ELECTROLUBE

SAFETY DATA SHEET

This safety data sheet was created pursuant to the requirements of:
Safety data sheet according to Regulation (EC) 2020/878

Revision date 25/10/2023 **Revision Number** 1.52

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

1.1. Product identifier

Product Name Polyurethane Resin UR5044, Part A

Product Code(s) UR5044A, EUR5044RP250G, EUR5044K5K, EUR5044K10K, EUR5044K20K, ZE

Safety data sheet number 01593

Pure substance/mixture Mixture

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

Recommended use Resin

Uses advised against No specific uses advised against are identified

1.3. Details of the supplier of the safety data sheet

Manufacturer

ELECTROLUBE
MacDermid Alpha Electronics Solutions
ASHBY PARK, COALFIELD WAY,
ASHBY DE LA ZOUCH,
LEICESTERSHIRE LE65 1JR
UNITED KINGDOM

+44 (0)1530 419600
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info@electrolube.com

Supplier

HK WENTWORTH LIMITED
32 RUE DE TOURNENFILS
91540 MENNECY
FRANCE

+33 (0) 1 82 88 47 94

info@electrolube.com

For further information, please contact

E-mail address info@electrolube.com

1.4. Emergency telephone number

Emergency Telephone POISON INFORMATION CENTRE (Beaumont Hospital, Republic of Ireland only) +353 (0)1 809 2166 (08:00 - 22:00)

Emergency Telephone - IN CASE OF EMERGENCY CALL: +44 1865 407333 (24hr, Provided by Carechem 24)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to
Regulation (EC) No. 1272/2008 [CLP]
This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [CLP]

2.2. Label elements

This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [CLP]

Hazard statements

This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [CLP]
EUH210 - Safety data sheet available on request

2.3. Other hazards

This mixture contains no substance considered to be persistent, bioaccumulating or toxic (PBT). This mixture contains no substance considered to be very persistent nor very bioaccumulating (vPvB).

Endocrine Disruptor Information This product does not contain any known or suspected endocrine disruptors.

SECTION 3: Composition/information on ingredients

3.1 Substances

Not applicable

3.2 Mixtures

Chemical name	Weight-%	REACH registration number	EC No (EU Index No)	Classification according to Regulation (EC) No. 1272/2008 [CLP]	Specific concentration limit (SCL)	M-Factor	M-Factor (long-term)
Antimony trioxide 1309-64-4	0.1-1	No data available	215-175-0	Carc. 2 (H351)	-	-	-

Full text of H- and EUH-phrases: see section 16

Acute Toxicity Estimate

Chemical name	Oral LD50 mg/kg	Dermal LD50 mg/kg	Inhalation LC50 - 4 hour - dust/mist - mg/L	Inhalation LC50 - 4 hour - vapour - mg/L	Inhalation LC50 - 4 hour - gas - ppm
Antimony trioxide 1309-64-4	34600	2000	5.2	No data available	No data available

This product does not contain candidate substances of very high concern at a concentration >=0.1% (Regulation (EC) No. 1907/2006 (REACH), Article 59)

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation Remove to fresh air.

Eye contact	Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a doctor.
Skin contact	Wash skin with soap and water. In the case of skin irritation or allergic reactions see a doctor.
Ingestion	Rinse mouth.

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

Symptoms	No information available.
Effects of Exposure	No information available.

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

Note to doctors	Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable Extinguishing Media	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Large Fire	CAUTION: Use of water spray when fighting fire may be inefficient.
Unsuitable extinguishing media	Do not scatter spilled material with high pressure water streams.

5.2. Special hazards arising from the substance or mixture

Specific hazards arising from the chemical	No information available.

5.3. Advice for firefighters

Special protective equipment and precautions for fire-fighters	Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions	Ensure adequate ventilation.
For emergency responders	Use personal protection recommended in Section 8.

6.2. Environmental precautions

Environmental precautions	See Section 12 for additional Ecological Information.

6.3. Methods and material for containment and cleaning up

Methods for containment	Prevent further leakage or spillage if safe to do so.

Methods for cleaning up Take up mechanically, placing in appropriate containers for disposal.

Prevention of secondary hazards Clean contaminated objects and areas thoroughly observing environmental regulations.

