

		according to Regulation (EC) N	No 1907/2006 (REACH) a	as amended		
		Tin(II) chlo	oride dihydrate			
Creat	on date	12th September 2019				
Revisi	on date	24th April 2023	Version	4.0		
SECT	ON 1: Identification	of the substance/mixture a	nd of the company/ur	dertaking		
1.1.	Product identifier		Tin(II) chloride d	ihydrate		
	Substance / mixture		substance			
	Chemical name		Tin(II) chloride d	ihydrate		
	CAS number		10025-69-1			
	EC (EINECS) number		231-868-0			
	Registration number		01-2119971277-	28		
1.2.	Relevant identified	uses of the substance or m	ixture and uses advise	ed against		
Substance's intended use						
	Chemical production, analytical chemistry, laboratory synthesis, industrial applications. Surface treatm					
	Chemical production,	analytical chemistry, laborator	y synthesis, industrial a	oplications. Surface treatme	ent of metals	
	Chemical production, Substance uses adv		y synthesis, industrial a	oplications. Surface treatme	ent of metals	
	Substance uses adv				ent of metals	
L.3.	Substance uses adv The product should no	vised against	those referred in Section		ent of metals	
L. 3 .	Substance uses adv The product should no	vised against ot be used in ways other then t	those referred in Section		ent of metals	
L. 3 .	Substance uses adv The product should no Details of the suppl	vised against ot be used in ways other then ier of the safety data sheet	those referred in Section	1.	ent of metals	
L.3.	Substance uses adv The product should no Details of the suppl Supplier	vised against ot be used in ways other then ier of the safety data sheet	those referred in Section Ing. Petr Švec - I	1.	ent of metals	
L.3.	Substance uses adv The product should no Details of the suppl Supplier Name or trade r	vised against ot be used in ways other then ier of the safety data sheet	those referred in Section Ing. Petr Švec - I	1. PENTA s.r.o.	ent of metals	
L. 3 .	Substance uses adv The product should no Details of the suppl Supplier Name or trade r	vised against ot be used in ways other then ier of the safety data sheet name	those referred in Section Ing. Petr Švec - I Radiová 1122/1,	1. PENTA s.r.o.	ent of metals	
1.3.	Substance uses adv The product should no Details of the suppl Supplier Name or trade r Address	vised against ot be used in ways other then ier of the safety data sheet name	those referred in Section Ing. Petr Švec - I Radiová 1122/1, Czech Republic	1. PENTA s.r.o.	ent of metals	
1.3.	Substance uses adv The product should no Details of the suppl Supplier Name or trade r Address Identification nu	vised against ot be used in ways other then ier of the safety data sheet name	those referred in Section Ing. Petr Švec - F Radiová 1122/1, Czech Republic 02096013	1. PENTA s.r.o. Praha 10, 102 00	ent of metals	
L. 3 .	Substance uses adv The product should no Details of the suppl Supplier Name or trade r Address Identification nu VAT Reg No	vised against ot be used in ways other then ier of the safety data sheet name	those referred in Section Ing. Petr Švec - I Radiová 1122/1, Czech Republic 02096013 CZ02096013	1. PENTA s.r.o. Praha 10, 102 00	ent of metals	
L. 3 .	Substance uses adv The product should no Details of the suppl Supplier Name or trade r Address Identification nu VAT Reg No Phone	vised against ot be used in ways other then ier of the safety data sheet name	those referred in Section Ing. Petr Švec - F Radiová 1122/1, Czech Republic 02096013 CZ02096013 +420 226 060 68 info@pentachem	1. PENTA s.r.o. Praha 10, 102 00 B1 cals.eu	ent of metals	
1.3.	Substance uses adv The product should no Details of the suppl Supplier Name or trade of Address Identification nu VAT Reg No Phone E-mail Web address	vised against ot be used in ways other then ier of the safety data sheet name	those referred in Section Ing. Petr Švec - I Radiová 1122/1, Czech Republic 02096013 CZ02096013 +420 226 060 68 info@pentachemi www.pentachemi	1. PENTA s.r.o. Praha 10, 102 00 B1 cals.eu	ent of metals	
L. 3 .	Substance uses adv The product should no Details of the suppl Supplier Name or trade of Address Identification nu VAT Reg No Phone E-mail Web address	vised against ot be used in ways other then ier of the safety data sheet name umber (CRN)	those referred in Section Ing. Petr Švec - I Radiová 1122/1, Czech Republic 02096013 CZ02096013 +420 226 060 68 info@pentachemi www.pentachemi	1. PENTA s.r.o. Praha 10, 102 00 B1 cals.eu cals.eu	ent of metals	
1.3.	Substance uses adv The product should no Details of the suppl Supplier Name or trade of Address Identification no VAT Reg No Phone E-mail Web address Competent person of	vised against ot be used in ways other then ier of the safety data sheet name umber (CRN)	those referred in Section Ing. Petr Švec - I Radiová 1122/1, Czech Republic 02096013 CZ02096013 +420 226 060 68 info@pentachemi www.pentachemi ata sheet	1. PENTA s.r.o. Praha 10, 102 00 B1 cals.eu cals.eu PENTA s.r.o.	ent of metals	
1.3.	Substance uses adv The product should no Details of the suppl Supplier Name or trade r Address Identification nu VAT Reg No Phone E-mail Web address Competent person r Name	vised against ot be used in ways other then t ier of the safety data sheet name umber (CRN)	those referred in Section Ing. Petr Švec - F Radiová 1122/1, Czech Republic 02096013 CZ02096013 +420 226 060 68 info@pentachemi www.pentachemi ata sheet Ing. Petr Švec - F	1. PENTA s.r.o. Praha 10, 102 00 B1 cals.eu cals.eu PENTA s.r.o.	ent of metals	

