

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by
Commission Regulation (EU) 2020/878



CAR BODY TIN-BASED PASTE LEAD FREE - 1000 G

Version	Revision Date:	SDS Number:	Date of last issue: 20.06.2024
11.0	17.09.2024	10688690-00014	Date of first issue: 11.06.2010

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade name : CAR BODY TIN-BASED PASTE LEAD FREE - 1000 G

Product code : 098290

Unique Formula Identifier (UFI) : NCS6-60TP-M00F-GV4A

1.2 Relevant identified uses of the substance or mixture and uses advised against

Use of the Sub-stance/Mixture : Solder
Professional use product

Recommended restrictions on use : Not applicable

1.3 Details of the supplier of the safety data sheet

Company : Adolf Wuerth GmbH & Co. KG
Reinhold-Würth-Str. 12-17
74653 Künzelsau

Telephone : +49 794015 0

Telefax : +49 794015 10 00

E-mail address of person responsible for the SDS : isi@wuerth.com

1.4 Emergency telephone number

+49 (0)6132 – 84463

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

Skin corrosion, Sub-category 1B	H314: Causes severe skin burns and eye damage.
Serious eye damage, Category 1	H318: Causes serious eye damage.
Specific target organ toxicity - single exposure, Category 3	H335: May cause respiratory irritation.
Long-term (chronic) aquatic hazard, Category 2	H411: Toxic to aquatic life with long lasting effects.

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by
Commission Regulation (EU) 2020/878



CAR BODY TIN-BASED PASTE LEAD FREE - 1000 G

Version 11.0 Revision Date: 17.09.2024 SDS Number: 10688690-00014 Date of last issue: 20.06.2024
Date of first issue: 11.06.2010

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms :



Signal word : Danger

Hazard statements : H314 Causes severe skin burns and eye damage.
H335 May cause respiratory irritation.
H411 Toxic to aquatic life with long lasting effects.

Precautionary statements : **Prevention:**
P260 Do not breathe dust or mist.
P273 Avoid release to the environment.
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

Response:

P303 + P361 + P353 + P310 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. Immediately call a POISON CENTER/ doctor.
P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/ doctor.
P391 Collect spillage.

Hazardous components which must be listed on the label:

Zinc chloride
Alkyl benzene sulfonic acid, sodium salt
Isotridecanol, ethoxylated

2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Ecological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Toxicological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

May cause thermal burns.

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by
Commission Regulation (EU) 2020/878



CAR BODY TIN-BASED PASTE LEAD FREE - 1000 G

Version 11.0 Revision Date: 17.09.2024 SDS Number: 10688690-00014 Date of last issue: 20.06.2024
Date of first issue: 11.06.2010

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Components

Chemical name	CAS-No. EC-No. Index-No. Registration number	Classification	Concentration (% w/w)
Zinc chloride	7646-85-7 231-592-0 030-003-00-2 01-2119472431-44	Acute Tox. 4; H302 Skin Corr. 1B; H314 Eye Dam. 1; H318 STOT SE 3; H335 Aquatic Acute 1; H400 Aquatic Chronic 1; H410 M-Factor (Acute aquatic toxicity): 1 M-Factor (Chronic aquatic toxicity): 1 specific concentration limit STOT SE 3; H335 >= 5 % Acute toxicity esti- mate Acute oral toxicity: 1.100 mg/kg	>= 5 - < 10
Alkyl benzene sulfonic acid, sodi- um salt	68411-30-3 270-115-0 01-2119489428-22	Acute Tox. 4; H302 Skin Irrit. 2; H315 Eye Dam. 1; H318 Aquatic Chronic 3; H412 Acute toxicity esti- mate Acute oral toxicity: 1.080 mg/kg	>= 3 - < 10
Isotridecanol, ethoxylated	69011-36-5	Acute Tox. 4; H302 Eye Dam. 1; H318 Acute toxicity esti- mate	>= 3 - < 10

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by
Commission Regulation (EU) 2020/878



CAR BODY TIN-BASED PASTE LEAD FREE - 1000 G

Version 11.0 Revision Date: 17.09.2024 SDS Number: 10688690-00014 Date of last issue: 20.06.2024
Date of first issue: 11.06.2010

		Acute oral toxicity: 500 mg/kg	
Ammonium chloride	12125-02-9 235-186-4 017-014-00-8	Acute Tox. 4; H302 Eye Irrit. 2; H319 <hr/> Acute toxicity estimate Acute oral toxicity: 1.410 mg/kg	>= 1 - < 10
Substances with a workplace exposure limit :			
Tin	7440-31-5 231-141-8 01-2119486474-28		>= 50 - < 70

For explanation of abbreviations see section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

- General advice : In the case of accident or if you feel unwell, seek medical advice immediately.
When symptoms persist or in all cases of doubt seek medical advice.
- Protection of first-aiders : First Aid responders should pay attention to self-protection, and use the recommended personal protective equipment when the potential for exposure exists (see section 8).
- If inhaled : If inhaled, remove to fresh air.
If not breathing, give artificial respiration.
If breathing is difficult, give oxygen.
Get medical attention immediately.
- In case of skin contact : Cool melted product on skin with plenty of water. Do not remove solidified product.
Get medical attention immediately.
Wash clothing before reuse.
Thoroughly clean shoes before reuse.
- In case of eye contact : In case of contact, immediately flush eyes with plenty of water for at least 15 minutes.
If easy to do, remove contact lens, if worn.
Get medical attention immediately.
- If swallowed : If swallowed, DO NOT induce vomiting.
If vomiting occurs have person lean forward.
Call a physician or poison control centre immediately.
Rinse mouth thoroughly with water.
Never give anything by mouth to an unconscious person.

