



SAFETY DATA SHEET

Compliant with Regulation (EC) No.1907/2006 and Regulation (EC) No. 453/2010

Universal medium-grained construction filler

Version 2

Revised on: 04-MAY-2015

Completed on: 26-MAR-2009

SECTION 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Name of the substance/ mixture: IGIS KR
Other (synonymous) names: Universal medium-grained viscous building filler for interior use latex filler.
Field of application: IGIS.KR Universal medium-grained latex-type construction filler on a water basis for interior as a base layer of the buildings, intended for smoothing concrete, plasterboard, rendered and other mineral surfaces before painting and wallpapering. It is applied to internal works.
Manufacturer: **IGIS, I. Kriščiūnas Company**
Address: Tinklų 33-1, LT 35115 Panevėžys, Lithuania
Phone: +370 45 58 45 80
Fax: +370 45 58 45 81
E-mail: info@igis.lt
Website: <http://www.igis.lt>
E-mail of the duly authorized representative responsible for the safety data sheet: laboratorija@igis.lt
Emergency telephone number: Lithuanian Poisons Information and Emergency Aid Center, 24/7:
Phone +370 5 236 20 52, Fax +370 5 236 21 42, E-mail: info@tox.lt

SECTION 2. HAZARDS IDENTIFICATION

Classification according to Regulation (EC) No. 1272/2008: Not classified.

Hazards due to physical or chemical properties: the product is not flammable or combustible.

Hazards to human health and possible consequences: based on its effects on human health, the mixture is not classified as hazardous. The product is not hazardous for human health under regular use conditions. For more detailed information about effects on health and related symptoms, please refer to Sections 8 and 11. The mixture was assessed and classified as non-hazardous based on calculation method.

Hazards to environment and possible consequences: based on its composition, the mixture is classified as non-hazardous for the environment. See Section 12.

Hazard pictograms: none

Hazard statements: none

Additional information on hazards: EUH 208 – contains 1,2-Benzisothiazol-3(2H)-one which may cause allergic reaction in people.

Precautionary statements: P102 – Keep out of reach of children.

P273 – Avoid release to the environment.

P280 – Wear protective gloves/protective clothing/eye protection/face protection.

P302+ P352 – IF ON SKIN: Wash with plenty of soap and water.

P305+P351+P338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P333+ P313 – If skin irritation or rash occurs: Get medical advice/attention.

P337+ P313 – If eye irritation persists: Get medical advice/attention.

Supplementary phrases: Keep away from cold.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Empirical (molecular) formula, molecular mass: none. The product is a mixture.

Chemical properties: Universal medium-grained construction filler is the viscous homogeneous mass of white colour without mechanical impurity, consisting from water acrylic copolymer dispersion, mineral extenders and others, improving properties of filler, objective additives and water. The product is intended for use in the process of repairing, preparing or decorating building surfaces.

Chemical name	CAS Nr.	EINECS/ ELINCS No.	Concentration (mass %)	Classification ¹⁾
Bronopol	52-51-7	200-143-0	0,0050-0,0075	Eye Dam.1,H318;Aquatic Acute 1, H400; Acute Tox.4, H302; Acute Tox.4, H312; Skin Irrit.2, H315; STOT SE 3,H335
1,2-benzisothiazol-3(2H)-one	2634-33-5	220-120-9	≥0,005	Eye Dam.1,H318; Aquatic Acute 1,H400; Acute Tox.4, H302; Skin Irrit.2, H315; Skin Sens.1,H317



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2-methylisothiazol-3(2H)-one	2682-20-4	220-239-6	<0,01	Acute Tox.3, H301; Acute Tox.3, H311; Acute Tox.2, H330; Skin Corr.1B, H314; Aquatic Acute 1, H400; Skin Sens.1,H317; STOT SE 3,H335
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¹⁾ For hazard statements please refer to Section 16.

The components with occupational exposure limit values (Workplace Exposure Limits) are listed in Section 8.

SECTION 4. FIRST AID MEASURES

General information: In all cases of doubt, or when symptoms occur, seek medical attention. Never give anything by mouth (either food or drink) to an unconscious person. Lay the unconscious person on his/her side and ensure that the person can breathe freely. Loose any tight clothing, e.g., collars, ties, belts and any clothing around the waist area. Seek medical attention immediately.