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture Classification of the substance in accordance with Regulation (EC) No 1272/2008

The substance is classified as dangerous.

Met. Corr. 1, H290 Acute Tox. 4, H302+H312 Skin Corr. 1, H314 Skin Sens. 1, H317 Eye Dam. 1, H318 STOT SE 3, H335 STOT RE 2, H373 (cardiovascular system) Aquatic Chronic 3, H412

Full text of all classifications and hazard statements is given in the section 16.

Most serious adverse physico-chemical effects

May be corrosive to metals.

Most serious adverse effects on human health and the environment

May cause an allergic skin reaction. Causes serious eye damage. May cause respiratory irritation. May cause damage to cardiovascular system through prolonged or repeated exposure. Causes severe skin burns and eye damage. Harmful if swallowed or in contact with skin. Harmful to aquatic life with long lasting effects.

penta[°] CHEMICALS UNLIMITED

Safety data sheet

		according to Regulation (EC)					
		Tin(II) chl	oride dihydrate				
eation	n date	12th September 2019	-				
evision	n date	24th April 2023	Version	4.0			
	Label elements Hazard pictogram						
	Signal word						
	Danger						
	Dangerous substar	nce					
	Tin(II) chloride dihydrate (EC: 231-868-0; CAS: 10025-69-1)						
	Hazard statements						
	H290	May be corrosive to	o metals.				
	H314	Causes severe skin	burns and eye damage.				
	H317	May cause an aller	gic skin reaction.				
	H335	May cause respirat	ory irritation.				
	H373	May cause damage exposure.	to cardiovascular systen	n through prolonged or repeated			
	H412	Harmful to aquatic	life with long lasting effe	cts.			
	H302+H312	Harmful if swallowe	ed or in contact with skin				
	Precautionary state	ements					
	P260	Do not breathe Du	st.				
	P280	Wear protective glo	oves.				
	P303+P361+P353	IF ON SKIN (or hai with water or show		all contaminated clothing. Rinse skin			
	P305+P351+P338		cautiously with water for nd easy to do. Continue	several minutes. Remove contact rinsing.			
	P310	Immediately call a	doctor.				

criteria for PBT or vPvB in accordance with Annex XIII of Regulation (EC) No. 1907/2006 (REACH) as amended. Dust

may form explosive mixture with air.

SECTION 3: Composition/information on ingredients

3.1. Substances

Chemical characterization

The substance specified below.

