Donkey Anti-Mouse IgM, µ Chain Specific

Safety Data Sheet

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



Date of issue: 26/04/2024 Version: 3.1 SECTION 1: Identification of the substance/mixture and of the company/undertaking **Product identifier** 1.1. Product Form : Mixture Product Name : Fluorescein (FITC)-conjugated AffiniPure[™] F(ab')₂ Fragment Donkey Anti-Mouse IgM, m Chain Specific Product Code : 715-096-020 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 Details of the supplier of the safety data sheet 1.3. 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 F: +44 (0) 1353 664675 tech@jacksonimmuno.com 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 2.1. Classification of the substance or mixture 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]

8	
Hazard statements (CLP)	H412 - Harmful to aquatic life with long lasting effects.
Precautionary statements (CLP)	P273 - Avoid release to the environment.
	P501 - Dispose of contents/container to hazardous or special waste collection
	point, in accordance with local, regional, national and/or international
	regulation.
EUH-statements	EUH032 - Contact with acids liberates very toxic gas.

2.3. Other hazards

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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		
Fluorescein (FITC)-conjugated	(CAS-No.) Not assigned	1.58	Not classified
AffiniPure™ F(ab') ₂ Fragment Donkey			
Anti-Mouse IgM, m Chain 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 of 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.
4.2. Most important symptoms an	d effects, both acute and delayed
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.



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SECTION 5: Firefighting measures 5.1. **Extinguishing media** Suitable extinguishing media : Water spray, fog, carbon dioxide (CO₂), 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 arising 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 products in : Hydrogen chloride. Sodium oxides. Nitrogen oxides. case of fire 5.3. Advice for firefighters 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 Personal precautions, protective equipment and emergency procedures 6.1. : Avoid prolonged contact with eyes, skin and clothing. General measures 6.1.1. For non-emergency personnel : Use appropriate personal protective equipment (PPE). Protective equipment **Emergency procedures** : Evacuate unnecessary personnel. For emergency responders 6.1.2. 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 precautions** : Prevent entry to sewers and public waters. Avoid release to the environment. 6.3. Methods and material 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 sections

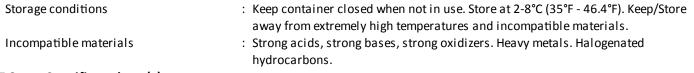
See Section 8 for exposure controls and personal protection and Section 13 for disposal considerations.

SECTION 7: Handling and storage		
7.1. Precautions for safe handling		
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, in	ncluding any incompatibilities	
Technical measures	: Comply with applicable regulations.	

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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/m³
Sodium azide (26628-22-8	3)	
EU	IOELV TWA (mg/m ³)	0,1 mg/m ³
EU	IOELV STEL (mg/m ³)	0,3 mg/m ³
EU	Notes	Possibility of significant uptake through the skin
Austria	MAK (mg/m³)	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/m ³)	0,3 mg/m³
Croatia	OEL chemical category (HR)	Skin notation
Cyprus	OEL TWA (mg/m³)	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

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Greece	OEL STEL (mg/m ³)	0,3 mg/m ³
Greece	OEL STEL (ppm)	0,1 ppm
USA ACGIH	ACGIH Ceiling (mg/m³)	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/m ³
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/m ³
Spain	OEL chemical category (ES)	skin - potential for cutaneous absorption
Switzerland	KZGW (mg/m ³)	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/m ³)	0,3 mg/m ³
United Kingdom	WEL TWA (mg/m³)	0,1 mg/m ³
United Kingdom	WEL STEL (mg/m ³)	0,3 mg/m ³
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/m ³)	0,3 mg/m ³
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/m ³
Finland	OEL chemical category (FI)	Potential for cutaneous absorption
Hungary	AK-érték	0,1 mg/m ³
Hungary	CK-érték	0,3 mg/m ³
Ireland	OEL (8 hours ref) (mg/m ³)	0,1 mg/m ³
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/m ³
Lithuania	TPRV (mg/m ³)	0,3 mg/m ³
Lithuania	OEL chemical category (LT)	Skin notation
Luxembourg	OEL TWA (mg/m³)	0,1 mg/m ³
Luxembourg	OEL STEL (mg/m ³)	0,3 mg/m ³