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by
Commission Regulation (EU) 2020/878



CAR BODY TIN-BASED PASTE LEAD FREE - 1000 G

Version	Revision Date:	SDS Number:	Date of last issue: 20.06.2024
11.0	17.09.2024	10688690-00014	Date of first issue: 11.06.2010

4.2 Most important symptoms and effects, both acute and delayed

Risks : Causes serious eye damage.
May cause respiratory irritation.
Causes severe burns.

Causes digestive tract burns.
Contact with hot product will cause thermal burns.

4.3 Indication of any immediate medical attention and special treatment needed

Treatment : Treat symptomatically and supportively.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media : Not applicable
Will not burn

Unsuitable extinguishing media : Not applicable
Will not burn

5.2 Special hazards arising from the substance or mixture

Specific hazards during fire-fighting : Exposure to combustion products may be a hazard to health.

Hazardous combustion products : Metal oxides
Chlorine compounds
Nitrogen oxides (NOx)
Carbon oxides
Sulphur oxides

5.3 Advice for firefighters

Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.
Use personal protective equipment.

Specific extinguishing methods : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Use water spray to cool unopened containers.
Remove undamaged containers from fire area if it is safe to do so.
Evacuate area.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Use personal protective equipment.

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by
Commission Regulation (EU) 2020/878



CAR BODY TIN-BASED PASTE LEAD FREE - 1000 G

Version	Revision Date:	SDS Number:	Date of last issue: 20.06.2024
11.0	17.09.2024	10688690-00014	Date of first issue: 11.06.2010

Follow safe handling advice (see section 7) and personal protective equipment recommendations (see section 8).

6.2 Environmental precautions

Environmental precautions : Avoid release to the environment.
Prevent further leakage or spillage if safe to do so.
Retain and dispose of contaminated wash water.
Local authorities should be advised if significant spillages cannot be contained.

6.3 Methods and material for containment and cleaning up

Methods for cleaning up : Allow to solidify, use mechanical handling equipment.
Soak up with inert absorbent material.
For large spills, provide dyking or other appropriate containment to keep material from spreading. If dyked material can be pumped, store recovered material in appropriate container.
Clean up remaining materials from spill with suitable absorbent.
Local or national regulations may apply to releases and disposal of this material, as well as those materials and items employed in the cleanup of releases. You will need to determine which regulations are applicable.
Sections 13 and 15 of this SDS provide information regarding certain local or national requirements.

6.4 Reference to other sections

See sections: 7, 8, 11, 12 and 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Technical measures : See Engineering measures under EXPOSURE CONTROLS/PERSONAL PROTECTION section.

Local/Total ventilation : If sufficient ventilation is unavailable, use with local exhaust ventilation.

Advice on safe handling : Do not get on skin or clothing.
Avoid breathing dust, fume, gas, mist, vapours or spray.
Do not breathe dust or mist.
Do not swallow.
Do not get in eyes.
Wash skin thoroughly after handling.
Handle in accordance with good industrial hygiene and safety practice, based on the results of the workplace exposure assessment
Keep container tightly closed.
Already sensitised individuals, and those susceptible to asthma, allergies, chronic or recurrent respiratory disease, should consult their physician regarding working with respiratory irritants or sensitisers.

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by
Commission Regulation (EU) 2020/878



CAR BODY TIN-BASED PASTE LEAD FREE - 1000 G

Version 11.0 Revision Date: 17.09.2024 SDS Number: 10688690-00014 Date of last issue: 20.06.2024
Date of first issue: 11.06.2010

Hygiene measures : Take care to prevent spills, waste and minimize release to the environment.
: If exposure to chemical is likely during typical use, provide eye flushing systems and safety showers close to the working place. When using do not eat, drink or smoke. Wash contaminated clothing before re-use.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : Keep in properly labelled containers. Store locked up. Keep tightly closed. Keep in a cool, well-ventilated place. Store in accordance with the particular national regulations.

Advice on common storage : Do not store with the following product types:
Strong oxidizing agents
Self-reactive substances and mixtures
Organic peroxides
Explosives

Storage class (TRGS 510) : 8B

Storage period : 24 Months

7.3 Specific end use(s)

Specific use(s) : No data available

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational Exposure Limits

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis
Tin	7440-31-5	TWA	2 mg/m ³ (Tin)	91/322/EEC
Further information: Indicative				
Zinc chloride	7646-85-7	MAK (measured as the alveolate fraction)	0,1 mg/m ³	DE DFG MAK
Peak-limit: excursion factor (category): 4; I				
Further information: Zinc chloride: peak limit I(1), Damage to the embryo or foetus is unlikely when the MAK value or the BAT value is observed				
		MAK (inhalable fraction)	2 mg/m ³	DE DFG MAK
Peak-limit: excursion factor (category): 4; I				
Further information: Zinc chloride: peak limit I(1), Damage to the embryo or foetus is unlikely when the MAK value or the BAT value is observed				
Copper	7440-50-8	MAK (measured as the alveolate fraction)	0,01 mg/m ³	DE DFG MAK

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by
Commission Regulation (EU) 2020/878



CAR BODY TIN-BASED PASTE LEAD FREE - 1000 G

Version 11.0 Revision Date: 17.09.2024 SDS Number: 10688690-00014 Date of last issue: 20.06.2024
Date of first issue: 11.06.2010

	Peak-limit: excursion factor (category): 2; II
	Further information: Damage to the embryo or foetus is unlikely when the MAK value or the BAT value is observed

