



ISOLLAT-04

Safety Data Sheet

Prepared in accordance with the regulation on safety data sheets on harmful substances and mixtures published in the Official Gazette No. 29204 dated 13 December 2014

Published 06/08/2025 version: 0.1.2

Valid until 05/08/2027

Section 1: Product name and manufacturer information

1.1. Product Identification

Chemical compound type: Blend
Trade name: Isollat-04

1.2. Product applications

Applications: insulation coating for industrial, boiler equipment, water heaters.

1.3. Details of the manufacturer in the MSDS

Spetstekh-LLC
Chapaeva-st., 39/35
Berezhovskiy, Sverdlovskaya region
Russian Federation, 623704
Phone: +7 (343) 345-27-26, +7 (343) 345-27-28, +7 (343) 385-87-87
info@specialtech.ru

1.4. Emergency phone number

Country	Advisory body, enterprise	Address	Emergency phone
Russian Federation	Spetstekh-LLC	Chapaeva-st., 39/35 Berezhovskiy, Sverdlovskaya region Russian Federation, 623704	+7 (343) 345-27-27

Section 2: Hazard Identification

2.1. Определение класса вещества или смеси

According to the Provision of the European Union (EU) No. 1272/2008

The product is not classified.

Adverse to human health and the environment, physical and chemical conditions

According to our information, this substance does not pose a particular risk, provided that the general rules of industrial hygiene are followed.

2.2. Marking items

According to the Provision of the European Union (EU) No. 1272/2008

The product is not subject to labeling

2.3. Other dangers

Other dangers that do not lead to classification

No further information

Section 3: Ingredients (component information)

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product Identification	%	Classification under Clause 1272/2008
Isolated solid particles	Not classified	30	Not classified
Water	CAS-No: 7732-18-5	20	Not classified
Titanium dioxide	CAS-No: 13463-67-7	1,0	Not classified
Supplements	Not classified	0,5	Not classified
Dipotassium oxide	CAS-No: 12136-45-7	28,5	235-227-6
Silicium dioxide amorphous	CAS-No: 112945-52-5	20	Not classified



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Section 4. First aid interventions

4.1. Description of first aid activities

First aid after inhalation:	Take the victim out of the contaminated area into the fresh air.
First aid after skin contact:	Rinse with soapy water
First aid after eye contact:	Immediate and careful washing with water, keeping your eyes wide open If irritation does not go away, consult an ophthalmologist.
First aid after ingestion:	Rinse your mouth with water Give a drink of a large amount of water If necessary, consult a doctor.

4.2. Most important acute or delayed symptoms and exposures

No further information

4.3. Indications for immediate medical care or specialized treatment

Symptomatic treatment.

Section 5: Necessary firefighting measures

5.1. Firefighting equipment

Suitable firefighting equipment	: Spraying, foam, fire-extinguishing powder, carbon dioxide.
Inappropriate firefighting equipment	: A water cannon

5.2. Special dangers emanating from the product

Fire danger	: Toxic gases are released as a result of combustion or thermal decomposition.
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5.3. Firefighting instructions

Fire defence	: Do not take any action without appropriate protective equipment. Full body protection Use an insulating respirator.
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Section 6: Measures to prevent and eliminate emergencies and emergencies and their consequences

6.1. Individual precautions

6.1.1. Unprepared staff

Emergency measures	: Unqualified personnel are not allowed access to the source of the fire. Use protective clothing. Avoid contact with the skin and eyes.
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6.1.2 Rescue services

Protective equipment	: Recommended personal protective equipment. Wear appropriate protective clothing, gloves and glasses or a face mask. : To ventilate the spill zone. Evacuate people. Identify the boundaries of the infected area with signs and prevent unauthorized access to all staff. : In the case of powder: Protective glasses. Respirator. Use a respirator.
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6.2. Environmental protection measures

Prevent the spread of the substance in the environment.

6.3. Methods and material for detention and cleaning

To limit the spread	: Collect spilled material in the sand, earth, vermiculite. Place in a labeled container and proceed with elimination in a safe environment.
Cleaning methods	: Destroy contaminated material in accordance with regulations. Rinse the inesspass with plenty of water.

6.4. Link to other sections

For more information, see section 13.



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Section 7: Conversion and storage

7.1. Safe precautions

- Precautions for safe handling : Provide good ventilation in the workplace. Use personal protective equipment. Avoid dust formation. Avoid getting to the skin from prolonged and repeated contact. Do not spray in the direction of flames or other sources of ignition. Avoid the accumulation of electrostatic charges
- Hygiene measures : Do not eat, drink or smoke in the workplace. Always wash your hands after handling the material.

