MATERIAL SAFETY DATA SHEET

SUPER DEEP PENETRING GROUND

Update date: 10/01/2023

[Prepared in accordance with Commission Regulation (EU) 2020/878 of 18 June 2020 amending Regulation (EC) No 1907/2006 on REACH]

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

1.1. Product ID.

SUPER DEEP PENETRING GROUND.

UFI: CN40-9001-2000-JMKH

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

Identified use: A primer used in construction for professional use.

Uses advised against: Do not combine with other products. Anything other than those recommended.

1.3. Details of the supplier of the safety data sheet.

Manufactured at the request of the owner of the IGOCHEM™ trademark IGOSA Sp. z o. o.

Address: Gliwicka 3, 40-079 Katowice, Poland

Tel: +48 (32) 131 48 93

Email:info@igochem.com

1.4. Emergency telephone number.

112 (general emergency number), 998 (fire brigade), 999 (medical emergency)

SECTION 2: HAZARD IDENTIFICATION.

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

The product is classified as a hazardous mixture.

Adverse effects on human health: Skin sensitisation category 1 (Skin Sens. 1). H317 May cause an allergic skin reaction.

Harmful effects on the environment:not applicable.

2.2. Labeling elements.

Hazard pictograms:

Signal word:

ATTENTION

Hazard statements:

H317 May cause an allergic skin reaction.

EUH208 Contains: 1,2-benzisothiazol-3(2H)-one. May produce an allergic reaction.
Contains: reaction mixture of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) (CAS: 55965-84-9).

Precautionary statements:

P102 Keep out of reach of children.

Prevention:

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

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

Response:

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

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

2.3. Other threats.

Based on the available data, it is concluded that the product does not meet the PBT or vPvB criteria and does not contain any substances with endocrine disrupting properties.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS.

3.1. Substances.

The product is a mixture of the substances listed below and others which, in accordance with European Union law and national requirements, do not require listing in this section of the safety data sheet.

3.2. Mixtures.

	1,2-benzisothiazol-3(2H)-one*	Reaction mixture of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)*
Content %(m/m)	< 0.01	0.002
Classification (Regulation No. 1272/2008)	Acute Tox. 4, H302; Acute Tox. 2, H330; Skin Irrit. 2, H315; Eye Dam. 1, H318; Skin Sens. 1, H317; Aquatic Acute 1, H400; Aquatic Chronic 2, H411;	Acute Tox. 3, H301; Acute Tox. 2, H330; Acute Tox. 2, H310; Skin Corr. 1C, H314; Eye Dam. 1, H318; Skin Sens. 1A, H317; Aquatic Acute 1, H400(M = 100); Aquatic Chronic 1, H410(M = 100); EUH071

Name and registration number	No data available	Exempt from REACH regulation
EC No.	220-120-9	No data available
CAS No.	2634-33-5	55965-84-9
Index number	613-088-00-6	613-167-00-5
INCI name	No data available	No data available
Other ways of identification:	No data available	No data available
Product definition:	No data available	No data available
Comments	No data available	No data available

*Critical concentration limits and estimated acute toxicity were determined:
- 1,2-benzisothiazol-3(2H)-one
Skin Sens. 1; H317: C ≥ 0.05%
-Reaction mixture of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)
Skin Sens. 1A; H317 C ≥ 0.0015%
Eye Irrit. 2; H319: 0.06% ≤ C < 0.6%
Skin Irrit. 2; H315: 0.06% ≤ C < 0.6%
Skin Corr. 1C; H314: C ≥ 0.6%
Eye Dam. 1, H318 C ≥ 0.6%
Acute toxicity estimate: Acute inhalation toxicity (dust/mist): 0.31 mg/l
The meaning of H phrases is given in section 16 of the safety data sheet.

SECTION 4: FIRST AID MEASURES.

