

Safety Data Sheet

according to Regulation (EC) No 1907/2006

OT2 SN62 T3; OT2 SN63 T3; OT2 SN62 T4

Revision date: 18.02.2021

Product code: 950707

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SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier**

OT2 SN62 T3; OT2 SN63 T3; OT2 SN62 T4

Further trade names

This SDS covers the following products:

OT2 SN62 T3

OT2 SN63 T3

OT2 SN62 T4

1.2. Relevant identified uses of the substance or mixture and uses advised against**Use of the substance/mixture**

Solder paste

Uses advised against

any non-intended use.

1.3. Details of the supplier of the safety data sheet**Manufacturer**

Company name:	Cobar Europe BV	
Street:	Aluminiumstraat 2	
Place:	4823 AL Breda	
Telephone:	+31 76 5445566	Telefax: +31 76 5445577
e-mail:	info@Cobar.com	

Supplier

Company name:	Balver Zinn Josef Jost GmbH & Co. KG	
Street:	Blintroper Weg 11	
Place:	D-58802 Balve	
Telephone:	+49 2375 915-0	Telefax: +49 2375 915-114
Responsible Department:	cia@BalverZinn.com	

1.4. Emergency telephone number:+49 (0) 700 24 112 112 (Contract-ID:BZW)
from USA/Canada pls call 011 49 700 24 112 112**SECTION 2: Hazards identification****2.1. Classification of the substance or mixture****Regulation (EC) No. 1272/2008**

Hazard categories:

Reproductive toxicity: Repr. 1A

Reproductive toxicity: Lact.

Specific target organ toxicity - repeated exposure: STOT RE 1

Hazardous to the aquatic environment: Aquatic Acute 1

Hazardous to the aquatic environment: Aquatic Chronic 1

Hazard Statements:

May damage fertility. May damage the unborn child.

May cause harm to breast-fed children.

Causes damage to organs through prolonged or repeated exposure.

Very toxic to aquatic life.

Very toxic to aquatic life with long lasting effects.

2.2. Label elements**Regulation (EC) No. 1272/2008****Hazard components for labelling**

lead powder [particle diameter < 1 mm]

bis(2-(2-methoxyethoxy)ethyl) ether

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Signal word: Danger

Pictograms:



Hazard statements

H360FD May damage fertility. May damage the unborn child.
 H362 May cause harm to breast-fed children.
 H372 Causes damage to organs through prolonged or repeated exposure.
 H410 Very toxic to aquatic life with long lasting effects.

Precautionary statements

P201 Obtain special instructions before use.
 P260 Do not breathe dust/fume/gas/mist/vapours/spray.
 P273 Avoid release to the environment.
 P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
 P308+P313 IF exposed or concerned: Get medical advice/attention.
 P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Special labelling of certain mixtures

EUH208 Contains maleic acid. May produce an allergic reaction.
 Restricted to professional users.

2.3. Other hazards

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

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Hazardous components

CAS No	Chemical name	Quantity
	EC No	Index No
	REACH No	
	GHS Classification	
7439-92-1	lead powder [particle diameter < 1 mm]	30 - 40 %
	231-100-4	082-013-00-1
	01-2119513221-59	
	Repr. 1A, Lact., STOT RE 1, Aquatic Acute 1, Aquatic Chronic 1; H360FD H362 H372 H400 H410	
7440-22-4	Silver powder (< 1 mm)	<2 %
	231-131-3	01-2119555669-21
	Aquatic Acute 1, Aquatic Chronic 1; H400 H410	
143-24-8	bis(2-(2-methoxyethoxy)ethyl) ether	0.5 - < 1 %
	205-594-7	
	Repr. 1B; H360Df	
110-16-7	maleic acid	< 0.1 %
	203-742-5	607-095-00-3
	Acute Tox. 4, Skin Irrit. 2, Eye Irrit. 2, Skin Sens. 1, STOT SE 3; H302 H315 H319 H317 H335	