Identification numbers	Substance name	Content in % weight	Classification according to Regulation (EC) No 1272/2008	Note
CAS: 10025-69-1 EC: 231-868-0 Registration number: 01-2119971277-28	substance main component Tin(II) chloride dihydrate	≥97	Met. Corr. 1, H290 Acute Tox. 4, H302+H312 Skin Corr. 1B, H314 Skin Sens. 1, H317 Eye Dam. 1, H318 STOT SE 3, H335 STOT RE 2, H373 (cardiovascular system) Aquatic Chronic 3, H412	



SAFETY DATA SHEET according to Regulation (EC) No 1907/2006 (REACH) as amended Tin(II) chloride dihydrate										
						Creation date	12th September 2019			
						Revision date	24th April 2023	Version	4.0	

Full text of all classifications and hazard statements is given in the section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

Take care of your own safety. If any health problems are manifested or if in doubt, inform a doctor and show him information from this safety data sheet. If unconscious, put the person in the stabilized (recovery) position on his side with his head slightly bent backwards and make sure that airways are free; never induce vomiting. If the person vomits by himself, make sure that the vomit is not inhaled. In life threatening conditions first of all provide resuscitation of the affected person and ensure medical assistance. Respiratory arrest - provide artificial respiration immediately. Cardiac arrest - provide indirect cardiac massage immediately.

If inhaled

Terminate the exposure immediately; move the affected person to fresh air. Take care of your own safety, do not let the affected person walk! Beware of the contaminated clothes. Depending on the situation, call the medical rescue service and ensure medical treatment considering the frequent need of further observation for at least 24 hours.

If on skin

Remove contaminated clothes. Take off any rings, watches, bracelets before or during washing if worn in the contaminated areas of the skin. Rinse contaminated areas with a flow of water, lukewarm at best, for 10-30 minutes; do not use any brush, soap or neutralizers. Depending on the situation, call the medical rescue service and always ensure medical treatment. Rinse cautiously with water for several minutes. Rinse skin with water or shower.

If in eyes

Do not rub your eyes – it could lead to mechanical damage of the cornea. Rinse eyes immediately with a flow of running water, open the eyelids (also using force if needed); remove contact lenses immediately if worn by the affected person. No neutralization should be performed in any case! Rinsing should be continued for 10-30 minutes from the inner to the outer eye corner to make sure that the other eye is not involved. Depending on the situation, call medical rescue service or ensure medical treatment as promptly as possible. Everyone must be referred for treatment even if affected only a little.

If swallowed

RINSE THE MOUTH WITH WATER IMMEDIATELY AND LET THE PERSON DRINK 2-5 dl of cold water to reduce the heating effect of the corrosive substance. Consuming larger amounts of liquid is not advisable as it may induce vomiting and potential inhaling of the corrosive substances in the lungs. The affected person must not be forced to drink, particularly if already feeling pain in the mouth or throat. In this case let the affected person only rinse the mouth with water. DO NOT PROVIDE ACTIVATED CARBON! Depending on the situation, call medical rescue service or ensure medical treatment as promptly as possible.

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

If inhaled

Inhaling dust can cause corrosion of the breathing system. May cause respiratory irritation.

If on skin

Causes severe skin burns. May cause an allergic skin reaction.

If in eyes

Causes serious eye damage.

If swallowed

Corrosion of the digestion system can occur.

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

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Alcohol-resistant foam, carbon dioxide, powder, water spray jet, water mist.

Unsuitable extinguishing media

Water - full jet.

5.2. Special hazards arising from the substance or mixture

In the event of fire, carbon monoxide, carbon dioxide and other toxic gases may arise. Inhalation of hazardous degradation (pyrolysis) products may cause serious health damage.



SAFETY DATA SHEET

according to Regulation (EC) No 1907/2006 (REACH) as amended

Tin(II) chloride dihydrate

Creation date	12th September 2019		
Revision date	24th April 2023	Version	4.0

5.3. Advice for firefighters

Self-Contained Breathing Apparatus (SCBA) with a chemical protection suit only where personal (close) contact is likely. Use a self-contained breathing apparatus and full-body protective clothing. Do not allow run-off of contaminated fire extinguishing material to enter drains or surface and ground water.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

- May be corrosive to metals. Use personal protective equipment for work. Follow the instructions in the Sections 7 and 8. Do not inhale dust. Prevent contact with skin and eyes.
- 6.2. Environmental precautions

Prevent contamination of the soil and entering surface or ground water.

6.3. Methods and material for containment and cleaning up

Place the product mechanically in an appropriate manner. Dispose of the collected material according to the instructions in the section 13.

6.4. Reference to other sections See the Section 7, 8 and 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Do not inhale dust. Prevent contact with skin and eyes. Contaminated work clothing should not be allowed out of the workplace. Wash hands and exposed parts of the body thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Use personal protective equipment as per Section 8. Observe valid legal regulations on safety and health protection. Avoid release to the environment.