7.2. Conditions for safe storage with incompatibility

- Technical activities : Comply with the current legislation. Open containers to prevent leakage must be properly sealed and upright. Provide sufficient ventilation, especially indoors.
- Storage conditions : Store in well-ventilated rooms.
- Incompatible products : Strong acids. Strong bases. Strong oxidizing agents. Peroxides. Explosives.
- Incompatible conditions : Extremely high or low temperatures.
- Heat and ignition sources : No smoking. Keep them away from the substance: sources of ignition.
- Mixed storage information : Keep away from food, drinks and animal feed.

7.3. Specific end-use

Lack of detailed information.

Section 8: Dangerous Impact Control / Personal Protective Devices

8.1. Control options

No further information

8.2. Limiting and controlling impact

- Appropriate technical controls : Does not require special or specific measures, subject to compliance with general safety and industrial hygiene regulations.
- Hand protection : Protective gloves EN 374
- Eye protection : Protective goggles. Put on protective goggles in place if there is excessive dust EN 166
- Protecting the skin and body : Wear appropriate protective clothing.
- Respiratory protection : Use appropriate respiratory protection in case of insufficient ventilation.
- Environmental impact control : Avoid getting into the environment.

Section 9: Physical and chemical properties

9.1. Information about the basic physical and chemical properties

- Aggregate state : Liquid
- Color : Light grey
- Smell : Weak smell
- Smell threshold : No data
- pH : No data
- Relative evaporation rate (butylacetate = 1) : No data
- T.melting. : Doesn't apply
- Freezing point : 0 ° C
- Boiling point : 100 ° C
- Flash point : >400°C
- Self-ignition temperature : No data
- Decomposition temperature : No data
- Combustibility (solid, gas) : Doesn't apply
- Relative vapor density at 20C : No data



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Relative density	0,85-0,95 g / cm ³
Solubility	partially soluble.
Seeming viscosity on Brookfield	3000-10000 cП (Rotor R4, Speed of rotation 10 min ⁻¹ , at 23°C)
Explosive properties	The product is not explosive
Oxidative properties	: The product does not pose a risk of oxidation.

9.2. Other information

No further information

Section 10: Stability and reactionary ability

10.1. Reactivity

The product is of normal use and does not react when storing and transporting conditions.

10.2. Chemical stability

It is stable under normal conditions.

10.3. The possibility of dangerous reactions

No dangerous reactions are unknown under normal operating conditions.

10.4. Unacceptable conditions

Lack of detailed information.

10.5. Incompatible materials

Strong acids. Strong bases. Strong oxidizing agents. Peroxides. Explosives.

10.6. Dangerous decomposition products

Dangerous decomposition products do not form under normal storage and circulation conditions.

Section 11: Toxicity information

11.1. Toxic effects information

Acute toxicity Not classified.

Isollat-04	
LD50 orally rats	> 2000 до 10000 mg / kg
Eye irritation	Not classified
Sensitization	Not classified
Mutagenicity	Not classified
Carcinogenicity	Not classified
Toxicity for reproductive ability	Not classified

Section 12: Environmental impact

12.1. Toxicity

Ecology	Foods that are harmful to aquatic organisms and the environment that cause long-term side effects do not apply.
Acute toxicity in the aquatic environment	Not classified
Chronic toxicity in aquatic environments	Not classified

12.2. Decomposability

No further information

12.3. Bioaccumulated potential

Isollat-04	
Potential for bioaccumulation	No further information

12.4. Mobility in the soil

Isollat-04	
Mobility in the soil	No further information



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12.5. Results for assessing the characteristics of resistance, biological accumulation and toxicity

No further information

12.6. Other negative effects

Other side effects : No further information

Section 13: Recycling instructions

13.1. Waste management methods

Waste management technology : Destroy in accordance with local regulations.

Section 14: Transportation information

Transport information Land transport (ADR/RID) : Sea transport (IMDG) : Air transport (ICAO-TI / IATA-DGR) :

14.1 UN number

No dangerous good in sense of these transport regulations.

14.2 UN proper shipping name

No dangerous good in sense of these transport regulations.

14.3 Transport hazard class(es)

No dangerous good in sense of these transport regulations.

14.4 Packing group

No dangerous good in sense of these transport regulations.

14.5 Environmental hazards

No dangerous good in sense of these transport regulations.

14.6 Special precautions for user

None

Not classified as a dangerous product in the sense of transport regulations.

Section 15: Regulatory information

15.1. Safety, health and environmental regulations/specific legal prescriptions for a substance or mixture

15.1.1. EC Prescriptions

Lack of detailed information

15.1.2. National regulations

Lack of detailed information

15.1.3. Substance safety assessment

Lack of detailed information

Section 16 Find out more

Other information : **DISCLAIMER.** Information in this form of security information has been obtained from sources that we believe are reliable. However, they are offered without a clear or closed guarantee of their accuracy. The conditions or methods of processing, storing, using or disposing of the product are out of our control and may not be within our knowledge. For these and similar reasons, we waive liability for any loss or damage that may result from the processing, storage, use or disposal of the product. This safety newsletter is only for the use of this product. If a product is used as a component in another product, information in this form of security information may be invalid.

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