing. Drench affected area with water for at least 5 minutes. Obtain medical attention if irritation develops or persists. First-aid measures after eye contact : Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention if irritation develops or persists. First-aid measures after ingestion : Rinse mouth. Do NOT induce vomiting. Obtain medical attention. Most important symptoms and effects, both acute and delayed 4.2. Symptoms/effects : Not expected to present a significant hazard under anticipated conditions of normal use. Symptoms/effects after inhalation : May be harmful or cause irritation. Symptoms/effects after skin contact : Prolonged exposure may cause skin irritation. Symptoms/effects after eye contact : May cause slight irritation to eyes. Symptoms/effects after ingestion : Ingestion may cause adverse effects. May be harmful if swallowed. Chronic symptoms : None expected under normal conditions of use.

4.3. Indication of any immediate medical attention and special treatment needed

If exposed or concerned, get medical advice and attention. If medical advice is needed, have product container or label at hand.



Safety Data Sheet

According to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

SECTION 5: Firefighting	g measures
5.1. Extinguishing media	
Suitable extinguishing media	: Water spray, fog, carbon dioxide (CO ₂), alcohol-resistant foam, or dry chemical.
	Use extinguishing media appropriate for surrounding fire.
Unsuitable extinguishing media	: Do not use a heavy water stream. Use of heavy stream of water may spread fire.
5.2. Special hazards ar	rising from the substance or mixture
Fire hazard	: Not Assigned
Reactivity	: Sodium azide in water is a weak base. Reacts with copper, lead, silver, mercury, and carbon disulfide to form shock-sensitive compounds. Reacts with acids, forming toxic and explosive hydrogen azide. Contact with acids liberates toxic gas.
Hazardous decomposition produces of fire	ucts in : Hydrogen chloride. Sodium oxides. Nitrogen oxides.
5.3. Advice for firefigh	hters
Precautionary measures fire	: Exercise caution when fighting any chemical fire.
Firefighting instructions	: Use water spray or fog for cooling exposed containers.
Protection during firefighting	: Do not enter fire area without proper protective equipment, including respiratory
	protection.
SECTION 6: Accidental	release measures
6.1. Personal precautions,	protective equipment and emergency procedures
General measures	: Avoid prolonged contact with eyes, skin and clothing.
6.1.1. For non-emergency pers	onnel
Protective equipment	: Use appropriate personal protective equipment (PPE).
Emergency procedures	: Evacuate unnecessary personnel.
6.1.2. For emergency responde	ers
Protective equipment	: Equip cleanup crew with proper protection.
Emergency procedures	: Upon arrival at the scene, a first responder is expected to recognize the presence of dangerous goods, protect oneself and the public, secure the area, and call for the assistance of trained personnel as soon as conditions permit. Ventilate area
6.2. Environmental precau	tions
	: Prevent entry to sewers and public waters. Avoid release to the environment.
6.3. Methods and material	l for containment and cleaning up
For containment	: Contain solid spills with appropriate barriers and prevent migration and entry into sewers or streams.
Methods for cleaning up	: Clean up spills immediately and dispose of waste safely. Contact competent authorities after a spill.
6.4. Reference to other se	
See Section 8 for exposure control	ls and personal protection and Section 13 for disposal considerations.
SECTION 7: Handling a	
7.1. Precautions for safe h	
Precautions for safe handling	· Wash hands and other exposed areas with mild soan and water before eating

Precautions for safe handling	: Wash hands and other exposed areas with mild soap and water before eating,
	drinking or smoking and when leaving work. Avoid prolonged contact with eyes,
	skin and clothing.
Hygiene measures	: Handle in accordance with good industrial hygiene and safety procedures.
7.2. Conditions for safe storage	, including any incompatibilities
Technical measures	: Comply with applicable regulations.



Safety Data Sheet

According to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Storage conditions	: Keep container closed when not in use. Store at 2-8°C (35°F - 46.4°F). Keep/Store
	away from extremely high temperatures and incompatible materials.
Incompatible materials	: Strong acids, strong bases, strong oxidizers. Heavy metals. Halogenated
	hydrocarbons.

7.3. Specific end use(s)

For in vitro research use only. Not for diagnostic or therapeutic use. This is not a medical device. Contact supplier for specific applications.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Sodium chloride (7647-14-5)				
Latvia	OEL TWA (mg/m ³)	5 mg/m ³		
Lithuania	IPRV (mg/m ³)	5 mg/m ³		
Sodium azide (26628-22-8)			
EU	IOELV TWA (mg/m ³)	0,1 mg/m ³		
EU	IOELV STEL (mg/m ³)	0,3 mg/m³		
EU	Notes	Possibility of significant uptake through the skin		
Austria	MAK (mg/m ³)	0,1 mg/m ³		
Austria	MAK Short time value (mg/m³)	0,3 mg/m ³		
Austria	OEL chemical category (AT)	Skin notation		
Belgium	OEL chemical category (BE)	Skin, Skin notation		
Bulgaria	OEL TWA (mg/m³)	0,1 mg/m ³		
Bulgaria	OEL STEL (mg/m ³)	0,3 mg/m ³		
Croatia	GVI (granicna vrijednost izloženosti) (mg/m³)	0,1 mg/m³		
Croatia	KGVI (kratkotrajna granicna vrijednost izloženosti) (mg/m³)	0,3 mg/m³		
Croatia	OEL chemical category (HR)	Skin notation		
Cyprus	OEL TWA (mg/m ³)	0,1 mg/m ³		
Cyprus	OEL STEL (mg/m ³)	0,3 mg/m ³		
Cyprus	OEL chemical category (CY)	Skin-potential for cutaneous absorption		
France	VLE (mg/m ³)	0,3 mg/m ³ (restrictive limit)		
France	VME (mg/m ³)	0,1 mg/m ³ (restrictive limit)		
France	OEL chemical category (FR)	Risk of cutaneous absorption		
Germany	TRGS 900 Occupational exposure limit value (mg/m³)	0,2 mg/m ³		
Gibraltar	Eight hours mg/m3	0,1 mg/m ³		
Gibraltar	Short-term mg/m3	0,3 mg/m ³		
Gibraltar	OEL chemical category (GI)	Skin notation		
Greece	OEL TWA (mg/m³)	0,3 mg/m ³		
Greece	OEL TWA (ppm)	0,1 ppm		



Safety Data Sheet

According to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Greece	OEL STEL (mg/m³)	0,3 mg/m ³
Greece	OEL STEL (ppm)	0,1 ppm
USA ACGIH	ACGIH Ceiling (mg/m ³)	0,29 mg/m ³
USA ACGIH	ACGIH Ceiling (ppm)	0,11 ppm
Italy	OEL TWA (mg/m³)	0,1 mg/m ³
Italy	OEL STEL (mg/m ³)	0,3 mg/m³
Italy	OEL chemical category (IT)	skin - potential for cutaneous absorption
Latvia	OEL TWA (mg/m³)	0,1 mg/m ³
Latvia	OEL chemical category (LV)	skin - potential for cutaneous exposure
Spain	VLA-ED (mg/m³)	0,1 mg/m ³ (indicative limit value)
Spain	VLA-EC (mg/m³)	0,3 mg/m³
Spain	OEL chemical category (ES)	skin - potential for cutaneous absorption
Switzerland	KZGW (mg/m³)	0,4 mg/m³ (inhalable dust)
Switzerland	MAK (mg/m³)	0,2 mg/m³ (inhalable dust)
Netherlands	Grenswaarde TGG 8H (mg/m³)	0,1 mg/m ³
Netherlands	Grenswaarde TGG 15MIN (mg/m³)	0,3 mg/m³
United Kingdom	WEL TWA (mg/m³)	0,1 mg/m ³
United Kingdom	WEL STEL (mg/m ³)	0,3 mg/m³
United Kingdom	WEL chemical category	Potential for cutaneous absorption
Czech Republic	Expozicní limity (PEL) (mg/m³)	0,1 mg/m ³
Czech Republic	OEL chemical category (CZ)	Potential for cutaneous absorption
Denmark	Grænseværdie (langvarig) (mg/m³)	0,1 mg/m ³
Estonia	OEL TWA (mg/m³)	0,1 mg/m ³
Estonia	OEL STEL (mg/m³)	0,3 mg/m³
Estonia	OEL chemical category (ET)	Sensitizer, Skin notation
Finland	HTP-arvo (8h) (mg/m³)	0,1 mg/m ³
Finland	HTP-arvo (15 min)	0,3 mg/m³
Finland	OEL chemical category (FI)	Potential for cutaneous absorption
Hungary	AK-érték	0,1 mg/m ³
Hungary	CK-érték	0,3 mg/m³
Ireland	OEL (8 hours ref) (mg/m³)	0,1 mg/m³
Ireland	OEL (15 min ref) (mg/m3)	0,3 mg/m³
Ireland	OEL chemical category (IE)	Potential for cutaneous absorption
Lithuania	IPRV (mg/m³)	0,1 mg/m³
Lithuania	TPRV (mg/m³)	0,3 mg/m ³
Lithuania	OEL chemical category (LT)	Skin notation
Luxembourg	OEL TWA (mg/m³)	0,1 mg/m³
Luxembourg	OEL STEL (mg/m³)	0,3 mg/m³



Safety Data Sheet

According to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Luxembourg	OEL chemical category (LU)	Possibility of significant uptake through the skin
Malta	OEL TWA (mg/m³)	0,1 mg/m³
Malta	OEL STEL (mg/m ³)	0,3 mg/m³
Malta	OEL chemical category (MT)	Possibility of significant uptake through the skin
Norway	Grenseverdier (AN) (mg/m ³)	0,1 mg/m³
Norway	Grenseverdier (Korttidsverdi) (mg/m3)	0,3 mg/m ³ (value from the regulation)
Poland	NDS (mg/m ³)	0,1 mg/m³
Poland	NDSCh (mg/m ³)	0,3 mg/m³
Romania	OEL TWA (mg/m ³)	0,1 mg/m ³
Romania	OEL STEL (mg/m³)	0,3 mg/m³
Romania	OEL chemical category (RO)	Skin notation
Slovakia	NPHV (priemerná) (mg/m³)	0,1 mg/m³ (Sodium azide)
Slovakia	NPHV (Hranicná) (mg/m³)	0,3 mg/m³
Slovakia	OEL chemical category (SK)	Potential for cutaneous absorption
Slovenia	OEL TWA (mg/m³)	0,1 mg/m³
Slovenia	OEL STEL (mg/m ³)	0,3 mg/m³
Slovenia	OEL chemical category (SL)	Potential for cutaneous absorption
Sweden	nivågränsvärde (NVG) (mg/m³)	0,1 mg/m³
Sweden	kortidsvärde (KTV) (mg/m³)	0,3 mg/m³
Portugal	OEL TWA (mg/m ³)	0,1 mg/m ³ (indicative limit value)
Portugal	OEL STEL (mg/m ³)	0,3 mg/m ³ (indicative limit value)
Portugal	OEL - Ceilings (mg/m ³)	0,29 mg/m ³
Portugal	OEL - Ceilings (ppm)	0,11 ppm (vapor)
Portugal	OEL chemical category (PT)	A4 - Not Classifiable as a Human Carcinogen,skin - potential for cutaneous exposure indicative limit value

8.2. Exposure controls

Appropriate engineering controls

Personal protective equipment

Materials for protective clothing Hand protection Eye and Face Protection Skin and body protection

- : Suitable eye/body wash equipment should be available in the vicinity of any potential exposure. Ensure all national/local regulations are observed.
- : Gloves. Protective clothing. Protective goggles.