Derived No Effect Level (DNEL) according to Regulation (EC) No. 1907/2006

Substance name	End Use	Exposure routes	Potential health effects	Value	
Copper	Consumers	Inhalation	Acute systemic effects	20 mg/m ³	
	Consumers	Skin contact	Acute systemic effects	273 mg/kg bw/day	
	Workers	Skin contact	Long-term systemic effects	137 mg/kg bw/day	
	Workers	Inhalation	Acute systemic effects	20 mg/m ³	
	Workers	Skin contact	Acute systemic effects	273 mg/kg bw/day	
	Consumers	Skin contact	Long-term systemic effects	137 mg/kg bw/day	
Tin	Workers	Inhalation	Long-term systemic effects	11,75 mg/m ³	
	Workers	Inhalation	Acute systemic effects	11,75 mg/m ³	
	Workers	Skin contact	Long-term systemic effects	133,3 mg/kg bw/day	
	Workers	Skin contact	Acute systemic effects	133,3 mg/kg bw/day	
	Consumers	Inhalation	Long-term systemic effects	3,476 mg/m ³	
	Consumers	Inhalation	Acute systemic effects	3,476 mg/m ³	
	Consumers	Skin contact	Long-term systemic effects	80 mg/kg bw/day	
	Consumers	Skin contact	Acute systemic effects	80 mg/kg bw/day	
	Consumers	Ingestion	Long-term systemic effects	80 mg/kg bw/day	
	Consumers	Ingestion	Acute systemic effects	80 mg/kg bw/day	
	Zinc chloride	Workers	Inhalation	Long-term systemic effects	1 mg/m ³
		Workers	Skin contact	Long-term systemic effects	8,3 mg/kg bw/day
Consumers		Inhalation	Long-term systemic effects	1,25 mg/m ³	
Consumers		Skin contact	Long-term systemic effects	8,3 mg/kg bw/day	
Consumers		Ingestion	Long-term local effects	0,83 mg/kg bw/day	
Ammonium chloride	Workers	Inhalation	Long-term systemic	33,5 mg/m ³	

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by
Commission Regulation (EU) 2020/878



CAR BODY TIN-BASED PASTE LEAD FREE - 1000 G

Version
11.0

Revision Date:
17.09.2024

SDS Number:
10688690-00014

Date of last issue: 20.06.2024
Date of first issue: 11.06.2010

			effects	
	Workers	Skin contact	Long-term systemic effects	190 mg/kg bw/day
	Consumers	Inhalation	Long-term systemic effects	9,9 mg/m ³
	Consumers	Skin contact	Long-term systemic effects	114 mg/kg bw/day
	Consumers	Ingestion	Long-term systemic effects	11,4 mg/kg bw/day
Alkyl benzene sulfonic acid, sodium salt	Workers	Inhalation	Long-term systemic effects	12 mg/m ³
	Workers	Inhalation	Long-term local effects	12 mg/m ³
	Workers	Skin contact	Long-term systemic effects	170 mg/kg bw/day
	Consumers	Inhalation	Long-term systemic effects	3 mg/m ³
	Consumers	Inhalation	Long-term local effects	3 mg/m ³
	Consumers	Skin contact	Long-term systemic effects	85 mg/kg bw/day
	Consumers	Ingestion	Long-term systemic effects	0,85 mg/kg bw/day

Predicted No Effect Concentration (PNEC) according to Regulation (EC) No. 1907/2006

Substance name	Environmental Compartment	Value
Copper	Fresh water	7,8 µg/l
	Marine water	5,2 µg/l
	Sewage treatment plant	230 µg/l
	Fresh water sediment	87 mg/kg
	Marine sediment	676 mg/kg
Zinc chloride	Soil	65 mg/kg
	Fresh water	0,0206 mg/l
	Marine water	0,0061 mg/l
	Sewage treatment plant	0,1 mg/l
	Fresh water sediment	117,8 mg/kg dry weight (d.w.)
	Marine sediment	56,5 mg/kg dry weight (d.w.)
	Soil	35,6 mg/kg dry weight (d.w.)
Ammonium chloride	Fresh water	1,2 mg/l
	Marine water	11,2 mg/l
	Intermittent use/release	1,2 mg/l
	Sewage treatment plant	16,2 mg/l
Alkyl benzene sulfonic acid, sodium salt	Soil	0,163 mg/kg
	Fresh water	0,268 mg/l
	Marine water	0,0268 mg/l
	Intermittent use/release	0,167 mg/l

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by
Commission Regulation (EU) 2020/878



CAR BODY TIN-BASED PASTE LEAD FREE - 1000 G

Version 11.0 Revision Date: 17.09.2024 SDS Number: 10688690-00014 Date of last issue: 20.06.2024
Date of first issue: 11.06.2010

	Sewage treatment plant	3,43 mg/l
	Fresh water sediment	8,1 mg/kg
	Marine sediment	8,1 mg/kg
	Soil	35 mg/kg

8.2 Exposure controls

Engineering measures

Minimize workplace exposure concentrations.
If sufficient ventilation is unavailable, use with local exhaust ventilation.

Personal protective equipment

Eye/face protection : Wear the following personal protective equipment:
Chemical resistant goggles must be worn.
If splashes are likely to occur, wear:
Face-shield
Equipment should conform to DIN EN 166

Hand protection

Material : butyl-rubber
Break through time : 480 min
Glove thickness : $\geq 0,7$ mm
Protective index : Class 6

Remarks : Choose gloves to protect hands against chemicals depending on the concentration and quantity of the hazardous substance and specific to place of work. For special applications, we recommend clarifying the resistance to chemicals of the aforementioned protective gloves with the glove manufacturer. Wash hands before breaks and at the end of workday.