6.4. Reference to other sections

Reference to other sections See section 8 for more information. See section 13 for more information.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling Ensure adequate ventilation.

General hygiene considerations Handle in accordance with good industrial hygiene and safety practice.

7.2. Conditions for safe storage, including any incompatibilities

Storage Conditions Keep container tightly closed in a dry and well-ventilated place.

7.3. Specific end use(s)

Risk Management Methods (RMM) The information required is contained in this Safety Data Sheet.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure Limits This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Chemical name	European Union	Austria	Belgium	Bulgaria	Croatia
Aluminium Hydroxide 21645-51-2	-	TWA: 5 mg/m³ STEL 10 mg/m³	-	TWA: 10.0 mg/m³ TWA: 1.5 mg/m³	-
Kaolin 1332-58-7	-	-	TWA: 2 mg/m³	TWA: 3.0 mg/m³ TWA: 6.0 mg/m³	TWA: 2 mg/m³
Amorphous Silica 7631-86-9	TWA: 0.1 mg/m³	TWA: 4 mg/m³	TWA: 3 mg/m³ TWA: 10 mg/m³	TWA: 1.0 mg/m³ TWA: 0.1 mg/m³	TWA: 1.2 mg/m³
Antimony trioxide 1309-64-4	-	TWA: 0.5 mg/m³ STEL 1.5 mg/m³	TWA: 0.5 mg/m³	TWA: 0.5 mg/m³	TWA: 0.5 mg/m³
Lead monoxide 1317-36-8	TWA: 0.15 mg/m³	TWA: 0.1 mg/m³ STEL 0.4 mg/m³	TWA: 0.15 mg/m³	TWA: 0.05 mg/m³	TWA: 0.15 mg/m³

Chemical name	Cyprus	Czech Republic	Denmark	Estonia	Finland
Aluminium Hydroxide 21645-51-2	-	TWA: 10.0 mg/m³	-	-	-
1,2-Benzenedicarboxylic acid, di-C9-11-branched alkyl esters, C10-rich 68515-49-1	-	-	TWA: 3 mg/m³ STEL: 6 mg/m³ esters, not specified elsewhere in the list	TWA: 3 mg/m³ STEL: 5 mg/m³	-
Kaolin 1332-58-7	-	-	TWA: 2 mg/m³ STEL: 4 mg/m³	-	TWA: 2 mg/m³