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Luxembourg	OEL chemical category (LU)	Possibility of significant uptake through the skin
Malta	OEL TWA (mg/m ³)	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/m ³
Poland	NDSCh (mg/m ³)	0,3 mg/m³
Romania	OEL TWA (mg/m ³)	0,1 mg/m³
Romania	OEL STEL (mg/m ³)	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/m ³
Slovenia	OEL chemical category (SL)	Potential for cutaneous absorption
Sweden	nivågränsvärde (NVG) (mg/m³)	0,1 mg/m³
Sweden	kortidsvärde (KTV) (mg/m ³)	0,3 mg/m ³
Portugal	OEL TWA (mg/m³)	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/m³)	0,29 mg/m³
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.

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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
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: When using, do not eat, drink or smoke.

SECTION 9: Physical and chemical properties

9.1.	Information on basic physical and o	chemical	properties
Physica	al state	:	Solid
Colour		:	Light yellow green 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	gpoint	:	No data available
Freezin	g point	:	No data available
Boiling	point	:	No data available
Flash p	point	:	No data available
Auto-ig	nition temperature	:	No data available
Decom	position temerature	:	No data available
Flamm	ability (solid, gas)	:	No data available
Vapour	pressure	:	No data available
Relativ	e vapour density at 20 °C	:	No data available
Relativ	e density	:	No data available
Solubil	ity	:	Water
Partitio	on coefficent: n-octanol/water	:	No data available
Viscosi	ity	:	No data available
Explosi	ve properties	:	No data available
Oxidisi	ing properties	:	No data available
Explosi	velimits	:	No data available
92	Other information		

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.

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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 classified Not classified Not classified 	
Reproductive toxicity STOT-single exposure	: Not classified : Not classified : Not 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/I (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])

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NOEC chronic fish	252 mg/l (Species: Pimephales promelas)	
Sodium azide (26628-22-8)		
LC50 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	
12.2. Persistence and degrada	ability	
Fluorescein (FITC)-conjugated Affin	niPure™ F(ab') ₂ Fragment Donkey Anti-Mouse IgM, m Chain Specific	
Persistence and degradability	Not established.	
12.3. Bioaccumulative potent	ial	
Fluorescein (FITC)-conjugated Affin	niPure™ F(ab') ₂ Fragment Donkey Anti-Mouse IgM, m Chain Specific	
Bioaccumulative potential	Not established.	
Sodium chloride (7647-14-5)		
BCF fish 1	(no bioaccumulation)	
12.4. Mobility in soil No additional information availabl	e	
12.5. Results of PBT and vPvB	assessment	
No additional information availabl	e	
12.6. Other adverse effects		
Other information	: Avoid release to the environment.	
SECTION 13: Disposal co	nsiderations	
13.1. Waste treatment metho	ods	
Product/Packaging disposal recommendations	: Dispose of contents/container in accordance with local, regional, national, and international regulations.	
	: Avoid release to the environment. This material is hazardous to the aquatic	

The shipping description(s) stated herein were prepared in accordance with certain assumptions at the time the SDS was authored, and can vary based on a number of variables that may or may not have been known at the time the SDS was issued. In accordance with ADR / RID / IMDG / IATA / ADN

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 hazard 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. Environmental hazards					
Danger	rous for the	Dangerous for the	Dangerous for the	Dangerous for the	Dangerous for the
		1	I	l	l

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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 information		
Date of Preparation or Latest Revision	: 26/04/2024	
Data sources	: 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.
H410	Very toxic to aquatic life with long lasting effects.