Skin and body protection : Select appropriate protective clothing based on chemical resistance data and an assessment of the local exposure potential.
Skin contact must be avoided by using impervious protective clothing (gloves, aprons, boots, etc).

Respiratory protection : If adequate local exhaust ventilation is not available or exposure assessment demonstrates exposures outside the recommended guidelines, use respiratory protection.
Equipment should conform to DIN EN 143

Filter type : Particulates type (P)

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state : paste
Colour : light grey
Odour : characteristic
Odour Threshold : No data available

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by
Commission Regulation (EU) 2020/878



CAR BODY TIN-BASED PASTE LEAD FREE - 1000 G

Version 11.0	Revision Date: 17.09.2024	SDS Number: 10688690-00014	Date of last issue: 20.06.2024 Date of first issue: 11.06.2010
-----------------	------------------------------	-------------------------------	---

Melting point/freezing point : 221 - 240 °C

Initial boiling point and boiling range : 100 °C

Flammability (solid, gas) : Not classified as a flammability hazard, Will not burn

Upper explosion limit / Upper flammability limit : Not applicable

Lower explosion limit / Lower flammability limit : Not applicable

Flash point : Not applicable

Auto-ignition temperature : Not applicable

Decomposition temperature : No data available

pH : 5,5
Concentration: 10 %
No data available

Viscosity
Viscosity, kinematic : Not applicable

Solubility(ies)
Water solubility : insoluble

Partition coefficient: n-octanol/water : Not applicable

Vapour pressure : 23 hPa (20 °C)

Relative density : No data available

Relative vapour density : Not applicable

Particle characteristics
Particle size : No data available

9.2 Other information

Explosives : Not explosive

Oxidizing properties : The substance or mixture is not classified as oxidizing.

Evaporation rate : Not applicable

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by
Commission Regulation (EU) 2020/878



CAR BODY TIN-BASED PASTE LEAD FREE - 1000 G

Version	Revision Date:	SDS Number:	Date of last issue: 20.06.2024
11.0	17.09.2024	10688690-00014	Date of first issue: 11.06.2010

SECTION 10: Stability and reactivity

10.1 Reactivity

Not classified as a reactivity hazard.

10.2 Chemical stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

Hazardous reactions : Can react with strong oxidizing agents.

10.4 Conditions to avoid

Conditions to avoid : None known.

10.5 Incompatible materials

Materials to avoid : Oxidizing agents

10.6 Hazardous decomposition products

No hazardous decomposition products are known.

SECTION 11: Toxicological information

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

Information on likely routes of exposure : Skin contact
Ingestion
Eye contact

Acute toxicity

Not classified based on available information.

Product:

Acute oral toxicity : Acute toxicity estimate: > 2.000 mg/kg
Method: Calculation method

Acute inhalation toxicity : Assessment: Not corrosive to the respiratory tract

Components:

Zinc chloride:

Acute oral toxicity : LD50 (Rat, male): 1.100 mg/kg
Method: OECD Test Guideline 401

Acute dermal toxicity : LD50 (Rat): > 2.000 mg/kg
Method: OECD Test Guideline 402
Remarks: Based on data from similar materials

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by
Commission Regulation (EU) 2020/878



CAR BODY TIN-BASED PASTE LEAD FREE - 1000 G

Version 11.0 Revision Date: 17.09.2024 SDS Number: 10688690-00014 Date of last issue: 20.06.2024
Date of first issue: 11.06.2010

Alkyl benzene sulfonic acid, sodium salt:

Acute oral toxicity : LD50 (Rat): 1.080 mg/kg
Method: OECD Test Guideline 401

Acute dermal toxicity : LD50 (Rat): > 2.000 mg/kg
Method: OECD Test Guideline 402
Assessment: The substance or mixture has no acute dermal toxicity

Isotridecanol, ethoxylated:

Acute oral toxicity : LD50 (Rat): > 300 - 2.000 mg/kg
Method: OECD Test Guideline 423

Acute dermal toxicity : LD50 (Rabbit): > 2.000 mg/kg
Method: OECD Test Guideline 402

Ammonium chloride:

Acute oral toxicity : LD50 (Rat): 1.410 mg/kg

Acute dermal toxicity : LD50 (Rat): > 2.000 mg/kg
Method: Directive 67/548/EEC, Annex V, B.3.
Assessment: The substance or mixture has no acute dermal toxicity

Tin:

Acute oral toxicity : LD50 (Rat): > 2.000 mg/kg

Acute inhalation toxicity : LC50 (Rat): > 4,75 mg/l
Exposure time: 4 h
Test atmosphere: dust/mist
Method: OECD Test Guideline 403

Acute dermal toxicity : LD50 (Rat): > 2.000 mg/kg
Method: OECD Test Guideline 402
Assessment: The substance or mixture has no acute dermal toxicity

Skin corrosion/irritation

Causes severe burns.

Components:

Zinc chloride:

Result : Corrosive after 3 minutes to 1 hour of exposure
Remarks : Based on national or regional regulation.

Alkyl benzene sulfonic acid, sodium salt:

Species : Rabbit

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by
Commission Regulation (EU) 2020/878



CAR BODY TIN-BASED PASTE LEAD FREE - 1000 G

Version 11.0 Revision Date: 17.09.2024 SDS Number: 10688690-00014 Date of last issue: 20.06.2024
Date of first issue: 11.06.2010

Method : OECD Test Guideline 404
Result : Skin irritation

Isotridecanol, ethoxylated:

Species : Rabbit
Method : OECD Test Guideline 404
Result : No skin irritation

Ammonium chloride:

Species : Rabbit
Result : No skin irritation

Tin:

Species : Rabbit
Method : OECD Test Guideline 404
Result : No skin irritation

Serious eye damage/eye irritation

Causes serious eye damage.