- : Chemically resistant materials and fabrics.
- : Wear protective gloves.
- : Chemical safety goggles.
- : Wear suitable protective clothing.



Safety Data Sheet

According to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Respiratory protection	: If exposure limits are exceeded or irritation is experienced, approved respiratory
	protection should be worn. In case of inadequate ventilation, oxygen deficient
	atmosphere, or where exposure levels are not known wear approved respiratory
	protection.
Other information	: When using, do not eat, drink or smoke.

		• •	- •
SECTION 9: Ph	vsical and ch	iemical pro	perties

9.1. Information on basic physical and chemical properties

9.1. Information on basic physical and chemical properties			
Physic	al state	:	Solid
Colour		:	Purple solid
Odour		:	Odourless, as water
Odour	threshold	:	No data available
рН		:	7.6, when rehydrated with indicated volume of H_2O
Evapor	ation rate	:	No data available
Meltin	g point	:	No data available
Freezir	ng point	:	No data available
Boiling	gpoint	:	No data available
Flash p	point	:	No data available
Auto-ig	gnition temperature	:	No data available
Decom	position temerature	:	No data available
Flamm	ability (solid, gas)	:	No data available
Vapou	r pressure	:	No data available
Relativ	e vapour density at 20 °C	:	No data available
Relativ	e density	:	No data available
Solubi	lity	:	Water
Partiti	on coefficent: n-octanol/water	:	No data available
Viscos	ity	:	No data available
Explos	ive properties	:	No data available
Oxidis	ing properties	:	No data available
Explos	ivelimits	:	No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Sodium azide in water is a weak base. Reacts with copper, lead, silver, mercury, and carbon disulfide to form shock-sensitive compounds. Reacts with acids, forming toxic and explosive hydrogen azide. Contact with acids liberates toxic gas.

10.2. Chemical stability

Stable under recommended handling and storage conditions (see section 7).

10.3. Possibility of hazardous reactions

Hazardous polymerization will not occur.

10.4. Conditions to avoid

Extremely high temperatures, and incompatible materials. Sparks, heat, open flame and other sources of ignition.

10.5. Incompatible materials

Strong acids, strong bases, strong oxidizers. Heavy metals. halogenated hydrocarbons.

10.6. Hazardous decomposition products

Sodium oxides. Hydrogen chloride gas. Nitrogen oxides.

Alexa Fluor® 594-conjugated AffiniPure™ Rabbit Anti-Chicken

IgY^{††}(IgG), F(ab')₂ Fragment Specific



Safety Data Sheet

According to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity	
----------------	--

: Not classified

Sodium chloride (7647-14-5)		
LD50 oral rat	3550 mg/kg (Species: Wistar)	
LD50 dermal rabbit	> 10000 mg/kg (Species: New Zealand White)	
LC50 inhalation rat (mg/l)	>42 g/m ³ (Exposure time: 1 h)	
Sodium azide (26628-22-8)		
LD50 oral rat	27 mg/kg	
LD50 oral	45 mg/kg	
LD50 dermal rabbit	20 mg/kg	
Sodium phosphate dibasic (7558-79-4)		
LD50 oral rat	17 g/kg	
LD50 dermal rat	>500 mg/kg (50% solution)	
Skin corrosion/irritation Serious eye damage/irritation	 Not classified pH: 7,6 when rehydrated with indicated volume of H₂O Not classified pH: 7,6 when rehydrated with indicated volume of H₂O 	
Respiratory or skin sensitisation Germ cell mutagenicity Carcinogenicity	Not classifiedNot classifiedNot classified	
Reproductive toxicity STOT-single exposure	Not classifiedNot classifiedNot classified	
Aspiration hazard	: Not classified	
Symptoms/Injuries After Inhalation Symptoms/Injuries After Skin Contact Symptoms/Injuries After Eye Contact Symptoms/Injuries After Ingestion Chronic Symptoms	 May be harmful or cause irritation. Prolonged exposure may cause skin irritation. May cause slight irritation to eyes. Ingestion may cause adverse effects. May be harmful if swallowed. None expected under normal conditions of use. 	

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general

: Harmful to aquatic life with long lasting effects.

Sodium chloride (7647-14-5)	
LC50 fish 1	5560 (5560 - 6080) mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [flow-through])
EC50 Daphnia 1	1000 mg/l (Exposure time: 48 h - Species: Daphnia magna)
LC50 fish 2	12946 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static])
EC50 Daphnia 2	340,7 (340,7 - 469,2) mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])



Safety Data Sheet

According to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

NOEC chronic fish	EC chronic fish 252 mg/l (Species: Pimephales promelas)			
Sodium azide (26628-22-8)				
C50 fish 1 0,8 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss)				
LC50 fish 2	0,7 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus)			
ErC50 (algae)	0,348 mg/l			
2.2. Persistence and degradab	ility			
Alexa Fluor [®] 594-conjugated AffiniPu	ure™ Rabbit Anti-Chicken IgY ^{††} (IgG), F(ab') ₂ Fragment Specific			
Persistence and degradability	Not established.			
2.3. Bioaccumulative potentia	I			
Alexa Fluor [®] 594-conjugated AffiniPu	ure™ Rabbit Anti-Chicken IgY ^{††} (IgG), F(ab') ₂ Fragment Specific			
Bioaccumulative potential	Not established.			
Sodium chloride (7647-14-5)				
BCF fish 1	(no bioaccumulation)			
 2.4. Mobility in soil No additional information available 2.5. Results of PBT and vPvB as No additional information available 	ssessment			
2.6. Other adverse effects				
Other information	: Avoid release to the environment.			
SECTION 13: Disposal con	siderations			
3.1. Waste treatment method	S			
Product/Packaging disposal	: Dispose of contents/container in accordance with local, regional, national, and			
recommendations	international regulations.			
Ecology - waste materials	 Avoid release to the environment. This material is hazardous to the aquatic environment. Keep out of sewers and waterways. 			
SECTION 14: Transport inf	formation			
he shipping description(s) stated her	ein were prepared in accordance with certain assumptions at the time the SDS was author priables that may or may not have been known at the time the SDS was issued.			

ADR		IMDG	ΙΑΤΑ	ADN	RID
14.1.	UN number				
Not reg	gulated for transp	ort			
14.2. UN proper shipping name					
Not ap	plicable	Not applicable	Not applicable	Not applicable	Not applicable
14.3.	Transport haz	ard class(es)			
Not ap	plicable	Not applicable	Not applicable	Not applicable	Not applicable
14.4. Packing group					
Not ap	plicable	Not applicable	Not applicable	Not applicable	Not applicable
14.5.	Environmenta	al hazards			



Safety Data Sheet

According to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Dangerous for the	Dangerous for the	Dangerous for the	Dangerous for the	Dangerous for the
environment : No	environment : No	environment : No	environment : No	environment : No
	Marine pollutant : No			

14.6. Special precautions for user

No additional information available

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

Not applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture 15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

Sodium phosphate dibasic (7558-79-4)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

Sodium chloride (7647-14-5)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

Sodium azide (26628-22-8)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

Albumins, blood serum (9048-46-8)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other informationDate of Preparation or Latest Revision
Data sources: 25/04/2024: Information and data obtained and used in the authoring of this safety data sheet
could come from database subscriptions, official government regulatory body
websites, product/ingredient manufacturer or supplier specific information,
and/or resources that include substance specific data and classifications
according to GHS or their subsequent adoption of GHS.Other information: According to Regulation (EC) No. 1907/2006 (REACH) with its amendment
Regulation (EU) 2015/830

Full Text of H- and EUH-statements:

Acute Tox. 2 (Oral)	Acute toxicity (oral), Category 2
Aquatic Acute 1	Hazardous to the aquatic environment — Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment — Chronic Hazard, Category 1
Aquatic Chronic 3	Hazardous to the aquatic environment — Chronic Hazard, Category 3
H300	Fatal if swallowed.
H400	Very toxic to aquatic life.



Safety Data Sheet

According to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

H410	Very toxic to aquatic life with long lasting effects.	
H412	Harmful to aquatic life with long lasting effects.	
EUH032	Contact with acids liberates very toxic gas.	