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

Specific Conc. Limits, M-factors and ATE

CAS No	EC No	Chemical name	Quantity
		Specific Conc. Limits, M-factors and ATE	

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7439-92-1	231-100-4	lead powder [particle diameter < 1 mm]	30 - 40 %
		dermal: LD50 = > 2000 mg/kg; oral: LD50 = > 2000 mg/kg Repr. 1A; H360D: >= 0,03 - 100 STOT RE 1; H372: >= 0,5 - 100 M akut; H400: M=10 M chron.; H410: M=1	
7440-22-4	231-131-3	Silver powder (< 1 mm)	<2 %
		M akut; H400: M=10 M chron.; H410: M=10	
143-24-8	205-594-7	bis(2-(2-methoxyethoxy)ethyl) ether	0.5 - < 1 %
		oral: LD50 = 3850 mg/kg	
110-16-7	203-742-5	maleic acid	< 0.1 %
		oral: LD50 = (2870) mg/kg Skin Sens. 1; H317: >= 0,1 - 100	

Further Information

This mixture contains the following substances of very high concern (SVHC) which are included in the Candidate List according to Article 59 of REACH: lead powder [particle diameter < 1 mm] CAS n°: 7439-92-1; bis(2-(2-methoxyethoxy)ethyl) ether (CAS: 143-24-8)

SECTION 4: First aid measures**4.1. Description of first aid measures****General information**

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible). Change contaminated clothing.

First aider: Pay attention to self-protection!

After inhalation

In case of accident by inhalation: remove casualty to fresh air and keep at rest. Get medical advice/attention.

After contact with skin

Remove contaminated, saturated clothing immediately. Wash immediately with: Water and soap. Get medical advice/attention.

After contact with eyes

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical advice/attention.

After ingestion

Rinse mouth thoroughly with water. Let water be drunken in little sips (dilution effect). Do NOT induce vomiting. Never give anything by mouth to an unconscious person or a person with cramps. Get medical advice/attention.

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

refer to chapter 2 and 11.

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

Treat symptomatically.

SECTION 5: Firefighting measures**5.1. Extinguishing media****Suitable extinguishing media**

Sand
Extinguishing powder
D -powder

Unsuitable extinguishing media

Extinguishing media which must not be used for safety reasons:
Water
High power water jet

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Water spray jet

5.2. Special hazards arising from the substance or mixture

Can be released in case of fire: Gas/vapours, irritant. Carbon monoxide Carbon dioxide (CO₂). Nitrogen oxides (NO_x). Metal oxide smoke, toxic.

5.3. Advice for firefighters

In case of fire and/or explosion do not breathe fumes.
In case of fire: Wear self-contained breathing apparatus.

Additional information

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.
Use water spray jet to protect personnel and to cool endangered containers.
Co-ordinate fire-fighting measures to the fire surroundings.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures**

Ventilate affected area. Remove persons to safety.
Avoid exposure. Do not breathe smoke. Do not breathe vapour/aerosol. Avoid contact with skin, eyes and clothes.
Wear personal protection equipment. (See section 8.)
Use a positive-pressure air-supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air-purifying respirators may not provide adequate protection.

6.2. Environmental precautions

Do not allow to enter into surface water or drains. Prevent spread over a wide area (e.g. by containment or oil barriers). In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

6.3. Methods and material for containment and cleaning up

Take up mechanically.
Treat the recovered material as prescribed in the section on waste disposal.
Clean contaminated objects and areas thoroughly observing environmental regulations.

6.4. Reference to other sections

Safe handling: see section 7
Personal protection equipment: see section 8
Disposal: see section 13

SECTION 7: Handling and storage**7.1. Precautions for safe handling****Advice on safe handling**

Provide adequate ventilation as well as local exhaust at critical locations.
Avoid exposure - obtain special instructions before use.
Do not breathe smoke. Do not breathe vapour/aerosol. Avoid contact with skin, eyes and clothes.
Wear suitable protective clothing. (See section 8.)

Advice on protection against fire and explosion

Usual measures for fire prevention.

Further information on handling

General protection and hygiene measures: See section 8.

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

Keep container tightly closed in a cool, well-ventilated place.
Keep/Store only in original container.

Hints on joint storage

Do not store together with: Explosives. Gas. Oxidizing liquids. Oxidizing solids. Self-reactive substances and

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mixtures. Organic peroxides. Ammonium nitrate and preparations containing ammonium nitrate. Combustible toxic substances. Non-combustible toxic substances. Radioactive substances. Infectious substances.

Further information on storage conditions

Keep the packing dry and well sealed to prevent contamination and absorption of humidity.
Protect against: UV-radiation/sunlight. heat. Humidity frost.
storage temperature: refer to specifications.