Components:

Zinc chloride:

Result : Irreversible effects on the eye
Remarks : Based on skin corrosivity.

Alkyl benzene sulfonic acid, sodium salt:

Species : Rabbit
Method : OECD Test Guideline 405
Result : Irreversible effects on the eye

Isotridecanol, ethoxylated:

Species : Rabbit
Method : Draize Test
Result : Irreversible effects on the eye

Ammonium chloride:

Result : Irritation to eyes, reversing within 21 days
Remarks : Based on national or regional regulation.

Tin:

Species : Rabbit
Method : OECD Test Guideline 405
Result : No eye irritation

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by
Commission Regulation (EU) 2020/878



CAR BODY TIN-BASED PASTE LEAD FREE - 1000 G

Version 11.0 Revision Date: 17.09.2024 SDS Number: 10688690-00014 Date of last issue: 20.06.2024
Date of first issue: 11.06.2010

Respiratory or skin sensitisation

Skin sensitisation

Not classified based on available information.

Respiratory sensitisation

Not classified based on available information.

Components:

Zinc chloride:

Test Type : Maximisation Test
Exposure routes : Skin contact
Species : Guinea pig
Method : OECD Test Guideline 406
Result : negative
Remarks : Based on data from similar materials

Alkyl benzene sulfonic acid, sodium salt:

Test Type : Maximisation Test
Exposure routes : Skin contact
Species : Guinea pig
Method : OECD Test Guideline 406
Result : negative

Ammonium chloride:

Test Type : Maximisation Test
Exposure routes : Skin contact
Species : Guinea pig
Result : negative

Germ cell mutagenicity

Not classified based on available information.

Components:

Zinc chloride:

Genotoxicity in vitro : Test Type: Bacterial reverse mutation assay (AMES)
Method: OECD Test Guideline 471
Result: negative
Remarks: Based on data from similar materials

Alkyl benzene sulfonic acid, sodium salt:

Genotoxicity in vitro : Test Type: In vitro mammalian cell gene mutation test
Result: negative

Test Type: Bacterial reverse mutation assay (AMES)
Method: Directive 67/548/EEC, Annex, B.13/14
Result: negative

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by
Commission Regulation (EU) 2020/878



CAR BODY TIN-BASED PASTE LEAD FREE - 1000 G

Version 11.0 Revision Date: 17.09.2024 SDS Number: 10688690-00014 Date of last issue: 20.06.2024
Date of first issue: 11.06.2010

Test Type: Chromosome aberration test in vitro
Method: OECD Test Guideline 473
Result: negative

Genotoxicity in vivo : Test Type: Rodent dominant lethal test (germ cell) (in vivo)
Species: Mouse
Application Route: Ingestion
Result: negative

Ammonium chloride:

Genotoxicity in vitro : Test Type: Bacterial reverse mutation assay (AMES)
Method: OECD Test Guideline 471
Result: negative

Genotoxicity in vivo : Test Type: In vivo micronucleus test
Species: Mouse
Application Route: Intraperitoneal injection
Result: negative

Tin:

Genotoxicity in vitro : Test Type: Bacterial reverse mutation assay (AMES)
Method: OECD Test Guideline 471
Result: negative

Carcinogenicity

Not classified based on available information.

Components:

Tin:

Species : Rat
Application Route : Ingestion
Exposure time : 115 weeks
Result : negative
Remarks : Based on data from similar materials

Reproductive toxicity

Not classified based on available information.

Components:

Zinc chloride:

Effects on fertility : Test Type: Two-generation reproduction toxicity study
Species: Rat
Application Route: Ingestion
Result: negative

Effects on foetal development : Test Type: Embryo-foetal development
Species: Rat

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by
Commission Regulation (EU) 2020/878



CAR BODY TIN-BASED PASTE LEAD FREE - 1000 G

Version 11.0	Revision Date: 17.09.2024	SDS Number: 10688690-00014	Date of last issue: 20.06.2024 Date of first issue: 11.06.2010
-----------------	------------------------------	-------------------------------	---

Application Route: Ingestion
Result: negative
Remarks: Based on data from similar materials

Alkyl benzene sulfonic acid, sodium salt:

Effects on fertility : Test Type: Three-generation reproduction toxicity study
Species: Rat
Application Route: Ingestion
Result: negative
Remarks: Based on data from similar materials

Effects on foetal develop-
ment : Test Type: Embryo-foetal development
Species: Mouse
Application Route: Ingestion
Result: negative

Ammonium chloride:

Effects on fertility : Test Type: Combined repeated dose toxicity study with the
reproduction/developmental toxicity screening test
Species: Rat
Application Route: Ingestion
Method: OECD Test Guideline 422
Result: negative
Remarks: Based on data from similar materials

Effects on foetal develop-
ment : Test Type: Combined repeated dose toxicity study with the
reproduction/developmental toxicity screening test
Species: Rat
Application Route: Ingestion
Method: OECD Test Guideline 422
Result: negative
Remarks: Based on data from similar materials

STOT - single exposure

May cause respiratory irritation.

Components:

Zinc chloride:

Assessment : May cause respiratory irritation.

STOT - repeated exposure

Not classified based on available information.