Indication of Changes No additional information available

Abbreviations and Acronyms

ACGIMAmerican Conference of Governmental Industrial HygienistsNDS - Najwysze Dopuszcalne Stezenie ChwiloveADNEuropean Agreement Concerning the International Carriage ofNDSCh. Najwysze Dopuszcalne Stezenie ChwiloveADR -European Agreement Concerning the International Carriage ofNDSCh. Najwysze Dopuszcalne Stezenie ChwiloveADR -European Agreement Concerning the International Carriage ofNDSCh. Najwysze Dopuszcalne Stezenie ChwiloveADR -European Agreement Concerning the International Carriage ofNDSCh. Najwysze Dopuszcalne Stezenie ChwiloveATE -Acute Toxicity EstimateNDC - No-Observed Adverve Effect LevelDOD -Biochemical Oxygen DemandPET -Perristishel Exposure LimitsBDD -Biochemical Oxygen DemandPET -Perristishel Exposure LimitsCAS No Chemical Dxygen DemandPEL -Permissible Exposure LimitCDP -Chemical Oxygen DemandREACH -Registration, Evaluation, Authorisation, and Restriction ofCDD -Biochemical Oxygen DemandGoods by RailEC -European Inventory of Existing Commercial ChemicalSDT - Self Accelerating Decomposition TemperatureEDS -Safety Data SheetSDT - Specific Target Organ ToxicityEMS No. (Fire) -IMDG Emergency Schedule FireSTOT - Specific Target Organ ToxicityEMS No. (Spillage) - IMDG Emergency Schedule FireSTOT - Specific Target Organ ToxicityEMS No. (Spillage) - IMDG Emergency Schedule FireSTOT - Specific Target Organ ToxicityEMS No. (Spillage) - IMDG Emergency Schedule FireSTOT - Specific Target Organ ToxicityEMS No. (Spillage) - IMDG Emergency Schedule SpillageTALuft - Technische Angelerin Chainstoffe S10 - Lagerung von <t< th=""><th>Abbreviations and Acronyms</th><th></th></t<>	Abbreviations and Acronyms	
Dangerous Goods by Inland WaterwaysNDSP - Najwyzse Dopuszcalne Stezenie PulapoweADR - European Agreement Concerning the International Carriage ofNDAEL - No-Observed Adverse Effect LevelDangerous Goods by RoadNDEC - No-Observed Effect ConcentrationATE - Acute Toxicity EstimateNDEC - No-Observed Effect ConcentrationBEI - Biological Exposure Indices (BRI)OEL - Occupational Exposure LimitsBOD - Biochemical Oxygen DemandPET - Persissible Exposure LimitCAN No Chemical Abstracts Service NumberPEL - Persissible Exposure LimitCLP - Classification, Labeling and Packaging Regulation (EC) NoPH - Potential Hydrogen1272/2008REACH - Registration, Evaluation, Authorisation, and Restriction ofCD0 - Chemical Oxygen DemandChemicalsEC - European CommunityRID - Regulations Concerning the International Carriage of DangerousECS - Furopean Inventory of Existing Commercial ChemicalSDT - Self Accelerating Decomposition TemperatureEINECS - European Inventory of Existing Commercial ChemicalSDT - Specific Target Organ ToxicityEmS-No. (Spillage) - IMDG Emergency Schedule FireSTT - Specific Target Organ ToxicityEmS-No. (Spillage) - IMDG Emergency Schedule SpillageTA-Luft - Technische Anleitung der LuftET Storogean Inventory of Existraction and Labeling ofThu- Mcentral Organ ToxicityEMS-Go - CCS in Terms of Reduction Growth RateThuD - Theoretical Oxygen DemandEMS-Go - Linerational Alv Transport AssociationTRGS SS1 - Technische Regel für Gefahrstoffe S10 - Lagerung vonIBC Code - International Alv Transport AssociationTRGS S52 - Technisc	ACGIH – American Conference of Governmental Industrial Hygienists	NDS - Najwyzsze Dopuszczalne Stezenie
ADEEuropean Agreement Concerning the International Carriage of Dangerous Goods by RoadNOEC - No-Observed Effect ConcentrationATE - Acute Toxicity EstimateNOEC - No-Observed Effect ConcentrationBCF - Bioconcentration FactorNTP - National Toxicology ProgramBCF - Bioconcentration FactorNTP - National Toxicology ProgramBCF - Bioconcentration SectorNTP - National Toxicology ProgramBCF - Classification, Labeling and Packaging Regulation (EC) NoPEL - Persistent, Bioaccumulative and ToxicCLP - Classification, Labeling and Packaging Regulation (EC) NoPH - Potential Hydrogen1272/2008REACH - Registration, Evaluation, Authorisation, and Restriction of CCDC - Chemical Oxygen DemandECS - Medina Effective ConcentrationGoods by RailECS - Medina Effective ConcentrationSoods by RailEEC - European CommunitySADT - Self Accelerating Decomposition TemperatureEINECS - Furopean Inventory of Existing Commercial ChemicalSDS - Safety Data SheetStubstancesSTEL - Shour LimitETS-No. (Fire) - IMDG Emergency Schedule FireSTOT - Specific Target Organ ToxicityEm-Sho. (Sing In Terms of Reduction Growth RateThOD - Theoretical Oxygen DemandCHS - Globally Harmonized System of Classification and Labeling of IAC - International Aler ChemicationTLM - Technische Alleving zerviceIRC - ChemicationGefahrstoffe ConcentrationTGS SS S5 10 - Technische Regel für Gefahrstoffe S10 - Lagerun von Gefahrstoffe In ortsbeweglichen BehälternIRC - Devinctable Verseure MinitTransport AssociationTRG SSD0 - Technische Regel für Gefahrstoffe - Nutrosamine	ADN – European Agreement Concerning the International Carriage of	NDSCh - Najwyzsze Dopuszczalne Stezenie Chwilowe
DangerousGood by ReadNOEC - No-Observed Effect ConcentrationATE - Acute Toxicity EstimateND - Nevirsytinas Ribinis DydisBTE - Bioconcentration FactorNTP - National Toxicology ProgramBEI - Biological Exposure Indices (BI)OEL - Occupational Exposure LimitsBOD = Biochemical Oxygen DemandPET - Persistent, Bioaccumulative and ToxicCAS No Chemical Abstracts Service NumberPEL - Permissible Exposure LimitCLP - Classification, Labeling and Packaging Regulation (EC) NoPH - Potential HydrogenREXCH - Registration, Evaluation, Authorisation, and Restriction ofCOD-Chemical Service NumberCCD - Chemical Oxygen DemandChemicalsEC - European CommunityREACH - Registration, Evaluation, Authorisation, and Restriction ofEEC - European CommonitySADT - Self Accelerating Decomposition TemperatureSUS StancesStaft - Stort Term Exposure LimitETS-So. (Fire) - IMDG Emergency Schedule FireSTOT - Specific Target Organ ToxicityETS-0 - Ecoson In terms of Reduction Growth RateThOD - Theoretical Oxygen DemandChemicalsThoD - Theoretical Oxygen DemandCHS - International Agency for Research on CancerTPRO - Trumpalakito Poveliko Ribinis DydisIARC - International Augency for Research on CancerTROS - Technical Regel für Gefahrstoffe 10 - Lagerung vonIBC Code - International Bulk Chemical CodeGefahrstoffe In ortsbewegilchen BehälternIMDG - International Agency for Research on CancerTROS - Technicsche Regel für Gefahrstoffe 900 - ArbeitsplatzgeronzwerteIDSC Code - International Maritime Dangerous GoodsTRGS 552 - Tec	Dangerous Goods by Inland Waterways	NDSP - Najwyzsze Dopuszczalne Stezenie Pulapowe
ATT-Acute Toxicity EstimateNRD - Nevirsytinas Ribinis DydisBCF - Bioconcentration FactorNTP - National Toxicology ProgramBCI - Biological Exposure Indices (BEI)DEL - Occupational Exposure LimitsBOD - Biochemical Oxygen DemandPBT - Persistent, Bioaccumulative and ToxicCAN No Chemical Abstracts Service NumberPLE - Permissible Exposure LimitCLP - Classification, Labeling and Packaging Regulation (EC) NoPLH - Potential HydrogenC272/2008REACH - Registration, Evaluation, Authorisation, and Restriction ofCOD - Chemical Oxygen DemandChemicalsEC - European CommunityRDA - Regulations Concerning the International Carriage of DangerousECS0 - Median Effective ConcentrationGoods by RailEEC - European Economic CommunitySADT - Self Accelerating Decomposition TemperatureSubstancesSTEL - Short Term Exposure LimitEMS-No. (Fire) - IMDG Emergency Schedule FireSTEL - Short Term Exposure LimitEU - European UnionTL LTRK - Technical Guidance ConcentrationsEC-Globally Harmonized System of Classification and Labeling ofTLW - Median Tolerance LimitChemicalsTLNO - Theoretical Oxygen DemandIAAC - International Agency for Research on CancerTRM - Median Tolerance LimitIAAC - International Agency for Research on CancerTRM - Median Tolerance LimitIAAC - International Agency for Research on CancerTRO - Theoretical Oxygen DemandIAAC - International Akr Transport AssociationTRG SSS 2 - Technische Regel für Gefahrstoffe S10 - Lagerung vonIBC Code - International Buk Chemical CodeGefahrstoffe	ADR - European Agreement Concerning the International Carriage of	NOAEL - No-Observed Adverse Effect Level