7.3. Specific end use(s)

See section 1.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limits (EH40)

CAS No	Substance	ppm	mg/m ³	fibres/ml	Category	Origin
-	Lead other than lead alkyls	-	0.15		TWA (8 h)	CLAW
7440-22-4	Silver, metallic	-	0.1		TWA (8 h)	WEL

Biological Monitoring Guidance Values (EH40)

CAS No	Substance	Parameter	Value	Test material	Sampling time
7439-92-1	Lead (any other employee)	lead	35 µg/dl	blood	Random

DNEL/DMEL values

CAS No	Substance	Exposure route	Effect	Value
143-24-8	bis(2-(2-methoxyethoxy)ethyl) ether			
	Worker DNEL, long-term	dermal	systemic	3 mg/kg bw/day
	Worker DNEL, long-term	inhalation	systemic	22 mg/m ³
	Consumer DNEL, long-term	inhalation	systemic	0,0005 mg/m ³
	Consumer DNEL, long-term	dermal	systemic	0,001 mg/kg bw/day
	Consumer DNEL, long-term	oral	systemic	0,001 mg/kg bw/day
110-16-7	maleic acid			
	Worker DNEL, long-term	dermal	local	0,04 mg/cm ²
	Worker DNEL, acute	dermal	local	0,55 mg/cm ²
	Worker DNEL, long-term	dermal	systemic	3,3 mg/kg bw/day
	Worker DNEL, acute	dermal	systemic	58 mg/kg bw/day

PNEC values

CAS No	Substance	Value
7439-92-1	lead powder [particle diameter < 1 mm]	
	Freshwater	0,0031 mg/l
	Marine water	0,0035 mg/l
	Freshwater sediment	174 mg/kg
	Marine sediment	164 mg/kg

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Secondary poisoning		10,9 mg/kg
Micro-organisms in sewage treatment plants (STP)		0,1 mg/l
Soil		212 mg/kg
143-24-8	bis(2-(2-methoxyethoxy)ethyl) ether	
Marine water		3,2 mg/l
Micro-organisms in sewage treatment plants (STP)		500 mg/l
Freshwater sediment		127 mg/kg
Marine sediment		12,7 mg/kg
Secondary poisoning		8,32 mg/kg
Freshwater		32 mg/l
Soil		6,7 mg/kg
110-16-7	maleic acid	
Freshwater		0,074 mg/l
Freshwater sediment		0,0624 mg/kg
Micro-organisms in sewage treatment plants (STP)		3,33 mg/l

8.2. Exposure controls



Appropriate engineering controls

Provide adequate ventilation as well as local exhaust at critical locations.
Process within closed systems.

Protective and hygiene measures

The usual precautions for handling chemicals should be considered.
Keep away from food, drink and animal feedingstuffs.
Always close containers tightly after the removal of product. When using do not eat, drink, smoke, sniff. Wash hands before breaks and after work. Protect skin by using skin protective cream. Take off contaminated clothing and wash it before reuse. Street clothing should be stored separately from work clothing. Contaminated work clothing should not be allowed out of the workplace.

Eye/face protection

Recommended eye protection brand: Tightly sealed safety glasses. (BS/EN 166)

Hand protection

Wear suitable gloves.
for coarse soldering works: heat insulating.
The selected protective gloves have to satisfy the specifications of EU Directive EC/2016/425 and the standard EN 374 derived from it.
In the case of wanting to use the gloves again, clean them before taking off and air them well. Before using check leak tightness / impermeability.
For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

Skin protection

Protective clothing (heat-resistant)
Minimum standard for preventive measures while handling with working materials are specified in the TRGS 500 (D).

Respiratory protection

With correct and proper use, and under normal conditions, breathing protection is not required.
Respiratory protection necessary at:

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Insufficient ventilation
Exceeding exposure limit values
Release of: Product.
Suitable respiratory protective equipment: Combination filtering device (EN 14387) Type: AP3
The filter class must be suitable for the maximum contaminant concentration (gas/vapour/aerosol/particulates) that may arise when handling the product. If the concentration is exceeded, self-contained breathing apparatus must be used.

Environmental exposure controls

This material and its container must be disposed of in a safe way.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:	Paste	
Colour:	metallic, grey	
Odour:	characteristic.	
pH-Value:		not determined

Changes in the physical state

Melting point:		183 °C
Boiling point or initial boiling point and boiling range:		not determined
Flash point:		not determined

Explosive properties

none

Lower explosion limits:		not determined
Upper explosion limits:		not determined
Decomposition temperature:		not determined

Oxidizing properties

none.