4.1. Description of first aid measures.

Inhalation: Under normal conditions of storage and use, the product does not pose a hazard. If the person feels unwell, remove them to fresh air and ensure they rest in a comfortable position breathing. If symptoms persist, consult a doctor.

Skin contact : Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. If symptoms occur, seek medical advice. Wash clothing before reuse.

Eye contact: Rinse immediately with plenty of water, occasionally lifting the upper or lower eyelid. Remove contact lenses, if present. Continue rinsing for at least 15 minutes. Seek medical attention immediately.

Consumption: Seek medical attention. Rinse mouth with water. Do not give anything by mouth. Remove the victim to fresh air and keep them at rest in a position comfortable for breathing. Do not induce vomiting unless directed to do so by medical personnel.

Protection of first aid providers: You should not take any action that would pose any risk to anyone unless you are appropriately trained.

Protection of first aid providers: You should not take any action that would pose any risk to anyone unless you are appropriately trained.

4.2. Most important acute and delayed symptoms and effects of exposure.

Inhalation: No data available.

Skin contact: Causes severe skin burns.

Eye contact: Causes serious eye damage.

Consumption: No data available.

4.3. Indications regarding any immediate medical attention and special treatment of the injured person.

Treat symptomatically. If large quantities have been swallowed or inhaled, immediately contact a poison treatment specialist.

SECTION 5: FIREFIGHTING MEASURES.

5.1. Extinguishing media.

Extinguish fires with extinguishing media appropriate for the substances burning. Unsuitable extinguishing media: none known.

5.2. Special hazards arising from the substance or mixture.

In a fire or if heated, a pressure increase will occur and the container may burst.

Hazardous thermal decomposition products: carbon dioxide, carbon monoxide, nitrogen oxides (NOx), halogenated compounds, metal oxides,sulfur oxides.

5.3. Information for the fire brigade.

Promptly isolate the area by removing all persons from the immediate vicinity of the incident if a fire has broken out. Isolate the affected area and keep bystanders and unauthorized persons away. Firefighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full-facepiece, positive-pressure mask. Basic protection during chemical incidents is provided by firefighter clothing (including helmets, safety boots, and gloves) that complies with European standard EN 469.

SECTION 6: ACCIDENTAL RELEASE MEASURES.

6.1 Personal precautions, protective equipment and emergency procedures.

For non-emergency personnel: Do not take any action that will put anyone at risk unless appropriately trained. Evacuate surrounding areas. Do not allow entry to unnecessary or

unprotected personnel. Do not touch or walk through spilled material. Put on appropriate personal protective equipment.

For those providing assistance: If special clothing is required to clean up a spill, refer to the information in Section 8 regarding inappropriate and unsuitable materials. See also the information in the section "For non-emergency personnel."

6.2. Environmental precautions.

Secure drains. Prevent discharge into soil, ditches, sewers, navigable channels, and/or groundwater. Notify the appropriate authorities in the event of water, soil, or air contamination.

6.3. Methods and materials to prevent the spread of contamination and to remove contamination.

Ways to prevent the spread of contamination: Stop the leak if you can do so without risk. Move containers from the spill area. Approach the release downwind. Secure sewer outlets, water lines, and entrances to basements and confined spaces.

Recommendations for eliminating contamination: Wash spilled material into a sewage treatment plant or proceed as directed. Contain spilled material using non-combustible materials such as sand, earth, vermiculite, or diatomaceous earth. Place in containers and dispose of according to local regulations. Dispose of at a licensed waste disposal facility.

Other information related to the spill/release: Not applicable.

6.4. References to other sections.

Emergency contact information – Section 1.
Information on appropriate personal protective equipment – Section 8.
Information on additional waste treatment – section 13.

SECTION 7: HANDLING AND STORAGE OF SUBSTANCES AND MIXTURES.

7.1. Precautions for safe handling.

Recommendations for safe handling of the mixture: Wear appropriate personal protective equipment (see Section 8). Do not breathe vapors or mists. Do not ingest. Keep out of reach of unauthorized persons. Do not allow contamination of soil or sewage system.