Amorphous Silica 7631-86-9	TWA: 0.1 mg/m³	TWA: 0.1 mg/m³ TWA: 4.0 mg/m³	TWA: 1.5 mg/m³ STEL: 3 mg/m³ uncalcinated with no content of Quartz	TWA: 2 mg/m³	TWA: 5 mg/m³
Antimony trioxide 1309-64-4	-	TWA: 0.1 mg/m³ Ceiling: 0.2 mg/m³	TWA: 0.5 mg/m³ STEL: 1 mg/m³ except Stibine	TWA: 0.5 mg/m³	TWA: 0.5 mg/m³
Lead monoxide 1317-36-8	TWA: 0.15 mg/m³	TWA: 0.05 mg/m³ Ceiling: 0.2 mg/m³	TWA: 0.05 mg/m³ STEL: 0.1 mg/m³	TWA: 0.1 mg/m³ TWA: 0.05 mg/m³	TWA: 0.1 mg/m³
Chemical name	France	Germany TRGS	Germany DFG	Greece	Hungary
Aluminium Hydroxide 21645-51-2	-	TWA: 1.25 mg/m³ TWA: 10 mg/m³	TWA: 4 mg/m³ TWA: 1.5 mg/m³	-	-
Kaolin 1332-58-7	TWA: 10 mg/m³	-	-	-	-
Amorphous Silica 7631-86-9	-	TWA: 4 mg/m³	TWA: 0.02 mg/m³ Peak: 0.16 mg/m³	TWA: 0.1 mg/m³	-
Antimony trioxide 1309-64-4	TWA: 0.5 mg/m³	TWA: 0.006 mg/m³	-	TWA: 0.5 mg/m³	TWA: 0.5 mg/m³
Thiodiethylene bis[3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate] 41484-35-9	-	TWA: 2 mg/m³	TWA: 2 mg/m³ Peak: 4 mg/m³	-	-
Oxydipropanol 25265-71-8	-	TWA: 100 mg/m³	TWA: 100 mg/m³ Peak: 200 mg/m³	-	-
Lead monoxide 1317-36-8	TWA: 0.1 mg/m³	-	TWA: 0.004 mg/m³ Peak: 0.032 mg/m³	TWA: 0.15 mg/m³	TWA: 0.1 mg/m³ TWA: 0.05 mg/m³
Chemical name	Ireland	Italy MDLPS	Italy AIDII	Latvia	Lithuania
Aluminium Hydroxide 21645-51-2	TWA: 10 mg/m³ TWA: 4 mg/m³ STEL: 30 mg/m³ STEL: 12 mg/m³	-	TWA: 1 mg/m³	TWA: 6 mg/m³	TWA: 6 mg/m³
1,2-Benzenedicarboxylic acid, di-C9-11-branched alkyl esters, C10-rich 68515-49-1	-	-	-	-	STEL: 5 mg/m³ TWA: 3 mg/m³
Kaolin 1332-58-7	TWA: 2 mg/m³	-	TWA: 2 mg/m³	-	-
Amorphous Silica 7631-86-9	TWA: 6 mg/m³ TWA: 2.4 mg/m³ STEL: 18 mg/m³ STEL: 7.2 mg/m³	TWA: 0.1 mg/m³	-	TWA: 1 mg/m³	-
Antimony trioxide 1309-64-4	TWA: 0.5 mg/m³ STEL: 1.5 mg/m³	-	TWA: 0.5 mg/m³	TWA: 1 mg/m³	TWA: 0.5 mg/m³
Zeolites 1318-02-1	-	-	-	TWA: 2 mg/m³	-
Lead monoxide 1317-36-8	TWA: 0.15 mg/m³ STEL: 0.45 mg/m³	TWA: 0.15 mg/m³	TWA: 0.05 mg/m³	TWA: 0.05 mg/m³ STEL: 0.1 mg/m³	TWA: 0.15 mg/m³ TWA: 0.07 mg/m³
Chemical name	Luxembourg	Malta	Netherlands	Norway	Poland
Aluminium Hydroxide 21645-51-2	-	-	-	-	TWA: 2.5 mg/m³ TWA: 1.2 mg/m³
Kaolin 1332-58-7	-	-	-	-	TWA: 10.0 mg/m³
Amorphous Silica 7631-86-9	-	-	TWA: 0.075 mg/m³	TWA: 1.5 mg/m³ STEL: 3 mg/m³	TWA: 10 mg/m³ TWA: 2 mg/m³
Antimony trioxide 1309-64-4	-	-	TWA: 0.5 mg/m³	TWA: 0.5 mg/m³ STEL: 1.5 mg/m³	TWA: 0.5 mg/m³

Lead monoxide 1317-36-8	TWA: 0.15 mg/m³	-	TWA: 0.15 mg/m³	TWA: 0.05 mg/m³ STEL: 0.15 mg/m³	TWA: 0.05 mg/m³

Chemical name	Portugal	Romania	Slovakia	Slovenia	Spain
Aluminium Hydroxide 21645-51-2	TWA: 1 mg/m³	-	TWA: 1.5 mg/m³ TWA: 4 mg/m³	-	TWA: 1 mg/m³
Kaolin 1332-58-7	TWA: 2 mg/m³	-	TWA: 10 mg/m³	-	TWA: 2 mg/m³
Amorphous Silica 7631-86-9	TWA: 0.05 mg/m³ TWA: 0.1 mg/m³	-	-	TWA: 4 mg/m³	-
Antimony trioxide 1309-64-4	TWA: 0.5 mg/m³	-	TWA: 0.5 mg/m³	-	TWA: 0.5 mg/m³
Oxydipropanol 25265-71-8	-	-	-	TWA: 100 mg/m³ STEL: 200 mg/m³	-
Lead monoxide 1317-36-8	TWA: 0.05 mg/m³	TWA: 0.15 mg/m³	TWA: 0.15 mg/m³ TWA: 0.5 mg/m³	TWA: 0.1 mg/m³ STEL: 0.4 mg/m³	TWA: 0.15 mg/m³