Vapour pressure: (at 20 °C)		not determined
Density:		not determined
Water solubility:		not miscible

Solubility in other solvents

not determined

Viscosity / dynamic: (at 20 °C)		not determined
Viscosity / kinematic: (at 20 °C)		not determined
Flow time:		not determined
Relative vapour density:		not determined

9.2. Other information

Solid content:		not determined
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SECTION 10: Stability and reactivity

10.1. Reactivity

No information available.

10.2. Chemical stability

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The product is chemically stable under recommended conditions of storage, use and temperature.

10.3. Possibility of hazardous reactions

Reacts with : Strong acid, Oxidising agent

10.4. Conditions to avoid

Protect against: UV-radiation/sunlight. heat.

10.5. Incompatible materials

Materials to avoid: Oxidizing agents, strong. Reducing agents, strong. Strong acid. strong alkalis.

10.6. Hazardous decomposition products

Can be released in case of fire: Gas/vapours, irritant. Carbon monoxide Carbon dioxide (CO₂). Nitrogen oxides (NO_x). Metal oxide smoke, toxic.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxicokinetics, metabolism and distribution

No data available.

Acute toxicity

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

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
7439-92-1	lead powder [particle diameter < 1 mm]				
	oral	LD50 > 2000 mg/kg	Rat	Study report (2003)	OECD Guideline 423
	dermal	LD50 > 2000 mg/kg	Rat	Study report (2003)	OECD Guideline 402
143-24-8	bis(2-(2-methoxyethoxy)ethyl) ether				
	oral	LD50 3850 mg/kg	Rat. (OECD 401)	ECHA Dossier	
110-16-7	maleic acid				
	oral	LD50 (2870) mg/kg	Rat	ECHA Dossier	

Irritation and corrosivity

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

Sensitising effects

Contains maleic acid. May produce an allergic reaction.

May cause sensitisation especially in sensitive humans.

Carcinogenic/mutagenic/toxic effects for reproduction

May damage fertility. May damage the unborn child. (lead powder [particle diameter < 1 mm])

May cause harm to breast-fed children. (lead powder [particle diameter < 1 mm])

Germ cell mutagenicity: Based on available data, the classification criteria are not met.

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

lead (CAS No. 7439-92-1):

In vivo mutagenicity/genotoxicity Evidence exists for in-vivo mutagenicity.

Carcinogenicity: LOAEL = >250 ppm (Rat; EPA OTS 798.332; 104 weeks)

Reproductive toxicity: NOAEL = 250 mg/L (Rat; 60d)

Literature information: ECHA Dossier

bis(2-(2-methoxyethoxy)ethyl) ether (CAS-No.: 143-24-8):

In-vitro mutagenicity: No experimental indications of mutagenicity in-vitro exist.

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Literature information: ECHA Dossier

STOT-single exposure

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

STOT-repeated exposure

Causes damage to organs through prolonged or repeated exposure. (lead powder [particle diameter < 1 mm])

bis(2-(2-methoxyethoxy)ethyl) ether (CAS-No.: 143-24-8):

Subacute oral toxicity

Exposure time: 28d

Species: Wistar Rat.

Method: OECD Guideline 407

Result: NOEL = 250 mg/kg(bw)/day

Literature information: ECHA Dossier

Aspiration hazard

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

Specific effects in experiment on an animal

No data available.

SECTION 12: Ecological information

12.1. Toxicity

CAS No	Chemical name					
	Aquatic toxicity	Dose	[h] [d]	Species	Source	Method
7439-92-1	lead powder [particle diameter < 1 mm]					
	Acute fish toxicity	LC50 mg/l	1,17	96 h	Oncorhynchus mykiss	Publication (1976) Acute bioassays
	Acute algae toxicity	ErC50 mg/l	0,123	72 h	Pseudokirchneriella subcapitata	Study report (2008) OECD Guideline 201
	Acute crustacea toxicity	EC50 mg/l	0,1043	48 h	Ceriodaphnia dubia	Study report (2010) other: USEP
	Fish toxicity	NOEC mg/l	0,23	28 d	Cyprinodon variegatus	Study report (2010) other: ASTM Method E1241 2003
	Crustacea toxicity	NOEC mg/l	0,1433	126 d	other aquatic worm: Neanthes arenaceodentata	Study report (2007) other: PERL Protocol No. 3690NA-CSR120 d-
143-24-8	bis(2-(2-methoxyethoxy)ethyl) ether					
	Acute fish toxicity	LC50 mg/l	>500	96 h	Danio rerio (OECD 203)	MSDS extern
	Acute algae toxicity	ErC50 mg/l	8996	72 h	Pseudokirchnerella subcapitata (OECD 201)	ECHA Dossier
	Acute crustacea toxicity	EC50 mg/l	7467	48 h	Daphnia magna (OECD 202)	ECHA Dossier
110-16-7	maleic acid					
	Acute algae toxicity	ErC50 mg/l	(74,35)	96 h	Pseudokirchnerella subcapitata (OECD 201)	ECHA Dossier
	Acute crustacea toxicity	EC50 mg/l	(42,81)	48 h	Daphnia magna (OECD 202)	ECHA Dossier