Inhalation: In the event of inhalation, remove the person exposed to fresh air and let him/her rest. Keep the exposed person warm and at rest. If the weather is cool, cover the exposed person to keep him/ her warm. If the symptoms persist, seek medical attention.

Eye contact: Immediately and carefully flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Flush eyes with clean running water for at least 15 minutes. In case of eye irritation, seek medical attention.

Skin contact: Wash the contaminated skin exposed to the mixture thoroughly plenty of water and soap or use special skin cleanser. Remove contaminated clothing and shoes. If symptoms occur, seek medical attention. Wash the contaminated clothing before use. Carefully clean the contaminated shoes before use. Do not use any solvents or thinners on skin. If the skin becomes dry, use recognized skin moisturizers.

Ingestion: Rinse the mouth with water. Remove the person exposed to fresh air. Keep the exposed person warm and at rest. Seek medical attention. Show the product's container or label. Do not induce vomiting under any circumstances.

If suspecting or determining poisoning by this mixture, please contact the poisons information and emergency aid center immediately at +370 5 236 20 52.

SECTION 5. FIREFIGHTING MEASURES

General information: the product is non-flammable and non-combustible. A combustible polymer film forms in case of water evaporation.

Suitable extinguishing media: in case of fire, use water mist systems, alcohol-resistant foam, dry powder extinguishers and carbon dioxide (CO₂).

Unsuitable extinguishing media: direct water jet which may result in the fire spreading.

Special hazards arising from the substance or mixture: sealed containers may combust in higher temperature as a result of high pressure due to high heat during fire.

Hazardous combustion products: if burning, the product may produce black thick smoke that contains hazardous gas and other decomposition/combustion products, e.g. carbon oxides and traces of incompletely burned carbon compounds. For more information on decomposition/combustion products, please refer to Section 10.

Advice for firefighters: personal protective equipment should be selected in respect to the properties of the burning substances in the location of fire, e.g. fire-resistant protective clothing from impregnated materials and self-contained breathing apparatus with full face mask ensuring adequate pressure.

Other instructions: Cool down the undamaged containers located near the fire by sprinkling water and try to remove them from the dangerous area. Prevent liquids from the fire zone from entry to drains or water bodies.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions and protective equipment: in case of spill or leak, avoid any contact with skin and eyes. Ensure proper ventilation. Use personal protective measures. Refer to protective measures listed in Sections 7 and 8. If possible, plug or close the damage container or containers and put them into sealed containers. Floors may become slippery and there is danger of slipping on a spill.

Environmental precautions: Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the regional fire safety department if the product has caused environmental pollution (sewers, waterways, soil or air).

Methods and material for containment and cleaning up:

Large spills: Stop leak if without risk. Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Contain and collect spillage with non-combustible, absorbent material e.g., sand, earth,



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vermiculite, diatomaceous earth or sawdust and place in suitably marked sealed containers for disposal. Dispose of the containers according to local waste disposal regulations (see Section 13). Carefully wash the areas of spill and clean them with cleaning solution. Do not use solvents.

Small spills: Stop leak if without risk. Move containers from spill area. Clean or and collect spillage with inert dry material and place in container for disposal.

Please refer to Section 8 for more information on personal protective equipment or Section 13 for information on waste disposal.

SECTION 7. HANDLING AND STORAGE

Handling: use the product according to its purpose as indicated in technical specifications. Warning labels on the container should be considered when working with the paint. Use personal protective equipment as indicated in Section 8. Avoid contact with eyes, skin, clothing or exposure by inhalation. Eating, drinking and smoking is prohibited in areas where this material is handled, stored and processed. Mix well before use. When works are completed, keep the containers tightly sealed.

Storage: follow the instructions on the label. Store in temperature higher than +5 °C. Keep in the original container away from direct sunlight. Store in a dry, cool and well aired location away from heat, sources of combustion, incompatible substances (see Section 10) and food or drinks. Make sure the product does not freeze as its stability may be compromised. Keep the containers tightly sealed until use. Once opened, reseal the containers and store them vertically to prevent spillage. Do not keep the product in containers with no labels. Use appropriate containers to prevent pollution.