Chemical name	Sweden	Switzerland	United Kingdom
Aluminium Hydroxide 21645-51-2	-	TWA: 3 mg/m³ TWA: 10 mg/m³	TWA: 10 mg/m³ TWA: 4 mg/m³ STEL: 30 mg/m³ STEL: 12 mg/m³
1,2-Benzenedicarboxylic acid, di-C9-11-branched alkyl esters, C10-rich 68515-49-1	NGV: 3 mg/m³	-	-
Kaolin 1332-58-7	-	TWA: 3 mg/m³	TWA: 2 mg/m³ STEL: 6 mg/m³
Amorphous Silica 7631-86-9	-	TWA: 4 mg/m³	TWA: 6 mg/m³ TWA: 2.4 mg/m³ STEL: 18 mg/m³ STEL: 7.2 mg/m³
Antimony trioxide 1309-64-4	NGV: 0.25 mg/m³	TWA: 0.1 mg/m³	TWA: 0.5 mg/m³ STEL: 1.5 mg/m³
Thiodiethylene bis[3-(3,5-di-tert-butyl-4-hydroxy phenyl)propionate] 41484-35-9	-	TWA: 3 mg/m³ STEL: 6 mg/m³	-
Oxydipropanol 25265-71-8	-	TWA: 140 mg/m³ STEL: 280 mg/m³	-
Lead monoxide 1317-36-8	NGV: 0.1 mg/m³ NGV: 0.05 mg/m³	TWA: 0.1 mg/m³ STEL: 0.8 mg/m³	TWA: 0.15 mg/m³ STEL: 0.45 mg/m³

Biological occupational exposure limits

This product, as supplied, does not contain any hazardous materials with biological limits established by the region specific regulatory bodies.

Chemical name	Denmark	Finland	France	Germany DFG	Germany TRGS
Antimony trioxide 1309-64-4	-	-	-	0.2 µg/L - BAR (end of exposure or end of shift) urine 0.2 µg/L - BAR (for long-term exposures: at the end of the shift after several shifts) urine	-

Derived No Effect Level (DNEL) - Workers

Chemical name	Oral	Dermal	Inhalation
Aluminium Hydroxide 21645-51-2	-	-	10.76 mg/m³ [4] [6] 10.76 mg/m³ [5] [6]
1,2-Benzenedicarboxylic acid, di-C9-11-branched alkyl esters, C10-rich 68515-49-1	-	41.67 mg/kg bw/day [4] [6]	5.29 mg/m³ [4] [6]
Antimony trioxide 1309-64-4	-	67 mg/kg bw/day [4] [6]	0.315 mg/m³ [5] [6]
Didodecyl 3,3'-thiodipropionate 123-28-4	-	3.5 mg/kg bw/day [4] [6] 3.5 mg/kg bw/day [4] [7]	24.7 mg/m³ [4] [6] 24.7 mg/m³ [4] [7]
Glycol Propylene Oxide Polymer 25791-96-2	-	13.9 mg/kg bw/day [4] [6]	98 mg/m³ [4] [6]
Thiodiethylene bis[3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate] 41484-35-9	-	13.8 mg/kg bw/day [4] [6]	4.9 mg/m³ [4] [6]
Oxydipropanol 25265-71-8	-	84 mg/kg bw/day [4] [6]	238 mg/m³ [4] [6]
1,4-Diazabicyclooctane 280-57-9	-	1.4 mg/kg bw/day [4] [6]	8.24 mg/m³ [4] [6]

Derived No Effect Level (DNEL) - General Public .

Chemical name	Oral	Dermal	Inhalation
Aluminium Hydroxide 21645-51-2	4.74 mg/kg bw/day [4] [6]	-	-
1,2-Benzenedicarboxylic acid, di-C9-11-branched alkyl esters, C10-rich 68515-49-1	0.75 mg/kg bw/day [4] [6]	-	1.3 mg/m³ [4] [6]
Antimony trioxide 1309-64-4	33.5 mg/kg bw/day [4] [6]	-	0.095 mg/m³ [5] [6]
Didodecyl 3,3'-thiodipropionate 123-28-4	1.75 mg/kg bw/day [4] [6] 1.75 mg/kg bw/day [4] [7]	1.75 mg/kg bw/day [4] [6] 1.75 mg/kg bw/day [4] [7]	6.1 mg/m³ [4] [6] 6.1 mg/m³ [4] [7]
Glycol Propylene Oxide Polymer 25791-96-2	8.3 mg/kg bw/day [4] [6]	-	29 mg/m³ [4] [6]
Thiodiethylene bis[3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate] 41484-35-9	0.69 mg/kg bw/day [4] [6]	-	-
Oxydipropanol 25265-71-8	24 mg/kg bw/day [4] [6]	-	70 mg/m³ [4] [6]
1,4-Diazabicyclooctane 280-57-9	0.5 mg/kg bw/day [4] [6]	-	1.46 mg/m³ [4] [6]