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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

ADNLuropean Agreement Concerning the International Carriage of Dangerous Goods by Inland Waterways ADR - European Agreement Concerning the International Carriage of Dangerous Goods by NoadNDSP - Najwyzse Dopuszcalne Stezenie Pulapowe NDSP - Najwyzse Dopuszcalne Stezenie Chwilowe NDSP - Najwyzse Dopuszcalne Stezenie Pulapowe NDSE - Najwyzse Dopuszcalne Stezenie Pulapowe NDE - Najwyzse Do	ACGIH – American Conference of Governmental Industrial Hygienists	NDS - Najwyzsze Dopuszczalne Stezenie
Dangerous Goods by Inland WaterwaysNDSP - Najwyszer Dopuszczalne Stezenie PulapoweARF - European Agreement Concerning the International Carriage of Dangerous Goods by RoadNOEC - No-Observed Effect ConcentrationART - Acute Toxicity EstimateNDD - Neursytinas Kilonis DydisBCF - Bioconcentration FactorNTP - National Toxicology ProgramBD - Biochemical Oxygen DemandPET - Persistent, Bioaccumulative and ToxicCLP - Classification, Labeling and Packaging Regulation (EC) NoPET - Persistent, Bioaccumulative and Toxic127/2/2008REACH - Registration, Evaluation, Authorisation, and Restriction ofCDD - Chemical Oxygen DemandREACH - Registration, Evaluation, Authorisation, and Restriction ofCDD - Chemical Oxygen DemandRID - Regulations Concerning the International Carriage of DangerousECS - Uropean CommunityRID - Regulations Concerning the International Carriage of DangerousECS - Luropean Inventory of Existing Commercial ChemicalSDT - Safety Data SheetSubtstancesSTE - Shorup Crassition TemperatureEU- European UnionTL Mc - Technische Anleitung ure Reinhaltung der LuftEU- European UnionTL Mc - Technische Anleitung ure Reinhaltung der LuftEU- European UnionTL Mc - Technische Regel für Gefahrstoffe S10 - Lagerung vonIBC Code International Agency for Research on CancerTRO - Theoretical Oxygen DemandIARC - International Agency for Research on CancerTRO - Theoretical Oxygen DemandIARC - International Maritime Dangerous GoodsTRG S552 - Technische Regel für Gefahrstoffe S10 - Lagerung vonIBC Code - International Maritime Dangerous Goods <td></td> <td></td>		
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EU – European UnionTEL TRK – Technical Guidance ConcentrationsErC50 - EC50 in Terms of Reduction Growth RateThOD – Theoretical Oxygen DemandGHS – Globally Harmonized System of Classification and Labeling of ChemicalsTLM - Median Tolerance LimitIARC - International Agency for Research on CancerTLV - Threshold Limit ValueIARC - International Agency for Research on CancerTRBD – Trumpalaikio Poveikio Ribinis DydisIARC - International Bulk Chemical CodeGefahrstoffen in ortsbeweglichen BehälternIMDG - 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 ValueArbeitsplatzgrenzwerteLC50 - Median Lethal ConcentrationTRGS 903 - Technische Regel für Gefahrstoffe 903 - BiologischeGrenzwerteGrenzwerteLOEL - Lowest Observed Adverse Effect LevelTSCA - Toxic Substances Control ActLOEC - Lowest Observed Adverse Effect LevelTWA - Time Weighted AverageLog Kow - Octanol/water Partitioning CoefficientVOC - Volatile Organic CompoundsLog Kow - Octanol/water Partition (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 waterWEL – Workplace Exposure LimitMAK - Maximum Workplace Concentration/Maximum PermissibleWEL – Workplace Exposure Limit	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 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 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 - BiologischeLDS2 - Median Lethal DoseGrenzwerteLOAEL - Lowest Observed Adverse Effect LevelTVA - Time Weighted AverageLog Kov - Octanol/water Partitioning CoefficientVOC – Volatile Organic CompoundsLog 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 Presoitionvolve Hor - Naxinum Workplace Concentration/Maximum PermissibleVLA-Weir Persistent and Very Bioaccumulativevolve Hor - Very Persistent and Very BioaccumulativeVEL – Workplace Exposure Limit	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 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 - BiologischeGorez - Soil Organic Carbon-water Partitioning CoefficientTCA - Toxic Substances Control ActLog Kow - Octanol/water Partition CoefficientVCC - Volatile Organic CompoundsLog Pow - Ratio of the equilibrium concentration (C) of a dissolvedVLA-EC - Valor Límite Ambiental Exposición de Corta DuraciónVLE - Valeur Limite D'expositionVME - Valeur Limite D'expositionsolvents, in this case octanol and waterVME - Valeur Limite D'expositionMAK - Maximum Workplace Concentration/Maximum PermissibleVME - Valeur Limite D'expositionVEL - Workplace Exposure LimitVME - Workplace Exposure Limit	EU – European Union	TEL TRK – Technical Guidance Concentrations