Repeated dose toxicity

Components:

Zinc chloride:

Species : Rat

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by
Commission Regulation (EU) 2020/878



CAR BODY TIN-BASED PASTE LEAD FREE - 1000 G

Version	Revision Date:	SDS Number:	Date of last issue: 20.06.2024
11.0	17.09.2024	10688690-00014	Date of first issue: 11.06.2010

NOAEL : > 100 mg/kg
Application Route : Ingestion
Exposure time : 13 Weeks
Method : OECD Test Guideline 408
Remarks : Based on data from similar materials

Alkyl benzene sulfonic acid, sodium salt:

Species : Rat
NOAEL : 125 mg/kg
LOAEL : 250 mg/kg
Application Route : Ingestion
Exposure time : 1 Months

Ammonium chloride:

Species : Rat
NOAEL : 684 mg/kg
Application Route : Ingestion
Exposure time : 10 Weeks

Tin:

Species : Rat
NOAEL : > 1.000 mg/kg
Application Route : Ingestion
Exposure time : 28 Days
Method : OECD Test Guideline 407

Aspiration toxicity

Not classified based on available information.

11.2 Information on other hazards

Endocrine disrupting properties

Product:

Assessment : The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

SECTION 12: Ecological information

12.1 Toxicity

Components:

Zinc chloride:

Toxicity to fish : LC50 : > 0,1 - 1 mg/l

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by
Commission Regulation (EU) 2020/878



CAR BODY TIN-BASED PASTE LEAD FREE - 1000 G

Version 11.0 Revision Date: 17.09.2024 SDS Number: 10688690-00014 Date of last issue: 20.06.2024
Date of first issue: 11.06.2010

Exposure time: 96 h
Remarks: Based on data from similar materials

Toxicity to algae/aquatic plants : ErC50 (Pseudokirchneriella subcapitata (green algae)): > 0,1 - 1 mg/l
Exposure time: 72 h
Remarks: Based on data from similar materials

NOEC (Pseudokirchneriella subcapitata (green algae)): > 0,01 - 0,1 mg/l
Exposure time: 72 h
Remarks: Based on data from similar materials

M-Factor (Acute aquatic toxicity) : 1

Toxicity to fish (Chronic toxicity) : NOEC: > 0,01 - 0,1 mg/l
Exposure time: 14 Weeks
Species: Jordanella floridae (flagfish)
Remarks: Based on data from similar materials

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC: > 0,01 - 0,1 mg/l
Exposure time: 7 d
Species: Ceriodaphnia dubia (water flea)
Remarks: Based on data from similar materials

M-Factor (Chronic aquatic toxicity) : 1

Alkyl benzene sulfonic acid, sodium salt:

Toxicity to fish : LC50 (Lepomis macrochirus (Bluegill sunfish)): 1,67 mg/l
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 2,9 mg/l
Exposure time: 48 h
Method: OECD Test Guideline 202

Toxicity to algae/aquatic plants : EC50 (Desmodesmus subspicatus (green algae)): 127,9 mg/l
Exposure time: 72 h

NOEC (Desmodesmus subspicatus (green algae)): 2,4 mg/l
Exposure time: 72 h

Toxicity to fish (Chronic toxicity) : NOEC: 0,63 mg/l
Exposure time: 196 d
Species: Pimephales promelas (fathead minnow)

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC: 1,18 mg/l
Exposure time: 21 d
Species: Daphnia magna (Water flea)

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by
Commission Regulation (EU) 2020/878



CAR BODY TIN-BASED PASTE LEAD FREE - 1000 G

Version 11.0 Revision Date: 17.09.2024 SDS Number: 10688690-00014 Date of last issue: 20.06.2024
Date of first issue: 11.06.2010

Isotridecanol, ethoxylated:

- Toxicity to fish : LC50 (Leuciscus idus (Golden orfe)): > 1 - 10 mg/l
Exposure time: 96 h
- Toxicity to daphnia and other aquatic invertebrates : EC50 : > 1 - 10 mg/l
Exposure time: 48 h
Remarks: Based on data from similar materials
- Toxicity to algae/aquatic plants : EC50 : > 1 - 10 mg/l
Exposure time: 72 h
Remarks: Based on data from similar materials
- Toxicity to microorganisms : EC50 : > 10.000 mg/l
Exposure time: 17 h
Method: DIN 38 412 Part 8
- Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC: > 1 mg/l
Exposure time: 21 d
Species: Daphnia magna (Water flea)

Ammonium chloride:

- Toxicity to fish : LC50 (Cyprinus carpio (Carp)): 209 mg/l
Exposure time: 96 h
- Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 101 mg/l
Exposure time: 48 h
- Toxicity to algae/aquatic plants : EC50 (Navicula pelliculosa (Freshwater diatom)): 90,4 mg/l
Exposure time: 10 d

NOEC (Navicula pelliculosa (Freshwater diatom)): 26,8 mg/l
Exposure time: 10 d
- Toxicity to microorganisms : EC50 : 1.618 mg/l
Exposure time: 0,5 h
- Toxicity to fish (Chronic toxicity) : NOEC: 11,8 mg/l
Exposure time: 28 d
Species: Pimephales promelas (fathead minnow)
- Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC: 14,6 mg/l
Exposure time: 21 d
Species: Daphnia magna (Water flea)

Tin:

- Toxicity to fish : LC50 (Pimephales promelas (fathead minnow)): > 12,4 µg/l
Exposure time: 96 h
Remarks: No toxicity at the limit of solubility
Based on data from similar materials

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by
Commission Regulation (EU) 2020/878



CAR BODY TIN-BASED PASTE LEAD FREE - 1000 G

Version	Revision Date:	SDS Number:	Date of last issue: 20.06.2024
11.0	17.09.2024	10688690-00014	Date of first issue: 11.06.2010