Incompatible chemical substances: easily combustible substances, oxidizing agents, strong acids or alkalis.

Instruction on restricted quantities of chemical substance/ mixture that can be stored under the indicated conditions: not applicable.

Packing materials: original suitably labeled plastic container that can be tightly closed.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure limit values

Components of substance/mixture with occupational exposure limit values (LV). - None.

Exposure control in workplace

Technical measures: If product use produces smoke, steam, gas or mist, use measures to restrict entry into the location. Ensure that the premises are well ventilated and that employee exposure does not exceed the recommended or determined limits.

Personal protective equipment:

Respiratory protection: Be sure to use suitable respiratory protection means, if the product is used in large quantities or under other conditions when it is probable to reach or exceed the occupational exposure limit values. In case of accident or insufficient ventilation, it is recommended to use respiratory protection means in compliance with Directives 89/656/EEC and 89/686/EEC: masks or half masks with filter protecting from organic steam or gas (protection level: A1 or A2 according to LST EN 14387) or FFA1 or FFA2 filtering half masks/ respirators with valves for protection against gas according to LST EN 405. Contact the supplier of respiratory protection means for more information on filter specification.

Hand protection: Wear chemical-resistant and impermeable gloves when working with chemical substances. The gloves should comply with the approved standards. Immediately change the gloves, if contaminated.

Wear gloves of nitrile rubber (NBR) or other organic chemical substance-resistant material in compliance with LST EN 374-1. When choosing specific gloves for specific use or duration in workplace, make sure to consider all the relevant workplace factors and the instructions/specifications of the supplier of the gloves.

Eye protection: Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists or gases.

If eye contact is possible, safety glasses or face shields resistant to chemical substances as established in EN 166 are recommended.

Skin protection: Personal protective equipment for the body should be selected based on the task being performed and the risks involved handling this product. Recommendations: workwear from natural fabrics and non-slippery shoes. Wear warm clothing in winter.

Hygiene measures: please follow good industrial hygiene practice rules. Wash hands, forearms, and face thoroughly after handling compounds and before eating, smoking, lunch breaks and at the end of day. Do not wear contaminated clothing. Wash contaminated clothing before use. Shower after work.

Environmental exposure control: see Sections 6 and 12.



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SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

General information

Appearance

Physical state – paste like viscous mass

Color – white

Odor - specific odour

Important health care, safety and environmental information

Concentration of hydrogen ions, pH – 8.0-9,0 (20°C)

Boiling point/boiling range, °C – N/A

Flammability:

Auto-ignition temperature, °C: N/A

Flash point, °C: N/A

Oxidizing properties – N/A

Freezing point/melting point, °C – the product freezes in subzero temperature

Vapor pressure, kPa – N/A

Relative mass, density, g/cm³: - about 1,7 (20 °C)

Solubility – micible

Partition coefficient (n-octanol/water) – N/A

Dynamic viscosity, mPas – N/A

Viscosity (according to EN 1015-4), mm: 20-30

Vapor density – N/A

Evaporation rate – N/A

SECTION 10. STABILITY AND REACTIVITY

Stability: the product is stable under recommended storage and use conditions. See Section 7.

Conditions to avoid: direct sunlight and contact with sources of heat. Avoid freezing or high temperatures.

Incompatible materials: avoid contact with oxidizing agents, strong alkalis or acids.

Hazardous decomposition products: no decomposition under regular storage or use conditions. When exposed to high temperatures, harmful products may be formed. In case of fire (during thermal destruction), carbon monoxide (CO), carbon dioxide (CO₂) and nitrogen oxides (NO)_x may form.

SECTION 11. TOXICOLOGICAL INFORMATION

Acute toxicity in animals: NPD. No toxicological tests were carried out. The mixture was classified based on calculation method.

Irritation: NPD.

Chronic effect on animals: NPD.

Effects on humans:

Sensitisation: contains 1,2-Benzisothiazol-3(2H)-one which may cause allergic reaction in sensitive people.

Carcinogenicity: not classified as carcinogenic mixture.

Mutagenicity: not classified as mutagenic mixture.