ChemicalsTLV - Threshold Limit ValueIARC - 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 522 - 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 - BiologischeLDS0 - Median Lethal DoseGrenzwerteLOAEL - Lowest Observed Adverse Effect LevelTSCA - Toxic Substances Control ActLDEC - Lowest Observed-Effect ConcentrationTWA - Time Weighted AverageLog Kov - Octanol/water Partitioning CoefficientVOC - Volatile Organic CompoundsLog Pow - Ratio of the equilibrium concentration (C) of a dissolvedVLA-EC - Valor Límite Ambiental Exposición Diariasolvents, in this case octanol and waterVME - Valeur Limite D' expositionMAK - Maximum Workplace Concentration/Maximum PermissibleVME - Vorkplace Exposure LimitConcentrationWEL - Workplace Exposure Limit	ErC50 - EC50 in Terms of Reduction Growth Rate	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 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 Kow - Octanol/water Partitioning CoefficientVICA-EC - Valor Límite Ambiental Exposición de Corta DuraciónLog Pow - Ratio of the equilibrium concentration (C) of a dissolvedVLA-ED - Valor Límite D'expositionsubstance in a two-phase system consisting of two largely immiscibleVLE - Valor Límite De Moyenne Expositionsolvents, in this case octanol and waterVME - Valeur Limite D'expositionMAK – Maximum Workplace Concentration/Maximum PermissibleVPN - Very Persistent and Very BioaccumulativeWEL – Workplace Exposure LimitWEL – Workplace Exposure Limit	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 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 - BiologischeGrenzwerteGrenzwerteLOAEL - Lowest Observed Adverse Effect LevelTSCA - Toxic Substances Control ActLOEC - Lowest-Observed-Effect ConcentrationTWA - Time Weighted AverageLog Kow - Octanol/water Partition CoefficientVLA-EC - Valor Límite Ambiental Exposición de Corta DuraciónLog Pow - Ratio of the equilibrium concentration (C) of a dissolvedVLE – Valeur Límite D'expositionsubstance in a two-phase system consisting of two largely immiscibleVUE – Valeur Limite De Moyenne ExpositionNAK – Maximum Workplace Concentration/Maximum PermissibleVPB - Very Persistent and Very BioaccumulativeWEL – Workplace Exposure LimitWEL – Workplace Exposure Limit	Chemicals	TLV - Threshold Limit Value
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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 - 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 Diariasubstance in a two-phase system consisting of two largely immiscibleVIE – Valeur Limite De Moyenne 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 Limit	IATA - International Air Transport Association	TRGS 510 - Technische Regel für Gefahrstoffe 510 - Lagerung von
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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 Limit	IMDG - International Maritime Dangerous Goods	TRGS 552 – Technische Regeln für Gefahrstoffe - N-Nitrosamine
LC50 - 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 Limit	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 BioaccumulativeWEL – Workplace Exposure LimitWEL – Workplace Exposure Limit	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 PermissiblevPvB - Very Persistent and Very BioaccumulativeWEL – Workplace Exposure LimitWEL – Workplace Exposure Limit	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-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 Limit	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-ED - 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 PermissiblevPvB - Very Persistent and Very BioaccumulativeWEL – Workplace Exposure LimitWEL – Workplace Exposure Limit	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 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 Limit	LOEC - Lowest-Observed-Effect Concentration	TWA - Time Weighted Average
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MAK – Maximum Workplace Concentration/Maximum Permissible vPvB - Very Persistent and Very Bioaccumulative Concentration WEL – Workplace Exposure Limit		
Concentration WEL – Workplace Exposure Limit		
MARPOL - International Convention for the Prevention of Pollution WGK - Wassergefährdungsklasse		
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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.

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