BCFBiological Exposure Indices (BEI)NTP – National Toxicology ProgramBEI - Biological Exposure Indices (BEI)DE - Occupational Exposure LimitsBOD – Biochemical Oxygen DemandPBT - Persistent, Bioaccumulative and ToxicCAS No Chemical Abstracts Service NumberPEL - Permissible Exposure LimitCLP - Classification, Labeling and Packaging Regulation (EC) NoPL - Permissible Exposure Limit1272/2008REACH - Registration, Evaluation, Authorisation, and Restriction ofCOD - Chemical Oxygen DemandChemicalsEC - European CommunityRID - Regulations Concerning the International Carriage of DangerousECS0 - Median Effective ConcentrationGoods by RailECE - European Inventory of Existing Commercial ChemicalSDS - Safety Data SheetSubstancesSTEL - Short Term Exposure LimitEmS-No. (Fire) - IMDG Emergency Schedule FireSTOT - Specific Target Organ ToxicityEuropean UnionFEL Tark - Technical Guidance ConcentrationsErCS0 - ECS0 in Terms of Reduction Growth RateThOD - Theoretical Oxygen DemandChemicalsTLV - Threshold Limit ValueIARA - International Agency for Research on CancerTRRD - Trumpalaliko Poveikio Ribinis DydisIARA - International Maritime Dangerous GoodsTRGS S10 - Technische Regel für Gefahrstoffe 910 - Lagerung vonIBC Code - International Maritime Dangerous GoodsTRGS S20 - Technische Regel für Gefahrstoffe 90 - ArbitrosamineIPNV - Indicative Occupational Exposure Limit ValueChemical Oxygen DemandIARA - International Maritime Dangerous GoodsTRGS S20 - Technische Regel für Gefahrstoffe 90 - Abitro	Dangerous Goods by Road	NOEC - No-Observed Effect Concentration
EEI-Biological Exposure Indices (BEI)OEL - Occupational Exposure LimitsBOD – Biochemical Oxygen DemandPBT - Persistent, Bioaccumulative and ToxicCLP - Classification, Labeling and Packaging Regulation (EC) NoPEL - Permissible Exposure LimitCLP - Classification, Labeling and Packaging Regulation (EC) NoPH - Potential HydrogenCLT272/DO8REACH - Registration, Evaluation, Authorisation, and Restriction ofCOD - Chemical Oxygen DemandChemicalsEC - European CommunityRID - Regulations Concerning the International Carriage of DangerousECS - Media Effective ConcentrationGoods by RailEEC - European Economic CommunitySADT - Self Accelerating Decomposition TemperatureEINECS - European Inventory of Existing Commercial ChemicalSSC - Safety Data SheetSubstancesSTEL - Short Term Exposure LimitEm-No. (Fire) - IMDG Emergency Schedule FireSTOT - Specific Target Organ ToxicityEn-Sho. (Fire) - IMDG Emergency Schedule SpillageTA-Lut - Technische Anletung zur Reinhaltung der LuftEU - European UnionTEL TRK - Technical Guidance ConcentrationsErCS 0- ECS in Terms of Reduction Growth RateTLW - Median Tolerance LimitChemicalsTLV - Threshold Limit ValueIAAC - International Algency for Research on CancerTPRD - Trumpalaikio Poveikio Ribinis DydisIRAC - International Bulk Chemical CodeGefahrstoffe 10 - Lagerong vonIBC Code - International Bulk Chemical CodeGefahrstoffe Sol - Technische Regel für Gefahrstoffe 900 -IDMO - International Algency for Research on CancerTRGS 500 - Technische Regel für Gefahrstoffe 900 - <td>ATE - Acute Toxicity Estimate</td> <td>NRD - Nevirsytinas Ribinis Dydis</td>	ATE - Acute Toxicity Estimate	NRD - Nevirsytinas Ribinis Dydis
BOD - BioChemical Oxygen DemandPBT - Persistent, Bioaccumulative and ToxicCAS No Chemical Abstracts Service NumberPEL - Permissible Exposure LimitCLP - Classification, Labeling and Packaging Regulation (EC) NoPL - Potential Hydrogen1272/2008REACH - Registration, Evaluation, Authorisation, and Restriction ofCOD - Chemical Oxygen DemandChemicalsEC - European CommunityRID - Regulations Concerning the International Carriage of DangerousECG - European Inventory of Existing Commercial ChemicalSDS - Safety Data SheetSubstancesSTEL - Short Term Exposure LimitEmS-No. (Fire) - IMDG Emergency Schedule SpillageTA-Luft - Technical Guidance ConcentrationsErCS - European UnionTEL TKK - Technical Guidance ConcentrationsFCS - ECS O in Terms of Reduction Growth RateThOD - Theoretical Guidance ConcentrationsFCS - ECS O in Terms of reduction Growth RateThOD - Theoretical Oxygen DemandChemicalsTLV - Threshold Limit ValueIATA - International Agency for Research on CancerTPRD - Trumpalakio Poveikio Ribinis DydisIATA - International Agency for Research on CancerTRCS 500 - Technische Regel für Gefahrstoffe 510 - Lagerung vonIBC Code - International Bulk Chemical CodeGefahrstoffe in ortsbeweglichen BehälternIMDG - International Agency for Research on CancerTRGS 590 - Technische Regel für Gefahrstoffe 900 -IDEV - Indicative Occupational Exposure Limit ValueTRGS 590 - Technische Regel für Gefahrstoffe 900 -IDEV - Indicative Occupational Exposure Limit ValueTSCA Foxic S000 - Technische Regel für Gefahrstoffe 903 - Biologische	BCF - Bioconcentration Factor	NTP – National Toxicology Program
CAS No Chemical Abstracts Service NumberPEL - Permisal Beposure LimitCLP - Classification, Labeling and Packaging Regulation (EC) NopH - Potential Hydrogen2172/2008REACH - Registration, Evaluation, Authorisation, and Restriction ofCOD - Chemical Surgen DemandChemicalsEC3 - Huropean CommunityRID - Regulations Concerning the International Carriage of DangerousEC5 - European CommunitySADT - Self Accelerating Decomposition TemperatureEINECS - European Inventory of Existing Commercial ChemicalSD5 - Safety Data SheetSubstancesSTEL - Short Term Exposure LimitEm-SNo. (Fire) - IMDG Emergency Schedule FireSTOT - Specific Target Organ ToxicityEW-SC - European UnionTEL TKK - Technical Authorized System of Classification and Labeling ofCH4Technical Sudance ConcentrationsEV-SL CSO - ECSO in Terms of Reduction Growth RateThOD - Theoretical Oxygen DemandChemicalsTLW - Threshold Limit ValueIARC - International Agency for Research on CancerTRD - Trumpalaikio Poveikio Ribinis DydisIARA - International Air Transport AssociationTRGS 510 - Technische Regel für Gefahrstoffe 510 - Lagerung vonIBC Code - International Air Transport AssociationTRGS 900 - Technische Regel für Gefahrstoffe 900 -INDG - International Air Transport AssociationTRGS 900 - Technische Regel für Gefahrstoffe 903 - BiologischeIDSU - Heave Stowerde Hiert LevelTSCS - Architische Regel für Gefahrstoffe 903 - BiologischeIDSU - Horicative Occupational Exposure Limit ValueTRGS 903 - Technische Regel für Gefahrstoffe 903 - BiologischeIDSU - Horicati	BEI - Biological Exposure Indices (BEI)	OEL - Occupational Exposure Limits
CLP - Classification, Labeling and Packaging Regulation (EC) NopH - Potential Hydrogen1272/2008REACH - Registration, Evaluation, Authorisation, and Restriction ofCOD - Chemical Oxygen DemandChemicalsEC - European CommunityRID - Regulations Concerning the International Carriage of DangerousECOS - Median Effective ConcentrationGoods by RailEC - European Iconomic CommunitySADT - Self Accelerating Decomposition TemperatureEINECS - European Inventory of Existing Commercial ChemicalSDS - Safety Data SheetSubstancesSTEL - Short Term Exposure LimitEmS-No. (Fire) - IMDG Emergency Schedule SpillageTA-Luft - Technische Anleitung zur Reinhaltung der LuftEL - European UnionTEL TRK - Technische Anleitung zur Reinhaltung der LuftEL - European UnionTEL TRK - Technische Anleitung zur Reinhaltung der LuftEL - European UnionTEL TRK - Technische Anleitung zur Reinhaltung der LuftEL - European UnionTEL TRK - Technische Anleitung zur Reinhaltung der LuftEL - European UnionTEL TRK - Technische Anleitung zur Reinhaltung der LuftEL - European UnionTEL TRK - Technische Regel für Gefahrstoffe S10 - Lagerung vonGRS - Globally Harmonized System of Classification and Labeling ofTLM - Median Tolerance LimitIARC - International Agency for Research on CancerTPRD - Trumpalaikio Poveikio Ribnis DydisIARC - International Air Transport AssociationTRGS S52 - Technische Regel für Gefahrstoffe S10 - Lagerung vonIBC Code - International Maritime Dangerous GoodsTRGS S93 - Technische Regel für Gefahrstoffe 903 - BiologischeIPRV - Higg	BOD – Biochemical Oxygen Demand	PBT - Persistent, Bioaccumulative and Toxic
1272/2008REACH - Registration, Evaluation, Authorisation, and Restriction of COD - Chemical Oxygen DemandCOD - Chemical Oxygen DemandChemicalsEC - European CommunityRID - Regulations Concerning the International Carriage of DangerousEC50 - Median Effective ConcentrationGoods by RailEEC - European Economic CommunitySADT - Self Accelerating Decomposition TemperatureEINECS - European Inventory of Existing Commercial ChemicalSDS - Safety Data SheetSubstancesSTEL - Short Term Exposure LimitEmS-No. (Fire) - IMDG Emergency Schedule FireSTD - Specific Target Organ ToxicityErC50 - EC50 in Terms of Reduction Growth RateThOD - Theoretical Guidance ConcentrationsErC50 - EC50 in Terms of Reduction Growth RateThOD - Theoretical Guidance ConcentrationsGHS - Globally Harmonized System of Classification and Labeling of ChemicalsTLM - Median Tolerance LimitIARC - International Agency for Research on CancerTROB - Trimpalaikio Poveikio Ribinis DydisIMDG - International Air Transport AssociationTRGS 552 - Technische Regel für Gefahrstoffe 510 - Lagerung vonIBC Code - International Maritime Dangerous GoodsTRGS 590 - Technische Regel für Gefahrstoffe 900 -IDELV - Indicative Occupational Exposure Limit ValueTRGS 903 - Technische Regel für Gefahrstoffe 903 - BiologischeLD50 - Median Lethal ConcentrationTRGS 903 - Technische Regel für Gefahrstoffe 903 - BiologischeLD62 - Lowest Observed Adverse Effect LevelTSCA - Toxic Substances Control ActLD64 - Lowest Observed Adverse Effect LevelTVA - Time Weighted AverageLD64 - Lowest Observed Adve	CAS No Chemical Abstracts Service Number	PEL - Permissible Exposure Limit
