

SAFETY DATA SHEET



according to Commission Regulation (EU) 2020/878 as amended

Kwas lutowniczy

| | | | |
|---------------|---------------------|---------|-----|
| Creation date | 12th September 2022 | Version | 6.0 |
| Revision date | 16th February 2023 | | |

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

- 1.1. Product identifier**
Substance / mixture: Kwas lutowniczy mixture
UFI: CN10-K02S-S00G-D4AH
- 1.2. Relevant identified uses of the substance or mixture and uses advised against**
Mixture's intended use
Soldering nickel surfaces.
Main intended use
PC-TEC-24 Welding, soldering, and flux products
Mixture uses advised against
The product should not be used in ways other than those referred in Section 1.
- 1.3. Details of the supplier of the safety data sheet**
Manufacturer
Name or trade name: AG TermoPasty Grzegorz Gąsowski
Address: Kolejowa 33 E, Sokoły, 18-218 Poland
Identification number (CRN): 200133730
VAT Reg No: PL9661767714
Phone: 862741342
E-mail: biuro@termopasty.pl
Web address: www.termopasty.pl
Competent person responsible for the safety data sheet
Name: AG TermoPasty Grzegorz Gąsowski
E-mail: biuro@termopasty.pl
- 1.4. Emergency telephone number**
European emergency number: 112

SECTION 2: Hazards identification

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

The mixture is classified as dangerous.

Acute Tox. 4, H302
Skin Corr. 1B, H314

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

Most serious adverse effects on human health and the environment

Causes severe skin burns and eye damage. Harmful if swallowed.

- 2.2. Label elements**

Hazard pictogram



Signal word

Danger

Hazardous substances

phosphoric acid 75-85 %
oxalic acid

Hazard statements

H302 Harmful if swallowed.
H314 Causes severe skin burns and eye damage.

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Precautionary statements

P260 Do not breathe dust/fume/gas/mist/vapours/spray.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 Immediately call a doctor.
P405 Store locked up.

2.3. Other hazards

The mixture does not contain substances with endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605. Mixture does not contain any substance meet the criteria for PBT or vPvB in accordance with Annex XIII of Regulation (EC) No. 1907/2006 (REACH) as amended.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Mixture contains these hazardous substances and substances with the highest permissible concentration in the working environment

| Identification numbers | Substance name | Content in % weight | Classification according to Regulation (EC) No 1272/2008 | Note |
|---|-------------------------|---------------------|--|---------|
| Index: 015-011-00-6 CAS: 7664-38-2 EC: 231-633-2 Registration number: 01-2119485924-24-XXXX | phosphoric acid 75-85 % | ≥25 | Met. Corr. 1, H290 Acute Tox. 4, H302 Skin Corr. 1B, H314 Specific concentration limit: Skin Corr. 1B, H314: C ≥ 25 % Eye Irrit. 2, H319: 10 % ≤ C < 25 % Skin Irrit. 2, H315: 10 % ≤ C < 25 % | 1, 2, 3 |
| Index: 016-026-00-0 CAS: 5329-14-6 EC: 226-218-8 Registration number: 01-2119488633-28-XXXX | sulphamidic acid | <5 | Skin Irrit. 2, H315 Eye Irrit. 2, H319 Aquatic Chronic 3, H412 | |
| Index: 607-006-00-8 CAS: 6153-56-6 EC: 205-634-3 Registration number: 01-2119534576-33-XXXX | oxalic acid | <5 | Acute Tox. 4, H302+H312 Eye Dam. 1, H318 | |

Notes

- Note B: Some substances (acids, bases, etc.) are placed on the market in aqueous solutions at various concentrations and, therefore, these solutions require different classification and labelling since the hazards vary at different concentrations. In Part 3 entries with Note B have a general designation of the following type: 'nitric acid ... %'. In this case the supplier must state the percentage concentration of the solution on the label. Unless otherwise stated, it is assumed that the percentage concentration is calculated on a weight/weight basis.
- A substance for which exposure limits are set.
- The substance is included in Annex XIV of the REACH Regulation

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

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SECTION 4: First aid measures

4.1. Description of first aid measures

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

If inhaled

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

If on skin

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

If in eyes

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

If swallowed

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

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

If inhaled

Inhaling vapours can cause corrosion of the breathing system.

If on skin

Causes severe skin burns.

If in eyes

Causes serious eye damage.

If swallowed

Corrosion of the digestion system can occur.