Toxicity for reproduction: not classified as a mixture toxic for reproduction.

Narcotic effect: none

Upon inhalation: based on the product properties and in respect to the toxicology data of water-based products, the mixture cannot cause any health disorders if used with appropriate equipment and under recommended conditions. Prolonged exposure to paint aerosols may cause eye and respiratory tract irritation in sensitive people.

Upon ingestion: when ingested, the mucous membranes of the gastrointestinal tract may become irritated depending upon the ingested quantity. If large quantities of the product are ingested, the person may feel unwell and experience gastroenterological disorders with such symptoms as vomiting and stomach ache.

Eye contact: splashes of the liquid may cause irritation and inflammatory response upon contact with eyes.

Skin contact: repeated or prolonged contact with skin may cause irritation. The skin may lose its natural oily layer resulting in contact dermatitis. Even though the product contains only a small quantity of allergens, sensitive people may experience allergic reactions after direct skin contact.

The information supplied herein is based on the toxicity data of mixture components and similar products.



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SECTION 12. ECOLOGICAL INFORMATION

Environmental effects: no mixture-related environmental data. The product was assessed according to the standard method established in the Dangerous Preparations Directive and was classified as non-hazardous for the environment. The quantity of the hazardous substance contained in the mixture is sufficiently small for the product to pose no environmental hazard. For more information, please refer to Section 2.

Ecotoxicity:

Mixture components:

Acute toxicity to fish:

1,2-benzisothiazol-3(2H)-one: LC₅₀, 96 h = 1,6 mg/l (Rainbow trout)

2-methylisothiazol-3(2H)-one: LC₅₀, 96 h = 6,0 mg/l (Rainbow trout)

Bronopol(INN): LC₅₀, 96 h = 35,7 mg/l (Bluegill sunfish)

Toxicity to aquatic animals:

Bronopol(INN): IC₅₀ 48 h = 1,4 mg/l (Daphnia magna)

2-methylisothiazol-3(2H)-one: EC₅₀, 48 h = 1,68 mg/l (Daphnia magna)

1,2-benzisothiazol-3(2H)-one: IC₅₀ 48 h = 4,8 mg/l (Daphnia magna)

Toxicity to aquatic plants:

1,2-benzisothiazol-3(2H)-one: IC₅₀, 72 h = 0,11 mg/l (Pseudokirchneriella subcapitata)

2-methylisothiazol-3(2H)-one: IC₅₀, 72 h = 0,157 mg/l (Pseudokirchneriella subcapitata)

Bronopol(INN): IC₅₀, 72 h = 0,37 mg/ (Pseudokirchneriella subcapitata)

Persistence and degradability (biodegradation) in environment, bioaccumulation: the product does not biodegrade when properly stored and used.

Mobility in soil, bioaccumulation: no data available.

Other adverse effects: No known significant effects or critical hazards.

Additional information: Do not allow to enter drains, watercourses or soil.

SECTION 13. DISPOSAL CONSIDERATIONS

Waste treatment methods: most often, waste should be disposed of according to local applicable regulations. Liquid waste code according to the European Waste Catalogue (EWC): 8 01 12 "waste paint and varnish other than those mentioned in *8 01 11" (2000/532/EC, 2001/118/EC, 2001/119/EC, 2001/573/EC). The product waste may be incinerated in special plants. The above indicated waste code is only a recommendation based on the use of the product. Other waste code may apply in certain circumstances depending on the specific use or factual waste treatment conditions. Waste codes must be assigned by the user.

Disposal of contaminated containers: remove the entire product from the container and thoroughly wash the container prior to disposal. Container waste should be handled according to the Law on Packaging and Packaging Waste and the Rules on Packaging and Packaging Waste. Packaging code: 15 01 02 "plastic packaging". Dry empty containers should be disposed of in landfills or reused.

SECTION 14. TRANSPORT INFORMATION

Based on national and international shipping rules, the cargo is classified as non-hazardous. Transport may take place according to ADR for transport by road, RID for transport by train, IMDG for transport by sea or IATA for transport by air.

