

Creation Date 16-Nov-2010

Revision Date 16-Nov-2010

Revision Number 2

1. PRODUCT AND COMPANY IDENTIFICATION

Product Identifier

Product Description:

Wood's metal

Cat No.

388550000; 388551000; 388555000

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

Recommended Use

Laboratory chemicals

Uses advised against

No Information available

Details of the supplier of the safety data sheet

Company

Acros Organics BVBA
Janssen Pharmaceuticaal 3a
2440 Geel, Belgium

E-mail address

begel.sdsdesk@thermofisher.com

Emergency Telephone Number

For information in the US, call: 001-800-ACROS-01

For information in Europe, call: +32 14 57 52 11

Emergency Number, Europe: +32 14 57 52 99

Emergency Number, US: 001-201-796-7100

CHEMTREC Phone Number, US: 001-800-424-9300

CHEMTREC Phone Number, Europe: 001-703-527-3887

2. HAZARDS IDENTIFICATION

Classification of the substance or mixture

REGULATION (EC) No 1272/2008

Acute oral toxicity	Category 4
Acute Inhalation Toxicity - Dusts and Mists	Category 2
Germ Cell Mutagenicity	Category 2
Carcinogenicity	Category 1B
Reproductive Toxicity	Category 1A
Specific target organ systemic toxicity (repeated exposure)	Category 1
Acute aquatic toxicity	Category 1
Chronic aquatic toxicity	Category 1

Classification according to EU Directives 67/548/EEC or 1999/45/EC

For the full text of the R phrases mentioned in this Section, see Section 16

Symbol(s)

T+ - Very toxic

N - Dangerous for the environment

R -phrase(s)

R45 - May cause cancer

R61 - May cause harm to the unborn child

R22 - Harmful if swallowed

R26 - Very toxic by inhalation

R33 - Danger of cumulative effects

R62 - Possible risk of impaired fertility

R68 - Possible risk of irreversible effects

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2. HAZARDS IDENTIFICATION

Risk Combination Phrases

R48/23/25 - Toxic: danger of serious damage to health by prolonged exposure through inhalation and if swallowed
R50/53 - Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

Label Elements



Signal Word

Danger

Hazard Statements

H410 - Very toxic to aquatic life with long lasting effects
H302 - Harmful if swallowed
H360Df - May damage the unborn child. Suspected of damaging fertility
H350 - May cause cancer
H330 - Fatal if inhaled
H372 - Causes damage to organs through prolonged or repeated exposure
H341 - Suspected of causing genetic defects

Precautionary Statements - EU (§28, 1272/2008)

P280 - Wear protective gloves/ protective clothing/ eye protection/ face protection
P260 - Do not breathe dust/fume/gas/mist/vapors/spray
P273 - Avoid release to the environment
P301 + P312 - IF SWALLOWED: Call a POISON CENTER or doctor/ physician if you feel unwell
P304 + P340 - IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing
P201 - Obtain special instructions before use
P307 + P311 - IF exposed: Call a POISON CENTER or doctor/ physician

Other Hazards

No information available.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Component	EC No.	Weight %	CAS-No	Classification	GHSCLAS	REACH Reg. No.
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3. COMPOSITION/INFORMATION ON INGREDIENTS

Bismuth alloy, base, Bi 50, Pb 25, Cd 12, Sn 12 (L-PbBi50Sn12.5Cd12.5) 76093-98-6		100	76093-98-6	Carc.Cat.2;R45 Repr.Cat.2;R61 Repr.Cat.3;R62 Muta.Cat.3;R68 R33 N;R50/53 T;R48/23/25 T+;R26 Xn;R22	Acute Tox. 2 (H330) Acute Tox. 4 (H302) Carc. 1B (H350) Muta. 2 (H341) Repr. 1A (H360Df) STOT RE 1 (H372) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)	-
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For the full text of the R phrases mentioned in this Section, see Section 16

4. FIRST AID MEASURES

Description of first aid measures

Eye Contact

Immediate medical attention is required Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes

Skin Contact

Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes Immediate medical attention is required

Ingestion

Call a physician immediately Clean mouth with water

Inhalation

Remove from exposure, lie down Move to fresh air If breathing is difficult, give oxygen If not breathing, give artificial respiration Immediate medical attention is required

Notes to Physician

Treat symptomatically

5. FIRE-FIGHTING MEASURES

Extinguishing media

Suitable Extinguishing Media

Water spray Carbon dioxide (CO₂) Dry chemical chemical foam

Extinguishing media which must not be used for safety reasons

No information available.

Special hazards arising from the substance or mixture

Non-combustible

Advice for fire-fighters

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As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation

Environmental precautions

Prevent further leakage or spillage if safe to do so

Methods and material for containment and cleaning up

Wear self-contained breathing apparatus and protective suit. Sweep up or vacuum up spillage and collect in suitable container for disposal. Do not let this chemical enter the environment.