COD - Chemical Oxygen DemandChemicalsEC - European CommunityRID - Regulations Concerning the International Carriage of DangerousEC50 - Median Effective ConcentrationGoods by RailEEC - European Inventory of Existing Commercial ChemicalSADT - Self Accelerating Decomposition TemperatureEINECS - European Inventory of Existing Commercial ChemicalSDS - Safety Data SheetSubstancesSTEL - Short Term Exposure LimitEms-No. (Fire) - IMDG Emergency Schedule FireSTOT - Specific Target Organ ToxicityEms-No. (Spillage) - IMDG Emergency Schedule SpillageTA-Luft - Technische Anleitung zur Reinhaltung der LuftEU - European UnionTEL TRK - Technische Anleitung zur Reinhaltung der LuftErC SD - ECS 0 in Terms of Reduction Growth RateThOD - Theoretical Guidance ConcentrationsGhtS - Globally Harmonized System of Classification and Labeling of ChemicalsTLW - Median Tolerance LimitIATA - International Air Transport AssociationTRG S 510 - Technische Regel für Gefahrstoffe 510 - Lagerung vonIBC Code - International Air Tims Dangerous GoodsTRGS 552 - Technische Regel für Gefahrstoffe - N-NitrosamineIPRV - Ilgalaiko Poveikio Ribinis DydisTRGS 500 - Technische Regel für Gefahrstoffe 900 -IOELV - Indicative Occupational Exposure Limit ValueArbeitsplatzgrenzwerteLOEL - Lowest Observed Adverse Effect LevelTSCA - Toxic Substances Control ActLOSE - Lowest Observed Adverse Effect LevelTVA - Time Weighted AverageLog Kow - Octanol/water Partition CoefficientVLAEC - Valor Limite Ambiental Exposición de Corta DuraciónLog Kow - Soil Organic Conponds <td< td=""><td>CLP – Classification, Labeling and Packaging Regulation (EC) No</td><td>pH – Potential Hydrogen</td></td<>	CLP – Classification, Labeling and Packaging Regulation (EC) No	pH – Potential Hydrogen
EC – European CommunityRID – Regulations Concerning the International Carriage of DangerousECS – European Economic CommunityGoods by RailEIC – European Economic CommunitySADT - Self Accelerating Decomposition TemperatureEINECS – European Inventory of Existing Commercial ChemicalSDS - Safety Data SheetSubstancesSTEL - Short Term Exposure LimitEmS-No. (Fire) - IMDG Emergency Schedule FireSTOT - Specific Target Organ ToxicityETCS - ECS To Terms of Reduction Growth RateThOD – Theoretical Oxygen DemandGHS - Globally Harmonized System of Classification and Labeling ofTLM - Median Tolerance LimitChemicalsTLV - Threshold Limit ValueIARC - International Agency for Research on CancerTPRD - Trumpalaikio Poveikio Ribinis DydisIATA - International Agency for Research on CancerTRGS 510 - Technische Regel für Gefahrstoffe 510 - Lagerung vonIBC Code - International Maritime Dangerous GoodsTRGS 552 - Technische Regel für Gefahrstoffe 910 - Lagerung vonIBCS - Lowest Observed Adverse Effect LevelTSCA - Toxic Substances Control ActLOSC - Median Lethal DoseGrenzwerteLOSE - Lowest Observed Adverse Effect LevelTSCA - Toxic Substances Control ActLOG Kow - Octanol/water Partition CoefficientVUC - Volatile OragonudsLog Kow - Social or the auxion of two largely immiscibleVLA-EU - Valor Limite Ambiental Exposición de Corta DuraciónVEE - Valor Limite Ambiental Exposición de Corta DuraciónVUC - Volatile Organic CompoundsLog Kow - Social Carbon-water Partitioning CoefficientVUC - Volatile Organic CompoundsLog Kow - Octanol	1272/2008	REACH – Registration, Evaluation, Authorisation, and Restriction of
ECS0 - Median Effective ConcentrationGoods by RailEEC - European Economic CommunitySADT - Self Accelerating Decomposition TemperatureEINECS - European Inventory of Existing Commercial ChemicalSDS - Safety Data SheetSubstancesSTEL - Short Term Exposure LimitEmS-No. (Fire) - IMDG Emergency Schedule FireSTOT - Specific Target Organ ToxicityEmS-No. (Spillage) - IMDG Emergency Schedule SpillageTA-Luft - Technische Anleitung zur Reinhaltung der LuftEU - European UnionTEL TRK - Technische Anleitung zur Reinhaltung der LuftEU - European UnionTLM - Median Tolerance LimitGrdS - Globally Harmonized System of Classification and Labeling of ChemicalsTLM - Median Tolerance LimitIATA - International Agency for Research on CancerTRD - Trumpalaikio Poveikio Ribinis DydisIATA - International Air Transport AssociationTRGS 510 - Technische Regel für Gefahrstoffe 510 - Lagerung vonIBC Code - International Maritime Dangerous GoodsTRGS 520 - Technische Regel für Gefahrstoffe 900 -IOELV - Indicative Occupational Exposure Limit ValueArbeitsplatzgrenzwerteLOSD - Median Lethal DoseGrenzwerteLOSE - Lowest Observed Adverse Effect LevelTSCA - Toxic Substances Control ActLog Kow - Soli Organic Carbon-water Partitioning CoefficientVOC - Volatile Organic CompoundsLog Kow - Octanol/water Partition CoefficientVLA-EC - Valor Limite Ambiental Exposition de Corta DuraciónLog Kow - Soli Organic Carbon-water Partitioning CoefficientVLA-EC - Valor Limite Ambiental Exposition de Corta DuraciónLog Kow - Soli Organic Carbon-water Davis Ingert Partition Coeff	COD – Chemical Oxygen Demand	Chemicals
EEC – European Economic CommunitySADT - Self Accelerating Decomposition TemperatureEINECS – European Inventory of Existing Commercial ChemicalSDS - Safety Data SheetSubstancesSTEL - Short Tem Exposure LimitEmS-No. (Fire) - IMDG Emergency Schedule FireSTOT - Specific Target Organ ToxicityEmS-No. (Spillage) - IMDG Emergency Schedule SpillageTA-Luft - Technische Anleitung zur Reinhaltung der LuftEU – European UnionTEL TRK – Technische Anleitung zur Reinhaltung der LuftECS - ECS0 in Terms of Reduction Growth RateThOD – Theoretical Oxygen DemandGHS – Globally Harmonized System of Classification and Labeling ofTLM - Median Tolerance LimitChemicalsTLV - Threshold Limit ValueIARC - International Agency for Research on CancerTPRD - Trumpalaikio Poveikio Ribinis DydisIATA - International Martime Dangerous GoodsTRGS 510 - Technische Regel für Gefahrstoffe 510 - Lagerung vonIBC Code - International Bulk Chemical CodeGefahrstoffen in ortsbeweglichen BehälternINDG - International Airtime Dangerous GoodsTRGS 500 - Technische Regel für Gefahrstoffe 900 –IOELV – Indicative Occupational Exposure Limit ValueArbeitsplatzgrenzwerteLOSO - Median Lethal DoseGrenzwerteLOSEL - Lowest Observed Adverse Effect LevelTSCA - Toxic Substances Control ActLOGF - Lowest-Observed Adverse Effect LevelVCA - Volatile Organic CompoundsLog Kow - Sociol Organic Carbon-water Partitioning CoefficientVOC - Volatile Organic CompoundsLog Kow - Sociol Organic Carbon-water Partition Socie ficientVCA - Volatile Organic CompoundsLog Kow - Soc	EC – European Community	RID – Regulations Concerning the International Carriage of Dangerous
EINECS - European Inventory of Existing Commercial ChemicalSDS - Safety Data SheetSubstancesSTEL - Short Term Exposure LimitEmS-No. (Fire) - IMDG Emergency Schedule FireSTCL - Specific Target Organ ToxicityEmS-No. (Spillage) - IMDG Emergency Schedule SpillageTA-Luft - Technische Anleitung zur Reinhaltung der LuftEU - European UnionTEL TRK - Technische Anleitung zur Reinhaltung der LuftEU - European UnionTLM - Median Tolerance ConcentrationsErCSO - ECSO in Terms of Reduction Growth RateThOD - Theoretical Oxygen DemandGHS - Globally Harmonized System of Classification and Labeling ofTLM - Median Tolerance LimitIARA - International Agency for Research on CancerTPRD - Trumpalaikio Poveikio Ribinis DydisIARA - International Air Transport AssociationTRGS 510 - Technische Regel für Gefahrstoffe 510 - Lagerung vonIBC Code - International Maritime Dangerous GoodsTRGS 552 - Technische Regel für Gefahrstoffe 900 -IPRV - Ilgalaikio Poveikio Ribinis DydisTRGS 900 - Technische Regel für Gefahrstoffe 900 -IOELV - Indicative Occupational Exposure Limit ValueArbeitsplatzgrenzwerteLOSO - Median Lethal DoseGrenzwerteLOSA - Soli Organic Carbon-water Partitioning CoefficientVOC - Volatile Organic CompoundsLog Kow - Octanol/water Partition CoefficientVOC - Volatile Organic CompoundsLog Kow - Octanol/water Partition coefficientVA-E - Valor Limite Ambiental Exposición de Corta DuraciónLog Kow - Soli Organic Carbon-water Partitioning CoefficientVA-E - Valor Limite Ambiental Exposición DiariaLog Kow - Soli Organic Carbon-water Partition Coeffic	EC50 - Median Effective Concentration	Goods by Rail