7.2. Conditions for safe storage, including any incompatibilities

Store in tightly closed containers in cold, dry and well ventilated areas designated for this purpose. Do not expose to sunlight. Keep only in original packaging. Store locked up. Keep container tightly closed.

7.3. Specific end use(s)

not available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

DNEL

Tin(II) chloride dihydrate

Workers / consumers	Route of exposure	Value	Effect	Value determination	Source
Workers	Inhalation	2.01 mg/m ³	Acute effects systemic		
Workers	Inhalation	1 mg/m ³	Chronic effects systemic		
Workers	Inhalation	12.84 mg/m ³	Acute effects local		
Workers	Inhalation	12 mg/m ³	Chronic effects local		
Workers	Dermal	0.69 mg/kg bw/day	Acute effects systemic		
Workers	Dermal	0.34 mg/kg bw/day	Chronic effects systemic		
Consumers	Inhalation	0.256 mg/m ³	Chronic effects systemic		
Consumers	Inhalation	2 mg/m ³	Acute effects systemic		
Consumers	Dermal	0.172 mg/kg bw/day	Chronic effects systemic		



SAFETY DATA SHEET

according to Regulation (EC) No 1907/2006 (REACH) as amended

Tin(II) chloride dihydrate

Creation date	12th September 2019			
Revision date	24th April 2023	Version	4.0	

Tin(II) chloride dihydrate

Workers / consumers	Route of exposure	Value	Effect	Value determination	Source
Consumers	Dermal	0.36 mg/kg bw/day	Acute effects systemic		

PNEC

Tin(II) chloride dihydrate

Route of exposure	Value	Value determination	Source
Microorganisms in sewage treatment	1.06 mg/l		
Drinking water	0.8 mg/l		
Freshwater sediment	51.37 mg/kg of food		

8.2. Exposure controls

Follow the usual measures intended for health protection at work and especially for good ventilation. This can be achieved only by local suction or efficient general ventilation. If exposure limits cannot be observed in this mode, suitable protection of airways must be used. Do not eat, drink and smoke during work. Wash your hands thoroughly with water and soap after work and before breaks for a meal and rest.

Eye/face protection

Protective goggles or face shield (based on the nature of the work performed).

Skin protection

Hand protection: Protective gloves resistant to the product (nitrile rubber). When choosing appropriate thickness, material and permeability of the gloves, observe recommendations of their particular manufacturer. Observe other recommendations of the manufacturer. Other protection: protective workwear. Contaminated skin should be washed thoroughly.

Respiratory protection

Use a mask with anti-dust filter when the exposition limits of the substances are exceeded or at the place with insufficient ventilation.

Thermal hazard

Not available.

Environmental exposure controls

Observe usual measures for protection of the environment, see Section 6.2.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	solid
Colour	white
Odour	without fragrance
Melting point/freezing point	38 °C
Boiling point or initial boiling point and boiling range	data not available
Flammability	non-inflammable
Lower and upper explosion limit	data not available
Flash point	data not available
Auto-ignition temperature	data not available
Decomposition temperature	data not available
рН	1-2 (undiluted)
Kinematic viscosity	data not available
Solubility in water	soluble
Partition coefficient n-octanol/water (log value)	data not available
Vapour pressure	data not available
Density and/or relative density	data not available



		SAFETY	DATA SHEET	
		according to Regulation (EC) No 1907/2006 (REACH) a	as amended
		Tin(II) ch	loride dihydrate	
	on date	12th September 2019		
Revisio	on date	24th April 2023	Version	4.0
9.2.	Relative vapour den Particle characterist Form Other information	ics	data not availabl data not availabl crystalline substa	e
5121	Oxidising properties Explosive properties		•	no oxidizing properties. s not have explosive properties.
	ON 10: Stability and	d reactivity		
10.1.	Reactivity The substance is no	n flammable		
10.2.	Chemical stability			
10.3.	Possibility of haza Unknown.	rdous reactions		
10.4.			under normal use. Protect	t against flames, sparks, overheating and
10.5.		erials ng acids, bases and oxidizing	agents. May be corrosive t	o metals.
10.6.		er normal uses. Dangerous ou	tcomes such as carbon mo	onoxide and carbon dioxide are formed at

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

No toxicological data is available for the substance.