7. HANDLING AND STORAGE

Precautions for Safe Handling

Do not breathe dust Do not breathe vapors or spray mist Do not get in eyes, on skin, or on clothing Do not ingest Use only in area provided with appropriate exhaust ventilation

Conditions for safe storage, including any incompatibilities

Keep in a dry, cool and well-ventilated place Keep container tightly closed

Specific End Uses

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters

Exposure limits

Component

Bismuth alloy, base, Bi 50, Pb 25, Cd 12, Sn 12 (L-PbBi50Sn12.5Cd12.5)

European Union	The United Kingdom	France	Belgium	Spain
	STEL: 0.075 mg/m ³ STEL: 0.2 mg/m ³ STEL: 0.30 mg/m ³ STEL: 0.45 mg/m ³ STEL: 4 mg/m ³ TWA: 0.025 mg/m ³ TWA: 0.1 mg/m ³ TWA: 0.10 mg/m ³ TWA: 0.15 mg/m ³ TWA: 2 mg/m ³ Skin			VLA-ED: 2 mg/m ³ VLA-ED: 0.15 mg/m ³

Component

Bismuth alloy, base, Bi 50, Pb 25, Cd 12, Sn 12 (L-PbBi50Sn12.5Cd12.5)

Italy	Portugal	The Netherlands	Finland	Denmark
	TWA: 2 mg/m ³ TWA: 0.05 mg/m ³			

Component

Austria	Switzerland	Poland	Norway	Ireland

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Component	Austria	Switzerland	Poland	Norway	Ireland
Bismuth alloy, base, Bi 50, Pb 25, Cd 12, Sn 12 (L-PbBi50Sn12.5Cd12.5)	STEL: 4 mg/m ³ MAK: 2 mg/m ³	STEL: 4 mg/m ³ MAK: 2 mg/m ³		TWA: 0.05 mg/m ³ TWA: 2 mg/m ³	

Derived No Effect Level (DNEL) No information available.

Predicted No Effect Concentration (PNEC) No information available.

Exposure controls

Engineering Measures

Ensure adequate ventilation, especially in confined areas

Personal protective equipment

Eye Protection

Goggles

Hand Protection

Protective gloves

Skin and body protection

Wear appropriate protective gloves and clothing to prevent skin exposure

Respiratory Protection

Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced

Hygiene Measures

Handle in accordance with good industrial hygiene and safety practice

Environmental exposure controls

No information available.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State

Solid

Appearance

Grey

Boiling Point/Range

No information available.

Melting Point/Range

70°C / 158°F

Flash Point

No information available.

Molecular Formula

Bi . Cd . Pb . Sn

10. STABILITY AND REACTIVITY

Reactivity

Chemical Stability

Stable under normal conditions.

Possibility of Hazardous Reactions

Hazardous Polymerization

Hazardous polymerization does not occur.

Hazardous Reactions .

No information available.

Conditions to Avoid

Incompatible products.

Incompatible Materials

Strong oxidizing agents.

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Hazardous Decomposition Products

Highly toxic fumes. lead oxides. lead.

11. TOXICOLOGICAL INFORMATION

Information on Toxicological Effects

Acute Toxicity

Product Information

No acute toxicity information is available for this product

Component Information

Chronic Toxicity

Carcinogenicity

Component

Bismuth alloy, base, Bi 50, Pb 25, Cd 12, Sn 12 (L-PbBi50Sn12.5Cd12.5)

The table below indicates whether each agency has listed any ingredient as a carcinogen

IARC	UK
Group 2A	

Sensitization

Mutagenic Effects

Reproductive Effects

Developmental Effects

Target Organs

Other Adverse Effects

No information available.

No information available.

No information available.

No information available.

No information available.

The toxicological properties have not been fully investigated. See actual entry in RTECS for complete information

Endocrine Disruptor Information

None known

12. ECOLOGICAL INFORMATION

Toxicity

Ecotoxicity effects

Do not empty into drains

Persistence and degradability

No information available

Bioaccumulative potential

No information available.

Mobility in soil

No information available.

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Results of PBT and vPvB assessment

Other adverse effects

No information available

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Waste from Residues / Unused Products

Dispose of in accordance with local regulations

Contaminated Packaging

Empty containers should be taken for local recycling, recovery or waste disposal

14. TRANSPORT INFORMATION

IMDG/IMO

UN-No 2570
Hazard Class 6.1
Packing Group II
Proper Shipping Name CADMIUM COMPOUND

ADR

UN-No 2570
Hazard Class 6.1
Packing Group II
Proper Shipping Name CADMIUM COMPOUND

IATA

UN-No 2570
Hazard Class 6.1
Packing Group II
Proper Shipping Name CADMIUM COMPOUND

15. REGULATORY INFORMATION

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

International Inventories

Component	EINECS	ELINCS	NLP	TSCA	DSL	NDSL	PICCS	ENCS	CHINA	AICS	KECL
Bismuth alloy, base, Bi 50, Pb 25, Cd 12, Sn 12 (L-PbBi50Sn12.5Cd12.5)	-	-		-	-	-	-	-	-	X	-

Legend

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TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
EINECS/ELINCS - European Inventory Lists
DSL/NDL - Canadian Domestic Substances List/Non-Domestic Substances List
PICCS - Philippines Inventory of Chemicals and Chemical Substances
ENCS - Japan Existing and New Chemical Substances
CHINA - China Inventory of Existing Chemical Substances
AICS - Inventory of Chemical Substances
KECL - Existing and Evaluated Chemical Substances

Chemical Safety Assessment**16. OTHER INFORMATION****Text of R phrases mentioned in Section 2-3**

R45 - May cause cancer
R61 - May cause harm to the unborn child
R22 - Harmful if swallowed
R26 - Very toxic by inhalation
R33 - Danger of cumulative effects
R62 - Possible risk of impaired fertility
R68 - Possible risk of irreversible effects
R48/23/25 - Toxic: danger of serious damage to health by prolonged exposure through inhalation and if swallowed
R50/53 - Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

Revision Date 16-Nov-2010**Revision Summary** Not applicable**This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006****Disclaimer**

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text

End of Safety Data Sheet