SubstancesSTEL - Short Term Exposure LimitEmS-No. (Fire) - IMDG Emergency Schedule FireSTOT - Specific Target Organ ToxicityEmS-No. (Spillage) - IMDG Emergency Schedule SpillageTA-Luft - Technische Anleitung zur Reinhaltung der LuftEu-European UnionTEL TRK - Technische Anleitung zur Reinhaltung der LuftErC50 - EC50 in Terms of Reduction Growth RateThOD - Theoretical Guidance ConcentrationsGHS - Globally Harmonized System of Classification and Labeling ofTLM - Median Tolerance LimitIARC - International Agency for Research on CancerTPRD - Trumpalaikio Poveikio Ribinis DydisIARA - International Agency for Research on CancerTRGS 510 - Technische Regel für Gefahrstoffe 510 - Lagerung vonIBC Code - International Bulk Chemical CodeGefahrstoffen in ortsbeweglichen BehälternIMDG - International Maritime Dangerous GoodsTRGS 500 - Technische Regel für Gefahrstoffe 900 -IOELV - Indicative Occupational Exposure Limit ValueArbeitsplatzgrenzwerteLC50 - Median Lethal ConcentrationTRGS 903 - Technische Regel für Gefahrstoffe 903 - BiologischeLD50 - Median Lethal DoseGrenzwerteLOAEL - Lowest Observed Adverse Effect LevelTSCA - Toxic Substances Control ActLDF Coloue-stoilorganic Carbon-water Partitioning CoefficientVOC - Volatile Organic CompoundsLog Kow - Octanol/water Partition CoefficientVLA-EC - Valor Limite Ambiental Exposición de Corta DuraciónLOg Kow - Octanol and waterVME - Valeur Limite De Moyenne ExpositionMAK - Maximum Workplace Concentration/Maximum PermissibleVME - Valeur Limite De Moyenne ExpositionVMA- Maximum Workplace Co	EEC – European Economic Community	SADT - Self Accelerating Decomposition Temperature
Ems-No. (Fire) - IMDG Emergency Schedule FireSTOT - Specific Target Organ ToxicityEms-No. (Spillage) - IMDG Emergency Schedule SpillageTA-Luft - Technische Anleitung zur Reinhaltung der LuftEU - European UnionTEL TRK - Technische Anleitung zur Reinhaltung der LuftEU - European UnionTHC - Technische Anleitung zur Reinhaltung der LuftEU - European UnionTHC - Technische Anleitung zur Reinhaltung der LuftEU - European UnionThOD - Theoretical Oxygen DemandGHS - Globally Harmonized System of Classification and Labeling ofTLW - Median Tolerance LimitIARC - International Agency for Research on CancerTRD - Trumpalaikio Poveikio Ribinis DydisIATA - International Agency for Research on CancerTRGS 510 - Technische Regel für Gefahrstoffe 510 - Lagerung vonIBC Code - International Bulk Chemical CodeGefahrstoffen in ortsbeweglichen BehälternIMDG - International Bulk Chemical CodeGefahrstoffen in ortsbeweglichen BehälternIMDG - International Exposure Limit ValueArbeitsplatzgrenzwerteLOELV - Indicative Occupational Exposure Limit ValueArbeitsplatzgrenzwerteLOSO - Median Lethal ConcentrationTRGS 903 - Technische Regel für Gefahrstoffe 903 - BiologischeLOFC - Lowest Observed Adverse Effect LevelTSCA - Toxic Substances Control ActLOEC - Lowest Observed Adverse Effect LevelVLA-EC - Valor Limite Ambiental Exposición de Corta DuraciónLog Koc - Soil Organic Carbon-water Partitioning CoefficientVCD - Volatile Organic CompoundsLog Kov - Octanol/water Partition coefficientVLA-EC - Valor Limite Ambiental Exposición de Corta DuraciónLog Kow - Octa	EINECS – European Inventory of Existing Commercial Chemical	SDS - Safety Data Sheet
Ems-No. (Spillage) - IMDG Emergency Schedule SpillageTA-Luft - Technische Anleitung zur Reinhaltung der LuftEU - European UnionTEL TRK - Technische Anleitung zur Reinhaltung der LuftErC50 - EC50 in Terms of Reduction Growth RateThOD - Theoretical Guidance ConcentrationsGHS - Globally Harmonized System of Classification and Labeling ofTLM - Median Tolerance LimitIARC - International Agency for Research on CancerTPRD - Trumpalaikio Poveikio Ribinis DydisIARC - International Agency for Research on CancerTPRD - Trumpalaikio Poveikio Ribinis DydisIARC - International Maritime Dangerous GoodsTRGS 510 - Technische Regel für Gefahrstoffe 510 - Lagerung vonIBC Code - International Maritime Dangerous GoodsTRGS 552 - Technische Regel für Gefahrstoffe 900 -IPRV - Ilgalaikio Poveikio Ribinis DydisTRGS 900 - Technische Regel für Gefahrstoffe 900 -IDELV - Indicative Occupational Exposure Limit ValueArbeitsplatzgrenzwerteLD50 - Median Lethal DoseGrenzwerteLOAEL - Lowest Observed Adverse Effect LevelTSCA - Toxic Substances Control ActLD5C - Lowest Observed Adverse Effect LevelVCA - Volatile Organic CompoundsLog Koc - Soil Organic Carbon -water Partitioning CoefficientVLA-EC - Valor Limite Ambiental Exposición de Corta DuraciónLog Pow - Ratio of the equilibrium concentration (C) of a dissolvedVLA-ED - Valor Limite De Moyenne Expositionsubstance in a two-phase system consisting of two largely immiscibleVLA-EV aleur Limite De Moyenne Expositionsubstance in a two-phase system consisting of two largely immiscibleVLE - Valeur Limite De Moyenne Expositionsubstance in a	Substances	STEL - Short Term Exposure Limit
EU - European UnionTEL TRK - Technical Guidance ConcentrationsErC50 - EC50 in Terms of Reduction Growth RateThOD - Theoretical Oxygen DemandGHS - Globally Harmonized System of Classification and Labeling ofTLM - Median Tolerance LimitChemicalsTLV - Threshold Limit ValueIARC - International Agency for Research on CancerTPRD - Trumpalaikio Poveikio Ribinis DydisIATA - International Mair Transport AssociationTRGS 510 - Technische Regel für Gefahrstoffe 510 - Lagerung vonIBC Code - International Maritime Dangerous GoodsTRGS 552 - Technische Regel für Gefahrstoffe - N-NitrosamineIPRV - Ilgalaikio Poveikio Ribinis DydisTRGS 900 - Technische Regel für Gefahrstoffe 900 -IOELV - Indicative Occupational Exposure Limit ValueArbeitsplatzgrenzwerteLC50 - Median Lethal DoseGrenzwerteLOAEL - Lowest Observed Adverse Effect LevelTSCA - Toxic Substances Control ActLOEC - Lowest Observed Adverse Effect ConcentrationTWA - Time Weighted AverageLog Kov - Octanol/Water Partition CoefficientVLA-EC - Volor Límite Ambiental Exposición de Corta DuraciónLog Kow - Octanol/Water Partition CoefficientVLA-EC - Valor Límite Ambiental Exposición Diariasubstance in a two-phase system consisting of two largely immiscibleVLE - Valeur Limite D'expositionsolvents, in this case octanol and waterVWE - Very Persistent and Very BioaccumulativeMAK-Maximum Workplace Concentration for the Prevention of PollutionWGK - Wassergefährdungsklasse	EmS-No. (Fire) - IMDG Emergency Schedule Fire	STOT - Specific Target Organ Toxicity
ErCS0 - ECS0 in Terms of Reduction Growth RateThOD – Theoretical Oxygen DemandGHS - Globally Harmonized System of Classification and Labeling of ChemicalsTLM - Median Tolerance Limit TLV - Threshold Limit ValueIARC - International Agency for Research on CancerTPRD - Trumpalaikio Poveikio Ribinis DydisIATA - International Air Transport AssociationTRGS 510 - Technische Regel für Gefahrstoffe 510 - Lagerung von Gefahrstoffe in ortsbeweglichen BehälternIMDG - International Maritime Dangerous GoodsTRGS 552 - Technische Regel für Gefahrstoffe - N-Nitrosamine TRGS 900 - Technische Regel für Gefahrstoffe 900 - ArbeitsplatzgrenzwerteLOELV - Indicative Occupational Exposure Limit ValueArbeitsplatzgrenzwerteLOS - Median Lethal DoseGrenzwerteLOALL - Lowest Observed Adverse Effect LevelTSCA - Toxic Substances Control ActLOEV - Indicative Occupationing CoefficientVOC - Volatile Organic CompoundsLog Kow - Octanol/water Partition CoefficientVOC - Volatile Organic CompoundsLog Kow - Octanol/water Partition CoefficientVLA-EC - Valor Límite Ambiental Exposición de Corta DuraciónLog Pow - Ratio of the equilibrium concentration (C) of a dissolved solvents, in this case octanol and waterVME - Valor Límite D'expositionMAK - Maximum Workplace Concentration/Maximum Permissible ConcentrationVME - Valeur Limite De VerpositionMARPOL - International Convention for the Prevention of PollutionWGK - Wassergefährdungsklasse	EmS-No. (Spillage) - IMDG Emergency Schedule Spillage	TA-Luft - Technische Anleitung zur Reinhaltung der Luft
GHS - Globally Harmonized System of Classification and Labeling of ChemicalsTLM - Median Tolerance Limit TLV - Threshold Limit ValueIARC - International Agency for Research on CancerTPRD - Trumpalaikio Poveikio Ribinis DydisIARA - International Air Transport AssociationTRGS 510 - Technische Regel für Gefahrstoffe 510 - Lagerung vonIBC Code - International Maritime Dangerous GoodsTRGS 510 - Technische Regel für Gefahrstoffe - N-NitrosamineIPRV - Ilgalaikio Poveikio Ribinis DydisTRGS 900 - Technische Regel für Gefahrstoffe 900 -IOELV - Indicative Occupational Exposure Limit ValueArbeitsplatzgrenzwerteLCS0 - Median Lethal ConcentrationTRGS 903 - Technische Regel für Gefahrstoffe 903 - BiologischeGrenzwerteGrenzwerteLOEL - Lowest Observed Adverse Effect LevelSCA - Toxic Substances Control ActLOE Couest-Observed-Effect ConcentrationTWA - Time Weighted AverageLog Koc - Soil Organic Carbon-water Partitioning CoefficientVCC - Volatile Organic CompoundsLog Pow - Ratio of the equilibrium concentration (C) of a dissolvedVLA-EC - Valor Límite Ambiental Exposición de Corta DuraciónSubstance in a two-phase system consisting of two largely immiscibleVLE - Valeur Limite De Moyenne Expositionsolvents, in this case octanol ad waterVME - Valeur Limite De Moyenne ExpositionMAK - Maximum Workplace Concentration / Maximum PermissibleVEX - Wassergefährdungsklasse	EU – European Union	TEL TRK – Technical Guidance Concentrations