- Toxicity to algae/aquatic plants : EC50 (Pseudokirchneriella subcapitata (green algae)): > 19,2 µg/l
Exposure time: 72 h
Method: OECD Test Guideline 201
Remarks: No toxicity at the limit of solubility
Based on data from similar materials
- Toxicity to microorganisms : EC50 : > 511 mg/l
Exposure time: 3 h
Method: OECD Test Guideline 209
Remarks: Based on data from similar materials
- Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC: 100 µg/l
Exposure time: 7 d
Species: Ceriodaphnia dubia (water flea)
Remarks: No toxicity at the limit of solubility
Based on data from similar materials

12.2 Persistence and degradability

Components:

Alkyl benzene sulfonic acid, sodium salt:

Biodegradability : Result: Readily biodegradable.
Biodegradation: 85 %
Exposure time: 29 d
Method: OECD Test Guideline 301B

Isotridecanol, ethoxylated:

Biodegradability : Result: Readily biodegradable.
Method: OECD Test Guideline 301B
Remarks: Based on data from similar materials

12.3 Bioaccumulative potential

Components:

Zinc chloride:

Bioaccumulation : Species: Cyprinus carpio (Carp)
Bioconcentration factor (BCF): < 500

Alkyl benzene sulfonic acid, sodium salt:

Bioaccumulation : Species: Pimephales promelas (fathead minnow)
Bioconcentration factor (BCF): 1,7 - 987,2
Method: OECD Test Guideline 305

Partition coefficient: n-octanol/water : log Pow: 1,4

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by
Commission Regulation (EU) 2020/878



CAR BODY TIN-BASED PASTE LEAD FREE - 1000 G

Version	Revision Date:	SDS Number:	Date of last issue: 20.06.2024
11.0	17.09.2024	10688690-00014	Date of first issue: 11.06.2010

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

Product:

Assessment : This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

12.6 Endocrine disrupting properties

Product:

Assessment : The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

12.7 Other adverse effects

No data available

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product	: Dispose of in accordance with local regulations. According to the European Waste Catalogue, Waste Codes are not product specific, but application specific. Waste codes should be assigned by the user, preferably in discussion with the waste disposal authorities. Do not dispose of waste into sewer.
Contaminated packaging	: Empty containers should be taken to an approved waste handling site for recycling or disposal. If not otherwise specified: Dispose of as unused product.
Waste Code	: The following Waste Codes are only suggestions:
	used product 12 01 14*, machining sludges containing hazardous substances
	unused product 12 01 14*, machining sludges containing hazardous substances
	uncleaned packagings 15 01 10*, packaging containing residues of or contaminated by hazardous substances
	Acc. Packaging Act properly emptied packaging:

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by
Commission Regulation (EU) 2020/878



CAR BODY TIN-BASED PASTE LEAD FREE - 1000 G

Version 11.0 Revision Date: 17.09.2024 SDS Number: 10688690-00014 Date of last issue: 20.06.2024
Date of first issue: 11.06.2010

Properly emptied, non-contaminated packaging of non-hazardous products can be supplied to a system for the collection of sales packaging.

SECTION 14: Transport information

14.1 UN number or ID number

ADN : UN 3260
ADR : UN 3260
RID : UN 3260
IMDG : UN 3260
IATA : UN 3260

14.2 UN proper shipping name

ADN : CORROSIVE SOLID, ACIDIC, INORGANIC, N.O.S.
(Zinc chloride)
ADR : CORROSIVE SOLID, ACIDIC, INORGANIC, N.O.S.
(Zinc chloride)
RID : CORROSIVE SOLID, ACIDIC, INORGANIC, N.O.S.
(Zinc chloride)
IMDG : CORROSIVE SOLID, ACIDIC, INORGANIC, N.O.S.
(Zinc chloride)
IATA : Corrosive solid, acidic, inorganic, n.o.s.
(Zinc chloride)

14.3 Transport hazard class(es)

	Class	Subsidiary risks
ADN	: 8	
ADR	: 8	
RID	: 8	
IMDG	: 8	
IATA	: 8	

14.4 Packing group

ADN
Packing group : III
Classification Code : C2
Hazard Identification Number : 80
Labels : 8
ADR
Packing group : III

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by
Commission Regulation (EU) 2020/878



CAR BODY TIN-BASED PASTE LEAD FREE - 1000 G

Version	Revision Date:	SDS Number:	Date of last issue: 20.06.2024
11.0	17.09.2024	10688690-00014	Date of first issue: 11.06.2010

Classification Code : C2
Hazard Identification Number : 80
Labels : 8
Tunnel restriction code : (E)

RID

Packing group : III
Classification Code : C2
Hazard Identification Number : 80
Labels : 8

IMDG

Packing group : III
Labels : 8
EmS Code : F-A, S-B

IATA (Cargo)

Packing instruction (cargo aircraft) : 864
Packing instruction (LQ) : Y845
Packing group : III
Labels : Corrosive

IATA (Passenger)

Packing instruction (passenger aircraft) : 860
Packing instruction (LQ) : Y845
Packing group : III
Labels : Corrosive

14.5 Environmental hazards

ADN

Environmentally hazardous : yes

ADR

Environmentally hazardous : yes

RID

Environmentally hazardous : yes

IMDG

Marine pollutant : yes

14.6 Special precautions for user

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

14.7 Maritime transport in bulk according to IMO instruments

Remarks : Not applicable for product as supplied.