Acute toxicity

Harmful if swallowed or in contact with skin.

Tin(II) chloride dihydrate

Route of exposure	Parameter	Value	Exposure time	Species	Sex
Oral	LD50	2274.6 mg/kg		Rat (Rattus norvegicus)	М
Inhalation	LC50	2 mg/l of air	4 hours	Rat (Rattus norvegicus)	

Skin corrosion/irritation

Causes severe skin burns and eye damage.

Serious eye damage/irritation

Causes serious eye damage. Causes severe skin burns and eye damage.

Respiratory or skin sensitisation

May cause an allergic skin reaction.

Germ cell mutagenicity

Carcinogenicity

Based on available data the classification criteria are not met.

Reproductive toxicity

Based on available data the classification criteria are not met.

Toxicity for specific target organ - single exposure

May cause respiratory irritation.

Toxicity for specific target organ - repeated exposure

May cause damage to cardiovascular system through prolonged or repeated exposure. Based on available data the classification criteria are not met.



	SAFETY	DATA SHEET		
	according to Regulation (EC	C) No 1907/2006 (REACH)	as amended	
	Tin(II) ch	loride dihydrate)	
Creation date	12th September 2019			
Revision date	24th April 2023	Version	4.0	

Aspiration hazard

Based on available data the classification criteria are not met.

11.2. Information on other hazards

The substance does not have endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

SECTION 12: Ecological information

12.1. Toxicity

Acute toxicity

Harmful to aquatic life with long lasting effects.

Tin(II) chloride dihydrate

Parameter	Value	Exposure time	Species	Environment
LC50	9 mg/l	96 hours	Fish (Tapes decussata)	
LC50	50 mg/l	96 hours	Invertebrates	

12.2. Persistence and degradability

not available

12.3. Bioaccumulative potential

Not available.

12.4. Mobility in soil Not available.

12.5. Results of PBT and vPvB assessment

Product does not contain any substance meeting the criteria for PBT or vPvB in accordance with the Annex XIII of Regulation (EC) No 1907/2006 (REACH) as amended.

12.6. Endocrine disrupting properties This substance does not have endocrine disrupting properties with respect to non-target organisms as it does not meet the criteria set out in section B of Regulation (EU) No 2017/2100.

12.7. Other adverse effects

Not available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Hazard of environmental contamination; dispose of the waste in accordance with the local and/or national regulations. Proceed in accordance with valid regulations on waste disposal. Any unused product and contaminated packaging should be put in labelled containers for waste collection and submitted for disposal to a person authorised for waste removal (a specialized company) that is entitled for such activity. Do not empty unused product in drainage systems. The product must not be disposed of with municipal waste. Empty containers may be used at waste incinerators to produce energy or deposited in a dump with appropriate classification. Perfectly cleaned containers can be submitted for recycling.

Waste management legislation

Directive 2008/98/EC of the European Parliament and of the Council of 19 November 2008 on waste, as amended. Decision 2000/532/EC establishing a list of wastes, as amended.

SECTION 14: Transport information

- 14.1. UN number or ID number
 - UN 3260
- **14.2.** UN proper shipping name CORROSIVE SOLID, ACIDIC, INORGANIC, N.O.S. (Tin(II) chloride dihydrate)
- 14.3. Transport hazard class(es)
 - 8 Corrosive substances



		SAFE	TY DATA SHEET		
		according to Regulation	n (EC) No 1907/2006 (REACH) a	as amended	
		Tin(II)	chloride dihydrate		
Creatio	on date	12th September 201	9		
Revisio	on date	24th April 2023	Version	4.0	
14.4.	Packing group				
	III - substances p	resenting low danger			
14.5.	Environmental h	nazards			
	not relevant				
14.6.	Special precauti	ons for user			
Reference in the Sections 4 to 8.					
14.7. Maritime transport in bulk according to IMO instruments not relevant					
	Additional infor	mation			
	Hazard ident	ification No.	80		
	UN number		3260		
	Classification	code	C2		
	Safety signs		8		
	, ,		B		
	Air transport - I	•			
		structions passenger	858		
		ging instructions	862		
	Marine transpor				
	EmS (emerge	ency plan)	F-A, S-B		

SECTION 15: Regulatory information

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

Regulation (EC) No. 1907/2006 of the European Parliament and of the Council of 18th December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing the European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No. 793/93 and Commission Regulation (EC) No. 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, as amended. REGULATION (EC) No. 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL as amended. Commission Regulation (EU) 2020/878 of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

15.2. Chemical safety assessment

A Chemical Safety Assessment has been carried out for this substance.