12.2. Persistence and degradability

CAS No	Chemical name
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	Method	Value	d	Source
	Evaluation			
110-16-7	maleic acid			
	OECD Guideline 301 OECD 301B/ ISO 9439/ EEC 92/69/V, C.4-C	97,08%	28	ECHA Dossier
	Readily biodegradable (according to OECD criteria).			

12.3. Bioaccumulative potential**Partition coefficient n-octanol/water**

CAS No	Chemical name	Log Pow
143-24-8	bis(2-(2-methoxyethoxy)ethyl) ether	-0,84
110-16-7	maleic acid	-0,79

BCF

CAS No	Chemical name	BCF	Species	Source
7439-92-1	lead powder [particle diameter < 1 mm]	40000	Asellus meridianus	Freshwater Biology 7

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

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

12.6. Other adverse effects

No data available.

SECTION 13: Disposal considerations**13.1. Waste treatment methods****Disposal recommendations**

Dispose of waste according to applicable legislation. Consult the local waste disposal expert about waste disposal. Non-contaminated packages may be recycled. According to (EWC) European Waste Catalogue, allocation of waste identity numbers/waste descriptions must be carried out in a specific way for every industry and process.

Control report for waste code/ waste marking according to (EWC) European Waste Catalogue:

List of Wastes Code - residues/unused products

160303 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; off-specification batches and unused products; inorganic wastes containing hazardous substances; hazardous waste

List of Wastes Code - used product

160303 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; off-specification batches and unused products; inorganic wastes containing hazardous substances; hazardous waste

List of Wastes Code - contaminated packaging

150202 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; absorbents, filter materials, wiping cloths and protective clothing; absorbents, filter materials (including oil filters not otherwise specified), wiping cloths, protective clothing contaminated by hazardous substances; hazardous waste

Contaminated packaging

Handle contaminated packages in the same way as the substance itself.

Recommended cleaning agent: Water, if necessary together with cleansing agents.

SECTION 14: Transport information**Land transport (ADR/RID)****14.1. UN number:**

UN 3077

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14.2. UN proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (lead powder [particle diameter < 1 mm])

14.3. Transport hazard class(es): 9

14.4. Packing group: III

Hazard label: 9

Classification code: M7

Special Provisions: 274 335 375 601

Limited quantity: 5 kg

Excepted quantity: E1

Transport category: 3

Hazard No: 90

Tunnel restriction code: -

Inland waterways transport (ADN)

14.1. UN number: UN 3077

14.2. UN proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (lead powder [particle diameter < 1 mm])

14.3. Transport hazard class(es): 9

14.4. Packing group: III

Hazard label: 9

Classification code: M7

Special Provisions: 274 335 375 601

Limited quantity: 5 kg

Excepted quantity: E1

Marine transport (IMDG)

14.1. UN number: UN 3077

14.2. UN proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (lead powder [particle diameter < 1 mm])

14.3. Transport hazard class(es): 9

14.4. Packing group: III

Hazard label: 9

Marine pollutant: YES

Special Provisions: 274, 335, 966, 967, 969

Limited quantity: 5 kg

Excepted quantity: E1

EmS: F-A, S-F

Air transport (ICAO-TI/IATA-DGR)

14.1. UN number: UN 3077

14.2. UN proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (lead powder [particle diameter < 1 mm])

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14.3. Transport hazard class(es):

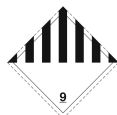
9

14.4. Packing group:

III

Hazard label:

9



Special Provisions:

A97 A158 A179 A197

Limited quantity Passenger:

30 kg G

Passenger LQ:

Y956

Excepted quantity:

E1

IATA-packing instructions - Passenger:

956

IATA-max. quantity - Passenger:

400 kg

IATA-packing instructions - Cargo:

956

IATA-max. quantity - Cargo:

400 kg

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS:

Yes



Danger releasing substance:

lead powder [particle diameter < 1 mm]

14.6. Special precautions for user

See section 8.