ChemicalsTLV - Threshold Limit ValueIARC - International Agency for Research on CancerTPRD - Trumpalaikio Poveikio Ribinis DydisIARA - International Air Transport AssociationTRGS 510 - Technische Regel für Gefahrstoffe 510 - Lagerung vonIBC Code - International Maritime Dangerous GoodsGefahrstoffen in ortsbeweglichen BehälternIMDG - International Maritime Dangerous GoodsTRGS 502 - Technische Regeln für Gefahrstoffe 900 -IPRV - Ilgalaikio Poveikio Ribinis DydisTRGS 900 - Technische Regel für Gefahrstoffe 900 -IOELV - Indicative Occupational Exposure Limit ValueArbeitsplatzgrenzwerteLCS0 - Median Lethal ConcentrationTRGS 903 - Technische Regel für Gefahrstoffe 903 - BiologischeLDS0 - Median Lethal DoseGrenzwerteLOEL - Lowest Observed Adverse Effect LevelTXA - Time Weighted AverageLOE - Soil Organic Carbon-water Partitioning CoefficientVOC - Volatile Organic CompoundsLog Kow - Octanol/water Partition CoefficientVLA-EC - Valor Límite Ambiental Exposición de Corta DuraciónLog Pow - Ratio of the equilibrium concentration (C) of a dissolvedVLE - Valor Límite Ambiental Exposición Diariasubstance in a two-phase system consisting of two largely immiscibleVLE - Valeur Limite D' expositionMAK - Maximum Workplace Concentration/Maximum PermissibleVME - Valeur Limite De Moyenne ExpositionMARPOL - International Convention for the Prevention of PollutionWGK - Wassergefährdungsklasse		ThOD – Theoretical Oxygen Demand
IARC - International Agency for Research on CancerTPRD - Trumpalaikio Poveikio Ribinis DydisIATA - International Air Transport AssociationTRGS 510 - Technische Regel für Gefahrstoffe 510 - Lagerung vonIBC Code - International Bulk Chemical CodeGefahrstoffen in ortsbeweglichen BehälternIMDG - International Maritime Dangerous GoodsTRGS 552 - Technische Regel für Gefahrstoffe - N-NitrosamineIPRV - Ilgalaikio Poveikio Ribinis DydisTRGS 900 - Technische Regel für Gefahrstoffe 900 -IOELV - Indicative Occupational Exposure Limit ValueArbeitsplatzgrenzwerteLC50 - Median Lethal ConcentrationTRGS 903 - Technische Regel für Gefahrstoffe 903 - BiologischeLD50 - Median Lethal DoseGrenzwerteLOELC - Lowest Observed Adverse Effect LevelTSCA - Toxic Substances Control ActLOEC - Lowest Observed-Effect ConcentrationTWA - Time Weighted AverageLog Koc - Soil Organic Carbon-water Partitioning CoefficientVOC - Volatile Organic CompoundsLog Fow - Ratio of the equilibrium concentration (C) of a dissolvedVLA-EC - Valor Limite Ambiental Exposición de Corta Duraciónsubstance in a two-phase system consisting of two largely immiscibleVME - Valeur Limite D' expositionMAK - Maximum Workplace Concentration/Maximum PermissibleVVB - Very Persistent and Very BioaccumulativeMAR-POL - International Convention for the Prevention of PollutionWGK - Wassergefährdungsklasse	GHS – Globally Harmonized System of Classification and Labeling of	TLM - Median Tolerance Limit
IATA - International Air Transport AssociationTRGS 510 - Technische Regel für Gefahrstoffe 510 - Lagerung vonIBC Code - International Bulk Chemical CodeGefahrstoffen in ortsbeweglichen BehälternIMDG - International Maritime Dangerous GoodsTRGS 552 – Technische Regel für Gefahrstoffe - N-NitrosamineIPRV - Ilgalaikio Poveikio Ribinis DydisTRGS 900 - Technische Regel für Gefahrstoffe 900 –IOELV - Indicative Occupational Exposure Limit ValueArbeitsplatzgrenzwerteLC50 - Median Lethal ConcentrationTRGS 903 - Technische Regel für Gefahrstoffe 903 - BiologischeLD50 - Median Lethal DoseGrenzwerteLOAEL - Lowest Observed Adverse Effect LevelTSCA - Toxic Substances Control ActLOEC - Lowest Observed-Effect ConcentrationTWA - Time Weighted AverageLog Koc - Soil Organic Carbon-water Partitioning CoefficientVLA-EC - Valor Límite Ambiental Exposición de Corta DuraciónLog Kow - Octanol/water Partition CoefficientVLA-ED - Valor Límite Ambiental Exposición Diariasubstance in a two-phase system consisting of two largely immiscibleVLE - Valor Límite De Moyenne Expositionsolvents, in this case octanol and waterVME - Valeur Limite De Moyenne ExpositionMAK – Maximum Workplace Concentration /Maximum PermissiblevPvB - Very Persistent and Very BioaccumulativeMARPOL - International Convention for the Prevention of PollutionWGK - Wassergefährdungsklasse	Chemicals	TLV - Threshold Limit Value
IBC Code - International Bulk Chemical CodeGefahrstoffen in ortsbeweglichen BehälternIMDG - International Maritime Dangerous GoodsTRGS 552 – Technische Regeln für Gefahrstoffe - N-NitrosamineIPRV - Ilgalaikio Poveikio Ribinis DydisTRGS 900 - Technische Regel für Gefahrstoffe 900 –IOELV – Indicative Occupational Exposure Limit ValueArbeitsplatzgrenzwerteLC50 - Median Lethal ConcentrationTRGS 903 - Technische Regel für Gefahrstoffe 903 - BiologischeLD50 - Median Lethal DoseGrenzwerteLOAEL - Lowest Observed Adverse Effect LevelTSCA - Toxic Substances Control ActLOEC - Lowest Observed-Effect ConcentrationTWA - Time Weighted AverageLog Koc - Soil Organic Carbon-water Partitioning CoefficientVOC – Volatile Organic CompoundsLog Pow - Ratio of the equilibrium concentration (C) of a dissolvedVLA-EC - Valor Límite Ambiental Exposición de Corta Duraciónsubstance in a two-phase system consisting of two largely immiscibleVLE – Valeur Limite D'expositionsolvents, in this case octanol and waterVME – Valeur Limite De Moyenne ExpositionMAK – Maximum Workplace Concentration/Maximum PermissiblevPvB - Very Persistent and Very BioaccumulativeWEL – Workplace Exposure LimitWEL – Workplace Exposure LimitMARPOL - International Convention for the Prevention of PollutionWGK - Wassergefährdungsklasse	IARC - International Agency for Research on Cancer	TPRD - Trumpalaikio Poveikio Ribinis Dydis
IMDG - International Maritime Dangerous GoodsTRGS 552 – Technische Regeln für Gefahrstoffe - N-NitrosamineIPRV - Ilgalaikio Poveikio Ribinis DydisTRGS 900 - Technische Regel für Gefahrstoffe 900 –IOELV – Indicative Occupational Exposure Limit ValueArbeitsplatzgrenzwerteLC50 - Median Lethal ConcentrationTRGS 903 - Technische Regel für Gefahrstoffe 903 - BiologischeD50 - Median Lethal DoseGrenzwerteLOEL - Lowest Observed Adverse Effect LevelTSCA - Toxic Substances Control ActLOEC - Lowest-Observed-Effect ConcentrationTWA - Time Weighted AverageLog Koc - Soil Organic Carbon-water Partitioning CoefficientVCC – Volatile Organic CompoundsLog Fow - Ratio of the equilibrium concentration (C) of a dissolvedVLA-EC - Valor Límite Ambiental Exposición de Corta Duraciónsubstance in a two-phase system consisting of two largely immiscibleVME – Valeur Limite D'expositionMAK – Maximum Workplace Concentration/Maximum PermissiblevPvB - Very Persistent and Very BioaccumulativeMARPOL - International Convention for the Prevention of PollutionWGK - Wassergefährdungsklasse	IATA - International Air Transport Association	TRGS 510 - Technische Regel für Gefahrstoffe 510 - Lagerung von
IPRV - Ilgalaikio Poveikio Ribinis DydisTRGS 900 - Technische Regel für Gefahrstoffe 900 -IOELV - Indicative Occupational Exposure Limit ValueArbeitsplatzgrenzwerteLC50 - Median Lethal ConcentrationTRGS 903 - Technische Regel für Gefahrstoffe 903 - BiologischeLD50 - Median Lethal DoseGrenzwerteLOAEL - Lowest Observed Adverse Effect LevelTSCA - Toxic Substances Control ActLOEC - Lowest Observed-Effect ConcentrationTWA - Time Weighted AverageLog Koc - Soil Organic Carbon-water Partitioning CoefficientVOC - Volatile Organic CompoundsLog Fow - Ratio of the equilibrium concentration (C) of a dissolvedVLA-EC - Valor Límite Ambiental Exposición de Corta Duraciónsubstance in a two-phase system consisting of two largely immiscibleVLE - Valeur Limite D'expositionsolvents, in this case octanol and waterVME - Valeur Limite De Moyenne ExpositionMAK - Maximum Workplace Concentration/Maximum PermissiblevPvB - Very Persistent and Very BioaccumulativeMARPOL - International Convention for the Prevention of PollutionWGK - Wassergefährdungsklasse	IBC Code - International Bulk Chemical Code	Gefahrstoffen in ortsbeweglichen Behältern
IOELV – Indicative Occupational Exposure Limit ValueArbeitsplatzgrenzwerteLC50 - Median Lethal ConcentrationTRGS 903 - Technische Regel für Gefahrstoffe 903 - BiologischeLD50 - Median Lethal DoseGrenzwerteLOAEL - Lowest Observed Adverse Effect LevelTSCA - Toxic Substances Control ActLOEC - Lowest-Observed-Effect ConcentrationTWA - Time Weighted AverageLog Koc - Soil Organic Carbon-water Partitioning CoefficientVOC – Volatile Organic CompoundsLog Kow - Octanol/water Partition CoefficientVLA-EC - Valor Límite Ambiental Exposición de Corta DuraciónLog Pow - Ratio of the equilibrium concentration (C) of a dissolvedVLA-ED - Valor Límite Ambiental Exposición Diariasubstance in a two-phase system consisting of two largely immiscibleVLE – Valeur Limite D'expositionsolvents, in this case octanol and waterVME – Valeur Limite De Moyenne ExpositionMAK – Maximum Workplace Concentration/Maximum PermissiblevPvB - Very Persistent and Very BioaccumulativeWEL – Workplace Exposure LimitWEL – Workplace Exposure LimitMARPOL - International Convention for the Prevention of PollutionWGK - Wassergefährdungsklasse	IMDG - International Maritime Dangerous Goods	TRGS 552 – Technische Regeln für Gefahrstoffe - N-Nitrosamine