Predicted No Effect Concentration (PNEC) .

Chemical name	Freshwater	Freshwater (intermittent release)	Marine water	Marine water (intermittent release)	Air

Chemical name	Freshwater	Freshwater (intermittent release)	Marine water	Marine water (intermittent release)	Air
Antimony trioxide 1309-64-4	0.135 mg/L	-	0.0135 mg/L	-	-
Glycol Propylene Oxide Polymer 25791-96-2	0.2 mg/L	1 mg/L	0.02 mg/L	-	-
Oxydipropanol 25265-71-8	0.1 mg/L	1 mg/L	0.01 mg/L	-	-
1,4-Diazabicyclooctane 280-57-9	0.1 mg/L	1 mg/L	0.01 mg/L	-	-

Chemical name	Freshwater sediment	Marine sediment	Sewage treatment	Soil	Food chain
Antimony trioxide 1309-64-4	13.4 mg/kg sediment dw	2.68 mg/kg sediment dw	3.05 mg/L	44.3 mg/kg soil dw	-
Glycol Propylene Oxide Polymer 25791-96-2	0.52 mg/kg sediment dw	0.052 mg/kg sediment dw	1000 mg/L	0.0665 mg/kg soil dw	-
Oxydipropanol 25265-71-8	0.238 mg/kg sediment dw	0.0238 mg/kg sediment dw	1000 mg/L	0.0253 mg/kg soil dw	313 mg/kg food
1,4-Diazabicyclooctane 280-57-9	1.3 mg/kg sediment dw	0.13 mg/kg sediment dw	200 mg/L	0.19 mg/kg soil dw	-

8.2. Exposure controls

Engineering controls Ensure adequate ventilation, especially in confined areas.

Personal protective equipment

Eye/face protection No special protective equipment required.

Skin and body protection No special protective equipment required.

Respiratory protection No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

General hygiene considerations Handle in accordance with good industrial hygiene and safety practice.

Environmental exposure controls No information available.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state Liquid
Appearance Liquid
Colour Off-white
Odour Characteristic.
Odour threshold No information available

Property	Values	Remarks • Method
Melting point / freezing point	No data available	None known
Initial boiling point and boiling range	No data available	None known
Flammability	No data available	None known
Flammability Limit in Air		None known
Upper flammability or explosive limits	No data available	
Lower flammability or explosive limits	No data available	
Flash point	No data available	None known
Autoignition temperature	No data available	None known
Decomposition temperature		None known
pH	No data available	None known
pH (as aqueous solution)	No data available	None known
Kinematic viscosity	No data available	None known
Dynamic viscosity	10000 mPa s @ 23°C/73.4°F	None known
Water solubility	No data available	None known
Solubility(ies)	No data available	None known
Partition coefficient	No data available	None known
Vapour pressure	No data available	None known
Relative density	No data available	None known
Bulk density	1.59 kg/l	
Liquid Density	No data available	
Relative vapour density	No data available	None known
Particle characteristics		
Particle Size	No information available	
Particle Size Distribution	No information available	

9.2. Other information

9.2.1. Information with regards to physical hazard classes

Explosive properties	Not considered to be explosive.
Oxidising properties	Does not meet the criteria for classification as oxidizing.

9.2.2. Other safety characteristics
No information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity No information available.

10.2. Chemical stability

Stability Stable under normal conditions.

Explosion data
Sensitivity to mechanical impact None.
Sensitivity to static discharge None.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions None under normal processing.

10.4. Conditions to avoid

Conditions to avoid None known based on information supplied.