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

Symptomatic treatment.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

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

Unsuitable extinguishing media

Water - full jet.

5.2. Special hazards arising from the substance or mixture

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

5.3. Advice for firefighters

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

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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Use personal protective equipment for work. Follow the instructions in the Sections 7 and 8. Do not inhale mist/vapours/spray. Prevent contact with skin and eyes.

6.2. Environmental precautions

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

6.3. Methods and material for containment and cleaning up

Spilled product should be covered with suitable (non-flammable) absorbing material (sand, diatomaceous earth, earth and other suitable absorption materials); to be contained in well closed containers and removed as per the Section 13. In the event of leakage of the substantial amount of the product, inform fire brigade and other competent bodies. After removal of the product, wash the contaminated site with plenty of water. Do not use solvents.

6.4. Reference to other sections

See the Section 7, 8 and 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Prevent formation of gases and vapours in concentrations exceeding the occupational exposure limits. Do not inhale mist/vapours/spray. Prevent contact with skin and eyes. Do not eat, drink or smoke when using this product. Wash hands and exposed parts of the body thoroughly after handling. Use personal protective equipment as per Section 8. Observe valid legal regulations on safety and health protection.

7.2. Conditions for safe storage, including any incompatibilities

Store in tightly closed containers in cold, dry and well ventilated areas designated for this purpose. Store locked up.

| Content | Packaging type | Material of package |
|---------|----------------|---------------------|
| 500 ml | bottle | HDPE |
| 1000 ml | bottle | HDPE |
| 100 ml | bottle | HDPE |
| 35 ml | bottle | HDPE |

7.3. Specific end use(s)

not available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

The mixture contains substances for which occupational exposure limits are set.

European Union

Commission Directive 2000/39/EC

| Substance name (component) | Type | Value |
|--|----------------|---------------------|
| phosphoric acid 75-85 % (CAS: 7664-38-2) | OEL 8 hours | 1 mg/m ³ |
| | OEL 15 minutes | 2 mg/m ³ |

United Kingdom

EH40/2005 Workplace exposure limits (Fourth Edition 2020)

| Substance name (component) | Type | Value |
|--|-----------|---------------------|
| phosphoric acid 75-85 % (CAS: 7664-38-2) | WEL 8h | 1 mg/m ³ |
| | WEL 15min | 2 mg/m ³ |

DNEL

oxalic acid

| Workers / consumers | Route of exposure | Value | Effect | Value determination | Source |
|---------------------|-------------------|-------------------------|--------------------------|---------------------|--------|
| Workers | Dermal | 0.69 mg/cm ² | Acute effects local | | |
| Workers | Dermal | 2.29 mg/kg bw | Chronic effects systemic | | |

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oxalic acid

| Workers / consumers | Route of exposure | Value | Effect | Value determination | Source |
|---------------------|-------------------|-------------------------|--------------------------|---------------------|--------|
| Workers | Inhalation | 4.03 mg/m ³ | Chronic effects systemic | | |
| Consumers | Dermal | 0.35 mg/cm ² | Acute effects local | | |
| Consumers | Dermal | 1.14 mg/kg bw | Chronic effects systemic | | |

phosphoric acid 75-85 %

| Workers / consumers | Route of exposure | Value | Effect | Value determination | Source |
|---------------------|-------------------|------------------------|-----------------------|---------------------|--------|
| Workers | Inhalation | 1 mg/m ³ | Chronic effects local | | |
| Workers | Inhalation | 2 mg/m ³ | Acute effects local | | |
| Consumers | Inhalation | 0.73 mg/m ³ | Chronic effects local | | |

sulphamidic acid

| Workers / consumers | Route of exposure | Value | Effect | Value determination | Source |
|---------------------|-------------------|------------------------|--------------------------|---------------------|--------|
| Workers | Inhalation | 70.5 mg/m ³ | Chronic effects systemic | | |
| Workers | Dermal | 10 mg/kg bw/day | Chronic effects systemic | | |
| Consumers | Inhalation | 17.4 mg/m ³ | Chronic effects systemic | | |
| Consumers | Dermal | 5 mg/kg bw/day | Chronic effects systemic | | |
| Consumers | Oral | 5 mg/kg bw/day | Chronic effects systemic | | |