LC50 - Median Lethal ConcentrationTRGS 903 - Technische Regel für Gefahrstoffe 903 - Biologische GrenzwerteLD50 - Median Lethal DoseGrenzwerteLOAEL - Lowest Observed Adverse Effect LevelTSCA - Toxic Substances Control ActLOEC - Lowest-Observed-Effect ConcentrationTWA - Time Weighted AverageLog Koc - Soil Organic Carbon-water Partitioning CoefficientVOC - Volatile Organic CompoundsLog Kow - Octanol/water Partition CoefficientVLA-EC - Valor Límite Ambiental Exposición de Corta DuraciónLog Pow - Ratio of the equilibrium concentration (C) of a dissolvedVLA-ED - Valor Límite Ambiental Exposición Diariasubstance in a two-phase system consisting of two largely immiscibleVLE - Valeur Limite D'expositionsolvents, in this case octanol and waterVME - Valeur Limite De Moyenne ExpositionMAK - Maximum Workplace Concentration/Maximum PermissiblevPvB - Very Persistent and Very BioaccumulativeConcentrationWEL - Workplace Exposure LimitMARPOL - International Convention for the Prevention of PollutionWGK - Wassergefährdungsklasse	IPRV - Ilgalaikio Poveikio Ribinis Dydis	TRGS 900 - Technische Regel für Gefahrstoffe 900 –
LD50 - Median Lethal DoseGrenzwerteLOAEL - Lowest Observed Adverse Effect LevelTSCA - Toxic Substances Control ActLOEC - Lowest-Observed-Effect ConcentrationTWA - Time Weighted AverageLog Koc - Soil Organic Carbon-water Partitioning CoefficientVOC - Volatile Organic CompoundsLog Kow - Octanol/water Partition CoefficientVLA-EC - Valor Límite Ambiental Exposición de Corta DuraciónLog Pow - Ratio of the equilibrium concentration (C) of a dissolvedVLA-ED - Valor Límite Ambiental Exposición Diariasubstance in a two-phase system consisting of two largely immiscibleVLE - Valeur Límite D'expositionsolvents, in this case octanol and waterVME - Valeur Limite De Moyenne ExpositionMAK - Maximum Workplace Concentration/Maximum PermissiblevPvB - Very Persistent and Very BioaccumulativeConcentrationWEL - Workplace Exposure LimitMARPOL - International Convention for the Prevention of PollutionWGK - Wassergefährdungsklasse	IOELV – Indicative Occupational Exposure Limit Value	Arbeitsplatzgrenzwerte
LOAEL - Lowest Observed Adverse Effect LevelTSCA - Toxic Substances Control ActLOEC - Lowest-Observed-Effect ConcentrationTWA - Time Weighted AverageLog Koc - Soil Organic Carbon-water Partitioning CoefficientVOC - Volatile Organic CompoundsLog Kow - Octanol/water Partition CoefficientVLA-EC - Valor Límite Ambiental Exposición de Corta DuraciónLog Pow - Ratio of the equilibrium concentration (C) of a dissolvedVLA-ED - Valor Límite Ambiental Exposición Diariasubstance in a two-phase system consisting of two largely immiscibleVLE - Valeur Límite D'expositionsolvents, in this case octanol and waterVME - Valeur Limite De Moyenne ExpositionMAK - Maximum Workplace Concentration/Maximum PermissibleVPB - Very Persistent and Very BioaccumulativeConcentrationWEL – Workplace Exposure LimitMARPOL - International Convention for the Prevention of PollutionWGK - Wassergefährdungsklasse	LC50 - Median Lethal Concentration	TRGS 903 - Technische Regel für Gefahrstoffe 903 - Biologische
LOEC - Lowest-Observed-Effect ConcentrationTWA - Time Weighted AverageLog Koc - Soil Organic Carbon-water Partitioning CoefficientVOC - Volatile Organic CompoundsLog Kow - Octanol/water Partition CoefficientVLA-EC - Valor Límite Ambiental Exposición de Corta DuraciónLog Pow - Ratio of the equilibrium concentration (C) of a dissolvedVLA-EC - Valor Límite Ambiental Exposición Diariasubstance in a two-phase system consisting of two largely immiscibleVLE - Valor Límite De Moyenne Expositionsolvents, in this case octanol and waterVME - Valeur Limite De Moyenne ExpositionMAK - Maximum Workplace Concentration/Maximum PermissibleVPB - Very Persistent and Very BioaccumulativeConcentrationWEL - Workplace Exposure LimitMARPOL - International Convention for the Prevention of PollutionWGK - Wassergefährdungsklasse	LD50 - Median Lethal Dose	Grenzwerte
Log Koc - Soil Organic Carbon-water Partitioning CoefficientVOC – Volatile Organic CompoundsLog Kow - Octanol/water Partition CoefficientVLA-EC - Valor Límite Ambiental Exposición de Corta DuraciónLog Pow - Ratio of the equilibrium concentration (C) of a dissolvedVLA-EC - Valor Límite Ambiental Exposición Diariasubstance in a two-phase system consisting of two largely immiscibleVLE – Valor Límite D'expositionsolvents, in this case octanol and waterVME – Valeur Limite De Moyenne ExpositionMAK – Maximum Workplace Concentration/Maximum PermissibleVPB - Very Persistent and Very BioaccumulativeConcentrationWEL – Workplace Exposure LimitMARPOL - International Convention for the Prevention of PollutionWGK - Wassergefährdungsklasse	LOAEL - Lowest Observed Adverse Effect Level	TSCA - Toxic Substances Control Act
Log Kow - Octanol/water Partition CoefficientVLA-EC - Valor Límite Ambiental Exposición de Corta DuraciónLog Pow - Ratio of the equilibrium concentration (C) of a dissolvedVLA-EC - Valor Límite Ambiental Exposición Diariasubstance in a two-phase system consisting of two largely immiscibleVLA-ED - Valor Límite Ambiental Exposición Diariasolvents, in this case octanol and waterVME – Valeur Limite De Moyenne ExpositionMAK – Maximum Workplace Concentration/Maximum PermissiblevPvB - Very Persistent and Very BioaccumulativeConcentrationWEL – Workplace Exposure LimitMARPOL - International Convention for the Prevention of PollutionWGK - Wassergefährdungsklasse	LOEC - Lowest-Observed-Effect Concentration	TWA - Time Weighted Average
Log Pow - Ratio of the equilibrium concentration (C) of a dissolvedVLA-ED - Valor Límite Ambiental Exposición Diariasubstance in a two-phase system consisting of two largely immiscibleVLA-ED - Valor Límite Ambiental Exposición Diariasolvents, in this case octanol and waterVLE – Valeur Limite D'expositionMAK – Maximum Workplace Concentration/Maximum PermissiblevPvB - Very Persistent and Very BioaccumulativeConcentrationWEL – Workplace Exposure LimitMARPOL - International Convention for the Prevention of PollutionWGK - Wassergefährdungsklasse	Log Koc - Soil Organic Carbon-water Partitioning Coefficient	VOC – Volatile Organic Compounds
substance in a two-phase system consisting of two largely immiscible solvents, in this case octanol and waterVLE – Valeur Limite D'expositionMAK – Maximum Workplace Concentration/Maximum Permissible ConcentrationVME – Valeur Limite De Moyenne Exposition vPvB - Very Persistent and Very Bioaccumulative WEL – Workplace Exposure LimitMARPOL - International Convention for the Prevention of PollutionVME – Valeur Limite D'exposition VME – Valeur Limite De Moyenne Exposition vPvB - Very Persistent and Very Bioaccumulative WEL – Workplace Exposure Limit	Log Kow - Octanol/water Partition Coefficient	VLA-EC - Valor Límite Ambiental Exposición de Corta Duración
solvents, in this case octanol and waterVME – Valeur Limite De Moyenne ExpositionMAK – Maximum Workplace Concentration/Maximum Permissible ConcentrationvPvB - Very Persistent and Very Bioaccumulative WEL – Workplace Exposure LimitMARPOL - International Convention for the Prevention of PollutionWGK - Wassergefährdungsklasse	Log Pow - Ratio of the equilibrium concentration (C) of a dissolved	VLA-ED - Valor Límite Ambiental Exposición Diaria
MAK – Maximum Workplace Concentration/Maximum PermissiblevPvB - Very Persistent and Very BioaccumulativeConcentrationWEL – Workplace Exposure LimitMARPOL - International Convention for the Prevention of PollutionWGK - Wassergefährdungsklasse	substance in a two-phase system consisting of two largely immiscible	VLE – Valeur Limite D'exposition
ConcentrationWEL – Workplace Exposure LimitMARPOL - International Convention for the Prevention of PollutionWGK - Wassergefährdungsklasse	solvents, in this case octanol and water	VME – Valeur Limite De Moyenne Exposition
MARPOL - International Convention for the Prevention of Pollution WGK - Wassergefährdungsklasse	MAK – Maximum Workplace Concentration/Maximum Permissible	vPvB - Very Persistent and Very Bioaccumulative
	Concentration	WEL – Workplace Exposure Limit
	MARPOL - International Convention for the Prevention of Pollution	WGK - Wassergefährdungsklasse
EU GHS SDS	EU GHS SDS	

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.