10.5. Incompatible materials

Incompatible materials None known based on information supplied.

10.6. Hazardous decomposition products

Hazardous decomposition products None known based on information supplied.

SECTION 11: Toxicological information

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

Information on likely routes of exposure

Product Information

Inhalation Specific test data for the substance or mixture is not available.

Eye contact Specific test data for the substance or mixture is not available.

Skin contact Specific test data for the substance or mixture is not available.

Ingestion Specific test data for the substance or mixture is not available.

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms No information available.

Acute toxicity

Numerical measures of toxicity
No information available

The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (oral)	8,982.40 mg/kg
ATEmix (dermal)	14,664.80 mg/kg
ATEmix (inhalation-gas)	99,999.00 ppm
ATEmix (inhalation-vapour)	99,999.00 mg/l
ATEmix (inhalation-dust/mist)	99,999.00 mg/l

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Antimony trioxide	> 34600 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	> 5.2 mg/L (Rat) 4 h

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation Based on available data, the classification criteria are not met.

Serious eye damage/eye irritation Based on available data, the classification criteria are not met.

Respiratory or skin sensitisation Based on available data, the classification criteria are not met.

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

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

Chemical name	European Union
Antimony trioxide	Carc. 2

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

STOT - single exposure Based on available data, the classification criteria are not met.

STOT - repeated exposure Based on available data, the classification criteria are not met.

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

11.2. Information on other hazards

11.2.1. Endocrine disrupting properties

Endocrine disrupting properties 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.

11.2.2. Other information

Other adverse effects No information available.

SECTION 12: Ecological information

12.1. Toxicity

Ecotoxicity Very toxic to aquatic life with long lasting effects.

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Antimony trioxide	EC50: 0.63 - 0.8mg/L (72h, Pseudokirchneriella subcapitata) EC50: 0.65 - 0.81mg/L (96h, Pseudokirchneriella subcapitata)	LC50: >80mg/L (96h, Pimephales promelas) LC50: >1000mg/L (96h, Brachydanio rerio)	-	EC50: >1000mg/L (48h, Daphnia magna) EC50: 361.5 - 496.0mg/L (48h, Daphnia magna)

12.2. Persistence and degradability

Persistence and degradability No information available.

12.3. Bioaccumulative potential

Bioaccumulation There is no data for this product.

12.4. Mobility in soil

Mobility in soil No information available.

12.5. Results of PBT and vPvB assessment

PBT and vPvB assessment The product does not contain any substance(s) classified as PBT or vPvB above the threshold of declaration.

Chemical name	PBT and vPvB assessment
Antimony trioxide	The substance is not PBT / vPvB PBT assessment does not apply

12.6. Endocrine disrupting properties

Endocrine disrupting properties No information available.

12.7. Other adverse effects
No information available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste from residues/unused products Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

Contaminated packaging Do not reuse empty containers.

SECTION 14: Transport information

IATA

14.1 UN number or ID number Not regulated
14.2 UN proper shipping name Not regulated
14.3 Transport hazard class(es) Not regulated
14.4 Packing group Not regulated
14.5 Environmental hazards Not applicable
14.6 Special precautions for user Special Provisions None

IMDG

14.1 UN number or ID number Not regulated
14.2 UN proper shipping name Not regulated
14.3 Transport hazard class(es) Not regulated
14.4 Packing group Not regulated
14.5 Environmental hazards Not applicable
14.6 Special precautions for user Special Provisions None
14.7 Maritime transport in bulk according to IMO instruments No information available

RID

14.1 UN number or ID number	Not regulated
14.2 UN proper shipping name	Not regulated
14.3 Transport hazard class(es)	Not regulated
14.4 Packing group	Not regulated
14.5 Environmental hazards	Not applicable
14.6 Special precautions for user	
Special Provisions	None

ADR

14.1 UN number or ID number	Not regulated
14.2 UN proper shipping name	Not regulated
14.3 Transport hazard class(es)	Not regulated
14.4 Packing group	Not regulated
14.5 Environmental hazards	Not applicable
14.6 Special precautions for user	
Special Provisions	None

SECTION 15: Regulatory information

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

Chemical name	French RG number
Antimony trioxide - 1309-64-4	RG 73

Water hazard class (WGK) strongly hazardous to water (WGK 3)

European Union

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work.