Regulation title	Chemical substance/ mixture	Code of hazardous cargo	Hazard class, label	UN No.	Packaging group
ADR (by road) ¹ RID (by train) ² ICAO/IATA (by air) ³ IMO-IMDG (by sea) ⁴	-	-	-	-	-

¹ European Agreement concerning the International Carriage of Dangerous Goods by Road (ADR)

² Regulations concerning the International Carriage of Dangerous Goods by Rail (RID).

³ International Civil Aviation Organization (ICAO) International Air Transport Association (IATA)

⁴ International Maritime Organization (IMO) International Maritime Dangerous Goods Code (IMDG).

Avoid temperatures below +5 °C. Keep separately from food products.

SECTION 15. REGULATORY INFORMATION



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Universal medium-grained construction filler

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Legislative acts regulating the classification, labeling, restriction on use, occupational safety and health requirements, occupational exposure limit values, waste treatment, etc. for the substance/mixture

- Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labeling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006;
- Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH);
- Commission Regulation (EU) No 453/2010 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH);
- Pursuant to the valid Procedure for Safety Data Sheet Requirements and Presentation to Professional Users;
- Pursuant to HN 23 Occupational Exposure Limit Values of Chemical Substances. General Requirements for Measuring and Exposure Assessment;
- Pursuant to HN 36 Prohibited and Restricted Substances;
- Pursuant to the valid Regulations on Employee Protection from Chemical Factors at Work and Regulations on Employee Protection from Cancerogenic and Mutagenic Effects at Work;
- Pursuant to the valid General Rules on Storing Chemical Substances and Preparations;
- Pursuant to the valid Law on Waste Management of the Republic of Lithuania;
- Pursuant to the valid Law on Packaging and Packaging Waste Management of the Republic of Lithuania;
- Pursuant to the valid Waste Management Rules;
- Pursuant to the valid Rules on Labeling and Price Indication of Products (Goods) to be Sold of the Republic of Lithuania;
- Pursuant to the obligation to provide information on dangerous chemical substances in the form of safety data sheets as established in Directive 67/548/EEC (amended by Directive 92/32/EEC for the seventh time);
- Pursuant to the European Agreement concerning the International Carriage of Dangerous Goods by Road (ADR); (Official Gazette, 2003, No. 46-1);
- Pursuant to the Regulations concerning the International Carriage of Dangerous Goods by Rail (RID);
- Pursuant to the International Maritime Dangerous Goods Code (IMDG)

SECTION 16. OTHER INFORMATION

Full text of classification stipulated in Sections 2 and 3 (EU)

- H301 Toxic if swallowed.
- H302 Harmful if swallowed.
- H311 Toxic in contact with skin.
- H312 Harmful in contact with skin.
- H314 Causes severe skin burns and eye damage.
- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H318 Causes serious eye damage.
- H319 Causes serious eye irritation.
- H330 Fatal if inhaled.
- H335 May cause respiratory irritation.
- H400 Very toxic to aquatic life.

The Safety Data Sheet (SDS) was prepared in accordance with the Regulation (EC) No 1907/2006 of the European Parliament and of the Council (REACH), Commission Regulation (EU) No 453/2010 and related amendments, harmonized requirements set forth in the laws, regulations and administrative legal acts on the classification, packaging and labeling of dangerous chemical substances and mixtures.

The Safety Data Sheet was prepared based on the safety data sheets of its components supplied by the manufacturers and in consideration of the Lithuanian laws, applicable rules on component safety and information available on the Internet.

Disclaimer

The information contained in this safety data sheet is based on the present state of scientific and technical knowledge and is related to the product state that it is used in. The purpose of the data describing the product is to provide information on the chemical product in terms of occupational safety and health and environmental protection. The information contained in the safety data sheet provides no knowledge on other specific properties of the product. The technical specifications supplied herein comprise no requirements for the product quality and cannot be used as a basis for any legal claims.



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Universal medium-grained construction filler

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The information contained in this safety data sheet is related only to the shipped product. The manufacturer is unable to control the conditions of product use; hence, the buyer/ user of the product shall be obligated to determine the appropriate conditions for safe use of the product.

The employer shall inform all employees who might be using or handling the product, disposing of the product's waste or otherwise be in contact with the product about the required safety protective equipment and any dangers defined in this safety data sheet.