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by
Commission Regulation (EU) 2020/878



CAR BODY TIN-BASED PASTE LEAD FREE - 1000 G

Version 11.0 Revision Date: 17.09.2024 SDS Number: 10688690-00014 Date of last issue: 20.06.2024
Date of first issue: 11.06.2010

SECTION 15: Regulatory information

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

REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII) : Conditions of restriction for the following entries should be considered:
Number on list 65: Ammonium chloride

REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII) : Substance(s) or mixture(s) are listed here according to their appearance in the regulation, irrespective of their use/purpose or the conditions of the restriction. Please refer to the conditions in corresponding Regulation to determine whether an entry is applicable to the placing on the market or not.

Number on list 75: If you intend to use this product as tattoo ink, please contact your vendor.

REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59) : Not applicable

Regulation (EC) on substances that deplete the ozone layer : Not applicable

Regulation (EU) 2019/1021 on persistent organic pollutants (recast) : Not applicable

Regulation (EU) No 649/2012 of the European Parliament and the Council concerning the export and import of dangerous chemicals : Not applicable

REACH - List of substances subject to authorisation (Annex XIV) : Not applicable

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

E2 ENVIRONMENTAL HAZARDS : Not applicable

Quantity 1 Quantity 2
200 t 500 t

Water hazard class (Germany) : WGK 3 highly hazardous to water
Classification according to AwSV, Annex 1 (5.2)

TA Luft List (Germany) : 5.2.1: Total dust:
Not applicable
5.2.2: Inorganic substances in powdered form:
Class 3: 64 % Tin, Copper
5.2.4: Inorganic substances in gaseous form:
Not applicable
5.2.5: Organic Substances:

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by
Commission Regulation (EU) 2020/878



CAR BODY TIN-BASED PASTE LEAD FREE - 1000 G

Version	Revision Date:	SDS Number:	Date of last issue: 20.06.2024
11.0	17.09.2024	10688690-00014	Date of first issue: 11.06.2010

Not applicable
5.2.7.1.1: Carcinogenic substance:
Not applicable
5.2.7.1.1: Quartz fine dust PM4:
Not applicable
5.2.7.1.1: Formaldehyde:
Not applicable
5.2.7.1.1: fibres:
Not applicable
5.2.7.1.2: Germ cell mutagens:
Not applicable
5.2.7.1.3: Substances toxic to reproduction:
Not applicable
5.2.7.2: Poorly degradable, easily enrichable and highly toxic
organic substances:
Not applicable

Volatile organic compounds : Directive 2010/75/EU of 24 November 2010 on industrial
emissions (integrated pollution prevention and control)
Volatile organic compounds (VOC) content: 0 %

Other regulations:

Take note of Directive 94/33/EC on the protection of young people at work or stricter national
regulations, where applicable.

15.2 Chemical safety assessment

A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

Other information : Items where changes have been made to the previous version
are highlighted in the body of this document by two vertical
lines.

Full text of H-Statements

H302 : Harmful if swallowed.
H314 : Causes severe skin burns and eye damage.
H315 : Causes skin irritation.
H318 : Causes serious eye damage.
H319 : Causes serious eye irritation.
H335 : May cause respiratory irritation.
H400 : Very toxic to aquatic life.
H410 : Very toxic to aquatic life with long lasting effects.
H412 : Harmful to aquatic life with long lasting effects.

Full text of other abbreviations

Acute Tox. : Acute toxicity
Aquatic Acute : Short-term (acute) aquatic hazard
Aquatic Chronic : Long-term (chronic) aquatic hazard

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by
Commission Regulation (EU) 2020/878



CAR BODY TIN-BASED PASTE LEAD FREE - 1000 G

Version	Revision Date:	SDS Number:	Date of last issue: 20.06.2024
11.0	17.09.2024	10688690-00014	Date of first issue: 11.06.2010

Eye Dam.	:	Serious eye damage
Eye Irrit.	:	Eye irritation
Skin Corr.	:	Skin corrosion
Skin Irrit.	:	Skin irritation
STOT SE	:	Specific target organ toxicity - single exposure
91/322/EEC	:	Europe. Commission Directive 91/322/EEC on establishing indicative limit values
DE DFG MAK	:	Germany. MAK BAT Annex IIa
91/322/EEC / TWA	:	Limit Value - eight hours
DE DFG MAK / MAK	:	MAK value

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - Agreement concerning the International Carriage of Dangerous Goods by Road; AIIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - Substance of Very High Concern; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

Further information

Sources of key data used to compile the Safety Data Sheet : Internal technical data, data from raw material SDSs, OECD eChem Portal search results and European Chemicals Agency, <http://echa.europa.eu/>

Classification of the mixture:

Classification procedure:

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by
Commission Regulation (EU) 2020/878



CAR BODY TIN-BASED PASTE LEAD FREE - 1000 G

Version 11.0	Revision Date: 17.09.2024	SDS Number: 10688690-00014	Date of last issue: 20.06.2024 Date of first issue: 11.06.2010
-----------------	------------------------------	-------------------------------	---

Skin Corr. 1B	H314	Calculation method
Eye Dam. 1	H318	Calculation method
STOT SE 3	H335	Calculation method
Aquatic Chronic 2	H411	Calculation method

Items where changes have been made to the previous version are highlighted in the body of this document by two vertical lines.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and shall not be considered a warranty or quality specification of any type. The information provided relates only to the specific material identified at the top of this SDS and may not be valid when the SDS material is used in combination with any other materials or in any process, unless specified in the text. Material users should review the information and recommendations in the specific context of their intended manner of handling, use, processing and storage, including an assessment of the appropriateness of the SDS material in the user's end product, if applicable.

DE / EN