PNEC

oxalic acid

| Route of exposure | Value | Value determination | Source |
|------------------------------------|--------------|---------------------|--------|
| Drinking water | 0.1622 mg/l | | |
| Marine water | 0.01622 mg/l | | |
| Microorganisms in sewage treatment | 1550 mg/l | | |

sulphamidic acid

| Route of exposure | Value | Value determination | Source |
|------------------------------------|------------|---------------------|--------|
| Drinking water | 1.8 mg/l | | |
| Marine water | 0.18 mg/l | | |
| Water (intermittent release) | 0.48 mg/l | | |
| Freshwater sediment | 8.36 mg/kg | | |
| Sea sediments | 0.84 mg/kg | | |
| Microorganisms in sewage treatment | 20 mg/l | | |
| Soil (agricultural) | 5 mg/kg | | |

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8.2. Exposure controls

Follow the usual measures intended for health protection at work and especially for good ventilation. This can be achieved only by local suction or efficient general ventilation. Do not eat, drink and smoke during work. Wash your hands thoroughly with water and soap after work and before breaks for a meal and rest.

Eye/face protection

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

Skin protection

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

Respiratory protection

Halfmask with a filter against organic vapours or a self-contained breathing apparatus as appropriate if exposure limit values of substances are exceeded or in a poorly ventilated environment.

Thermal hazard

Data not available.

Environmental exposure controls

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

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
|--|-----------------------|
| Physical state | liquid |
| Colour | colourless |
| Odour | characteristic |
| Melting point/freezing point | data not available |
| Boiling point or initial boiling point and boiling range | 100 °C |
| Flammability | non-flammable |
| Lower and upper explosion limit | data not available |
| Flash point | data not available |
| Auto-ignition temperature | data not available |
| Decomposition temperature | data not available |
| pH | non-polar/aprotic |
| Kinematic viscosity | data not available |
| Solubility in water | soluble |
| Partition coefficient n-octanol/water (log value) | data not available |
| Vapour pressure | data not available |
| Density and/or relative density | |
| Density | 1,2 g/cm ³ |
| Relative vapour density | data not available |
| Particle characteristics | data not available |
| Form | liquid |

9.2. Other information

not available

SECTION 10: Stability and reactivity

10.1. Reactivity

not available

10.2. Chemical stability

The product is stable under normal conditions.

10.3. Possibility of hazardous reactions

Unknown.

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10.4. Conditions to avoid

The product is stable and no degradation occurs under normal use. Protect against flames, sparks, overheating and against frost.

10.5. Incompatible materials

Protect against strong acids, bases and oxidizing agents.

10.6. Hazardous decomposition products

Not developed under normal uses. Dangerous outcomes such as carbon monoxide and carbon dioxide are formed at high temperature and in fire.

SECTION 11: Toxicological information

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

Inhalation of solvent vapors above values exceeding exposure limits for working environment may result in acute inhalation poisoning, depending on the level of concentration and exposure time. No toxicological data is available for the mixture.

Acute toxicity

Harmful if swallowed.

oxalic acid

| Route of exposure | Parameter | Value | Exposure time | Species | Sex |
|-------------------|------------------|------------|---------------|---------|-----|
| Oral | LD ₅₀ | 375 mg/kg | | Rat | |
| Dermal | LD ₅₀ | 2000 mg/kg | | Rat | |

phosphoric acid 75-85 %

| Route of exposure | Parameter | Value | Exposure time | Species | Sex |
|-------------------|------------------|------------|---------------|-------------------------|-----|
| Oral | LD ₅₀ | 2600 ml/kg | | Rat (Rattus norvegicus) | |
| Oral | NOAEL | 250 mg/kg | | Rat (Rattus norvegicus) | |

sulphamidic acid

| Route of exposure | Parameter | Value | Exposure time | Species | Sex |
|-------------------|------------------|-------------------|---------------|---------|-----|
| Oral | LD ₅₀ | 2065 mg/kg | | Rat | |
| Dermal | LD ₅₀ | >2000 mg/kg | | Rat | |
| | NOAEL | 200 mg/kg bw/day | | Rat | |
| Oral | NOAEL | 1000 mg/kg bw/day | | Rat | |

Skin corrosion/irritation

Causes severe skin burns and eye damage.

Serious eye damage/irritation

Causes severe skin burns and eye damage.

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.

Reproductive toxicity

Based on available data the classification criteria are not met.

Toxicity for specific target organ - single exposure

Based on available data the classification criteria are not met.

Toxicity for specific target organ - repeated exposure

Based on available data the classification criteria are not met.

Aspiration hazard

Based on available data the classification criteria are not met.