Authorisations and/or restrictions on use:

This product does not contain substances subject to authorisation (Regulation (EC) No. 1907/2006 (REACH), Annex XIV) This product does not contain substances subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII)

Chemical name	Restricted substance per REACH Annex XVII	Substance subject to authorisation per REACH Annex XIV
Antimony trioxide - 1309-64-4	Use restricted. See item 75.	-

Persistent Organic Pollutants

Not applicable

Ozone-depleting substances (ODS) regulation (EC) 1005/2009

Not applicable

International Inventories

TSCA	Contact supplier for inventory compliance status
DSL/NDSL	Contact supplier for inventory compliance status

EINECS/ELINCS	Contact supplier for inventory compliance status
ENCS	Contact supplier for inventory compliance status
IECSC	Contact supplier for inventory compliance status
KECL	Contact supplier for inventory compliance status
PICCS	Contact supplier for inventory compliance status
AIIC	Contact supplier for inventory compliance status
NZIoC	Contact supplier for inventory compliance status

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
ENCS - Japan Existing and New Chemical Substances
IECSC - China Inventory of Existing Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances
PICCS - Philippines Inventory of Chemicals and Chemical Substances
AIIC - Australian Inventory of Industrial Chemicals
NZIoC - New Zealand Inventory of Chemicals

15.2. Chemical safety assessment

Chemical Safety Report No information available

SECTION 16: Other information

Key or legend to abbreviations and acronyms used in the safety data sheet

Full text of H-Statements referred to under section 3
H351 - Suspected of causing cancer

Legend
SVHC: Substances of Very High Concern for Authorisation:

Legend Section 8: Exposure controls/personal protection

TWA	TWA (time-weighted average)	STEL	STEL (Short Term Exposure Limit)
Ceiling	Maximum limit value	*	Skin designation
+	Sensitisers		

Classification procedure	
Classification according to Regulation (EC) No. 1272/2008 [CLP]	Method Used
Acute oral toxicity	Calculation method
Acute dermal toxicity	Calculation method
Acute inhalation toxicity - gas	Calculation method
Acute inhalation toxicity - vapour	Calculation method
Acute inhalation toxicity - dust/mist	Calculation method
Skin corrosion/irritation	Calculation method
Serious eye damage/eye irritation	Calculation method
Respiratory sensitisation	Calculation method
Skin sensitisation	Calculation method
Mutagenicity	Calculation method
Carcinogenicity	Calculation method
Reproductive toxicity	Calculation method
STOT - single exposure	Calculation method
STOT - repeated exposure	Calculation method

Acute aquatic toxicity	Calculation method
Chronic aquatic toxicity	Calculation method
Aspiration hazard	Calculation method
Ozone	Calculation method

Key literature references and sources for data used to compile the SDS
Agency for Toxic Substances and Disease Registry (ATSDR)
U.S. Environmental Protection Agency ChemView Database
European Food Safety Authority (EFSA)
European Chemicals Agency (ECHA) Committee for Risk Assessment (ECHA_RAC)
European Chemicals Agency (ECHA) (ECHA_API)
EPA (Environmental Protection Agency)
Acute Exposure Guideline Level(s) (AEGL(s))
U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act
U.S. Environmental Protection Agency High Production Volume Chemicals
Food Research Journal
Hazardous Substance Database
International Uniform Chemical Information Database (IUCLID)
National Institute of Technology and Evaluation (NITE)
Australian National Industrial Chemicals Notification and Assessment Scheme (NICNAS)
NIOSH (National Institute for Occupational Safety and Health)
National Library of Medicine's ChemID Plus (NLM CIP)
National Library of Medicine’s PubMed database (NLM PUBMED)
National Toxicology Program (NTP)
New Zealand's Chemical Classification and Information Database (CCID)
Organisation for Economic Co-operation and Development Environment, Health, and Safety Publications
Organisation for Economic Co-operation and Development High Production Volume Chemicals Programme
Organisation for Economic Co-operation and Development Screening Information Data Set
World Health Organization

Revision date 25/10/2023

Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH)
Disclaimer
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 given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered 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 materials or in any process, unless specified in the text.

End of Safety Data Sheet