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

not relevant.

SECTION 15: Regulatory information

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

EU regulatory information

Authorisations (REACH, annex XIV):

Substances of very high concern, SVHC (REACH, article 59):

lead powder [particle diameter < 1 mm]

Restrictions on use (REACH, annex XVII):

Entry 30

2010/75/EU (VOC):

No information available.

2004/42/EC (VOC):

No information available.

Information according to 2012/18/EU (SEVESO III):

E1 Hazardous to the Aquatic Environment

Additional information

The mixture is classified as hazardous according to regulation (EC) No 1272/2008 [CLP].

REACH 1907/2006 Appendix XVII, No (mixture): 28/29/30, 63

National regulatory information

Employment restrictions:

Observe restrictions to employment for juveniles according to the 'juvenile work protection guideline' (94/33/EC). Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers. Observe employment restrictions for women of child-bearing age.

Water hazard class (D):

2 - obviously hazardous to water

Additional information

Observe technical data sheet.

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15.2. Chemical safety assessment

For the following substances of this mixture a chemical safety assessment has been carried out:
lead powder [particle diameter < 1 mm]

SECTION 16: Other information

Changes

- Rev. 1.00; 12.05.2015, Initial release
- Rev. 1.1; 10.06.2016, Documentation of changes: chapter: 15, 16.
- Rev. 1.2; 08.11.2016, Documentation of changes: chapter: 1, 8, 16.
- Rev. 2.0; 03.07.2018, Changes in chapter: 2, 3, 14, 15.
- Rev. 3.0; 18.02.2021, Changes in chapter: 1- 16.

Abbreviations and acronyms

- ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
- CAS Chemical Abstracts Service
- DNEL: Derived No Effect Level
- IARC: INTERNATIONAL AGENCY FOR RESEARCH ON CANCER

- IMDG: International Maritime Code for Dangerous Goods
- IATA: International Air Transport Association
- IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)
- ICAO: International Civil Aviation Organization
- ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)
- GHS: Globally Harmonized System of Classification and Labelling of Chemicals
- GefStoffV: Gefahrstoffverordnung (Ordinance on Hazardous Substances, Germany)
- LOAEL: Lowest observed adverse effect level
- LOAEC: Lowest observed adverse effect concentration
- LC50: Lethal concentration, 50 percent
- LD50: Lethal dose, 50 percent
- NOAEL: No observed adverse effect level
- NOAEC: No observed adverse effect concentration
- NTP: National Toxicology Program
- N/A: not applicable
- OSHA: Occupational Safety and Health Administration
- PNEC: predicted no effect concentration
- PBT: Persistent bioaccumulative toxic
- RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
- SARA: Superfund Amendments and Reauthorization Act
- SVHC: substance of very high concern
- TRGS Technische Regeln fuerGefahrstoffe
- TSCA: Toxic Substances Control Act
- VOC: Volatile Organic Compounds

Classification for mixtures and used evaluation method according to Regulation (EC) No. 1272/2008 [CLP]

Classification	Classification procedure
Repr. 1A; H360FD	Calculation method
Lact.; H362	Calculation method
STOT RE 1; H372	Calculation method
Aquatic Acute 1; H400	Calculation method
Aquatic Chronic 1; H410	Calculation method

Relevant H and EUH statements (number and full text)

- H302 Harmful if swallowed.

Safety Data Sheet

according to Regulation (EC) No 1907/2006

OT2 SN62 T3; OT2 SN63 T3; OT2 SN62 T4

Revision date: 18.02.2021

Product code: 950707

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H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H360Df	May damage the unborn child. Suspected of damaging fertility.
H360FD	May damage fertility. May damage the unborn child.
H362	May cause harm to breast-fed children.
H372	Causes damage to organs through prolonged or repeated exposure.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
EUH208	Contains maleic acid. May produce an allergic reaction.

Further Information

Classification according EC regulation 1272/2008 (CLP): - Classification procedure:

Health hazards: Calculation method.

Environmental hazards: Calculation method.

Physical hazards: On basis of test data and / or calculated and / or estimated.

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)