SECTION 16: Other information

A list of standard risk phras	ses used in the safety data sheet
H290	May be corrosive to metals.
H314	Causes severe skin burns and eye damage.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H335	May cause respiratory irritation.
H373	May cause damage to cardiovascular system through prolonged or repeated exposure.
H412	Harmful to aquatic life with long lasting effects.
H302+H312	Harmful if swallowed or in contact with skin.
Guidelines for safe handlin	g used in the safety data sheet
P260	Do not breathe Dust.

penta[©]CHEMICALS UNLIMITED

Safety data sheet

	SAFETY DATA SHEET
	according to Regulation (EC) No 1907/2006 (REACH) as amended
	Tin(II) chloride dihydrate
Creation date	12th September 2019
Revision date	24th April 2023Version4.0
P280	Wear protective gloves.
P303+P361+P35	3 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
P305+P351+P33	8 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310	Immediately call a doctor.
Other importar	t information about human health protection
The product mus	t not be - unless specifically approved by the manufacturer/importer - used for purposes other that n 1. The user is responsible for adherence to all related health protection regulations.
Key to abbrevia	ations and acronyms used in the safety data sheet
ADR	European agreement concerning the international carriage of dangerous goods by road
BCF	Bioconcentration Factor
CAS	Chemical Abstracts Service
CLP	Regulation (EC) No 1272/2008 on classification, labelling and packaging of substance and mixtures
EC	Identification code for each substance listed in EINECS
EINECS	European Inventory of Existing Commercial Chemical Substances
EmS	Emergency plan
EU	European Union
EuPCS	European Product Categorisation System
IATA	International Air Transport Association
IBC	International Code For The Construction And Equipment of Ships Carrying
IDC	Dangerous Chemicals
ICAO	International Civil Aviation Organization
IMDG	International Maritime Dangerous Goods
IMO	International Maritime Organization
INCI	International Nomenclature of Cosmetic Ingredients
ISO	International Organization for Standardization
	-
IUPAC	International Union of Pure and Applied Chemistry
LC50	Lethal concentration of a substance in which it can be expected death of 50% of the population
LD50	Lethal dose of a substance in which it can be expected death of 50% of the population
log Kow	Octanol-water partition coefficient
OEL	Occupational Exposure Limits
PBT	Persistent, Bioaccumulative and Toxic
ppm	Parts per million
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
RID	Agreement on the transport of dangerous goods by rail
UN	Four-figure identification number of the substance or article taken from the UN Model Regulations
UVCB	Substances of unknown or variable composition, complex reaction products or biological materials
VOC	Volatile organic compounds
vPvB	Very Persistent and very Bioaccumulative
Acute Tox.	Acute toxicity
Aquatic Chronic	Hazardous to the aquatic environment (chronic)
Eye Dam.	Serious eye damage
Met. Corr.	Corrosive to metals
Skin Corr.	Skin corrosion
Skin Sens.	Skin sensitization



	SAFETY	DATA SHEET				
	according to Regulation (EC)	No 1907/2006 (REACH)	as amended			
	Tin(II) chloride dihydrate					
Creation date Revision date	12th September 2019 24th April 2023	Version	4.0			
STOT RE	STOT RE Specific target organ toxicity - repeated exposure					
STOT SE						
Training guid	elines					
Inform the per- ways of handlir		ys of use, mandatory pro	tective equipment, first aid and prohib			
Recommende	d restrictions of use					
not available						
Information about data sources used to compile the Safety Data Sheet						
REGULATION (the manufactur	EC) No. 1272/2008 OF THE EURO rer of the substance / mixture, if av	PEAN PARLIAMENT AND (ailable - information from	5			
The changes (which information has been added, deleted or modified)						

The version 4.0 replaces the SDS version from 02 March 2022. Changes were made in sections 1, 2, 15 and 16.

More information

Classification procedure - calculation method.

Statement

The safety data sheet provides information aimed at ensuring safety and health protection at work and environmental protection. The provided information corresponds to the current status of knowledge and experience and complies with valid legal regulations. The information should not be understood as guaranteeing the suitability and usability of the product for a particular application.