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11.2. Information on other hazards

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

SECTION 12: Ecological information

12.1. Toxicity

Acute toxicity

oxalic acid

| Parameter | Method | Value | Exposure time | Species | Environment | Value determination |
|------------------|----------|------------|---------------|-------------------------|-------------|---------------------|
| LC ₅₀ | | 160 mg/l | 96 hours | Fish | | |
| EC ₅₀ | OECD 202 | 162.2 mg/l | 48 hours | Daphnia (Daphnia magna) | | |
| | | 80 mg/l | 8 days | Algae | | |

phosphoric acid 75-85 %

| Parameter | Method | Value | Exposure time | Species | Environment | Value determination |
|------------------|----------|-----------|---------------|--------------------------------|-------------|---------------------|
| EC ₅₀ | OECD 202 | >100 mg/l | 48 hours | Daphnia (Daphnia magna) | Fresh water | Static system |
| EC ₅₀ | OECD 201 | >100 mg/l | 72 hours | Algae and other aquatic plants | Fresh water | Static system |

sulphamic acid

| Parameter | Method | Value | Exposure time | Species | Environment | Value determination |
|------------------|--------|-----------|---------------|-----------------------------------|-------------|---------------------|
| LC ₅₀ | | 70.3 mg/l | 96 hours | Fish | | |
| NOEC | | 60 mg/l | 34 days | Fish | | |
| EC ₅₀ | | 71.6 mg/l | 48 hours | Daphnia | | |
| NOEC | | 19 mg/l | 21 days | Daphnia | | |
| EC ₅₀ | | 48 mg/l | 72 hours | Algae (Selenastrum capricornutum) | | |
| NOEC | | 18 mg/l | 72 hours | Algae (Selenastrum capricornutum) | | |

12.2. Persistence and degradability

not available

12.3. Bioaccumulative potential

Data not available.

12.4. Mobility in soil

Data not available.

12.5. Results of PBT and vPvB assessment

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

12.6. Endocrine disrupting properties

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

12.7. Other adverse effects

Data not available.

SECTION 13: Disposal considerations

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13.1. Waste treatment methods

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

Waste management legislation

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

Waste type code

16 03 03 inorganic wastes containing hazardous substances *

(*) - Hazardous waste according to Directive 2008/98/EC on hazardous waste

SECTION 14: Transport information

14.1. UN number or ID number

UN 3264

14.2. UN proper shipping name

CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (kwas fosforowy)

14.3. Transport hazard class(es)

8 Corrosive substances

14.4. Packing group

III - substances presenting low danger

14.5. Environmental hazards

not relevant

14.6. Special precautions for user

Reference in the Sections 4 to 8.

14.7. Maritime transport in bulk according to IMO instruments

not relevant

Additional information

Hazard identification No.

80

UN number

3264

Classification code

C1

Safety signs

8



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Road transport - ADR

| | |
|---------------------|-----|
| Special provisions | 274 |
| Limited quantities | 5 L |
| Excepted quantities | E1 |

Packaging

| | |
|--------------------------|-------------------------|
| Packing instructions | P001, IBC03, LP01, R001 |
| Mixed packing provisions | MP19 |

Portable tanks and bulk containers

| | |
|--------------------|-----------|
| Guidelines | T7 |
| Special provisions | TP1, TP28 |

ADR tank

| | |
|----------------------------|------|
| Tank code | L4BN |
| Vehicles for tank carriage | AT |
| Transport category | 3 |
| Tunnel restriction code | (E) |

Special provision for

| | |
|----------|-----|
| packages | V12 |
|----------|-----|

Railway transport - RID

| | |
|---------------------|-----|
| Special provisions | 274 |
| Excepted quantities | E1 |

Packaging

| | |
|--------------------------|-------------------------|
| Packing instructions | P001, IBC03, LP01, R001 |
| Mixed packing provisions | MP19 |

Portable tanks and bulk containers

| | |
|--------------------|-----------|
| Guidelines | T7 |
| Special provisions | TP1, TP28 |

RID Tanks

| | |
|--------------------|------|
| Tank code | L4BN |
| Transport category | 0 |

Special provision for

| | |
|----------|------|
| packages | W 12 |
|----------|------|

Air transport - ICAO/IATA

| | |
|---|-----------|
| Packaging instructions for limited amount | Forbidden |
| Packaging instructions passenger | 850 |
| Cargo packaging instructions | 854 |

Marine transport - IMDG

| | |
|----------------------|----------|
| EmS (emergency plan) | F-A, S-B |
|----------------------|----------|

SECTION 15: Regulatory information

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

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

15.2. Chemical safety assessment

A chemical safety assessment has not been carried out (mixture).

SECTION 16: Other information

A list of standard risk phrases used in the safety data sheet

| | |
|------|--|
| H290 | May be corrosive to metals. |
| H302 | Harmful if swallowed. |
| H314 | Causes severe skin burns and eye damage. |
| H315 | Causes skin irritation. |

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| | |
|-----------|--|
| H318 | Causes serious eye damage. |
| H319 | Causes serious eye irritation. |
| H412 | Harmful to aquatic life with long lasting effects. |
| H302+H312 | Harmful if swallowed or in contact with skin. |

Guidelines for safe handling used in the safety data sheet

| | |
|----------------|--|
| P260 | Do not breathe dust/fume/gas/mist/vapours/spray. |
| P280 | Wear protective gloves/protective clothing/eye protection/face protection. |
| P301+P330+P331 | IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. |
| P303+P361+P353 | IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. |
| P305+P351+P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| P310 | Immediately call a doctor. |
| P405 | Store locked up. |

Other important information about human health protection

The product must not be - unless specifically approved by the manufacturer/importer - used for purposes other than as per the Section 1. The user is responsible for adherence to all related health protection regulations.

Key to abbreviations and acronyms used in the safety data sheet

| | |
|------------------|---|
| ADR | European agreement concerning the international carriage of dangerous goods by road |
| BCF | Bioconcentration Factor |
| CAS | Chemical Abstracts Service |
| CLP | Regulation (EC) No 1272/2008 on classification, labelling and packaging of substance and mixtures |
| EC | Identification code for each substance listed in EINECS |
| EC ₅₀ | Concentration of a substance when it is affected 50% of the population |
| EINECS | European Inventory of Existing Commercial Chemical Substances |
| EmS | Emergency plan |
| EU | European Union |
| EuPCS | European Product Categorisation System |
| IATA | International Air Transport Association |
| IBC | International Code For The Construction And Equipment of Ships Carrying Dangerous Chemicals |
| ICAO | International Civil Aviation Organization |
| IMDG | International Maritime Dangerous Goods |
| IMO | International Maritime Organization |
| INCI | International Nomenclature of Cosmetic Ingredients |
| ISO | International Organization for Standardization |
| IUPAC | International Union of Pure and Applied Chemistry |
| LC ₅₀ | Lethal concentration of a substance in which it can be expected death of 50% of the population |
| LD ₅₀ | Lethal dose of a substance in which it can be expected death of 50% of the population |
| log Kow | Octanol-water partition coefficient |
| NOAEL | No observed adverse effect level |
| NOEC | No observed effect concentration |
| OEL | Occupational Exposure Limits |
| PBT | Persistent, Bioaccumulative and Toxic |
| ppm | Parts per million |
| REACH | Registration, Evaluation, Authorisation and Restriction of Chemicals |
| RID | Agreement on the transport of dangerous goods by rail |
| UN | Four-figure identification number of the substance or article taken from the UN Model Regulations |
| UVCB | Substances of unknown or variable composition, complex reaction products or biological materials |
| VOC | Volatile organic compounds |
| vPvB | Very Persistent and very Bioaccumulative |

SAFETY DATA SHEET



according to Commission Regulation (EU) 2020/878 as amended

Kwas lutowniczy

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|---------------|---------------------|---------|-----|
| Creation date | 12th September 2022 | Version | 6.0 |
| Revision date | 16th February 2023 | | |

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|-----------------|--|
| Acute Tox. | Acute toxicity |
| Aquatic Chronic | Hazardous to the aquatic environment (chronic) |
| Eye Dam. | Serious eye damage |
| Met. Corr. | Corrosive to metals |
| Skin Corr. | Skin corrosion |

Training guidelines

Inform the personnel about the recommended ways of use, mandatory protective equipment, first aid and prohibited ways of handling the product.

Recommended restrictions of use

not available

Information about data sources used to compile the Safety Data Sheet

REGULATION (EC) No. 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL (REACH) as amended. REGULATION (EC) No. 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL as amended. Data from the manufacturer of the substance / mixture, if available - information from registration dossiers.

The changes (which information has been added, deleted or modified)

The version 6.0 replaces the SDS version from 12 September 2022. Changes were made in sections 1, 2, 13, 15 and 16.

More information

Classification procedure - calculation method.

Statement

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