Avoid conditions and materials listed in section 10. Store in accordance with the recommendations given in section 7.2. Prevent the formation of static electricity. Do not use near sources of ignition, open flames, or smoking.

Recommendations for general occupational hygiene: Eating, drinking, and smoking should be prohibited in areas where this material is stored, handled, and processed. Wash hands and face before eating, drinking, or smoking.

Remove contaminated clothing and protective equipment before entering dining areas. See Section 8 for additional protective equipment information.

7.2. Conditions for safe storage, including information on any mutual inconvenience.

Store in accordance with local regulations at temperatures between 5 and 30°C. Store in the original container, away from sunlight; in a dry, cool and well-ventilated place; away from incompatible materials (see section 10), food and drink. Keep closed. Keep the container tightly closed and tightly sealed until ready for use. Containers that have been opened must be resealed and kept upright to prevent leakage of the mixture. Do not store in unlabelled containers. Use appropriate containers to prevent environmental contamination.

7.3. Specific end use(s).

Not applicable.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION.

8.1. Control parameters.

Maximum permissible concentrations:

Maximum permissible concentrations:

Maximum permissible concentrations:

NDS, NDSCh – no data available.

(according to the Regulation of the Minister of Family, Labour and Social Policy of 12 June 2018, Journal of Laws of 2018, item 1286, as amended)

Recommendations regarding the procedure for monitoring the content of hazardous components in the air:

Regulation of the Minister of Health of 2 February 2011 on tests and measurements of factors harmful to health in the work environment (Journal of Laws 2011, No. 33, item 166)

PN-89/Z-01001/06 Air purity protection. Names, terms, and units. Terminology for air quality testing at workplaces.

PN Z-04008-7:2002 Air purity protection. Sampling. Principles of air sampling in the workplace and interpretation of results.

PN-EN-689: 2002 Air at workplaces – guidelines for the assessment of inhalation exposure to chemical agents by comparison with limit values and measurement strategy.

Note: When the substance concentration is established and known, personal protective equipment should be selected taking into account the substance concentration present in a given workplace, the exposure time, and the activities performed by the employee. In an emergency, if the substance concentration in the workplace is unknown, use personal protective equipment with the highest recommended protection class.

The employer is obliged to ensure that appropriate personal protective equipment, work clothing and footwear have protective and functional properties and to ensure their appropriate washing, maintenance, repair and disinfection.

Recommended initial and periodic examinations of employees should be carried out in accordance with the Regulation of the Minister of Health and Social Welfare of 30 May 1996 on conducting medical examinations of employees and the scope of preventive health care

over employees and medical certificates issued for the purposes specified in the Labour Code (Journal of Laws No. 69/1996, item 332, as amended by Journal of Laws No. 37/2001, item 451)

8.2. Exposure controls.

Individual protective measures, such as personal protective equipment:

The personal protective equipment used should meet the requirements of the Regulation of the Minister of Economy of 21 December 2005 on the essential requirements for personal protective equipment (Journal of Laws No. 259, item 2173)

Appropriate technical protective measures: General room ventilation/exhaust ventilation. Provide eyewash stations in areas where the product is handled.

Individual protective measures, such as personal protective equipment:

Eye or face protection: In case of exposure to spray/splash particles of the product, wear tight-fitting safety glasses or goggles (according to EN 166)

Skin protection:

- **Hand protection:** Chemical-resistant gloves should be worn whenever working with chemical products when a risk assessment indicates this is necessary (according to EN 374).
- **Other protective equipment:** Body protection measures should be selected depending on the activities performed and the possible impact, e.g. apron, safety shoes, gas-tight and chemical-resistant protective clothing (in accordance with EN 14605 in the case of liquids or EN ISO 13982 in the case of dust)

Respiratory protection: Not required under normal conditions. In the event of insufficient ventilation, exceeding workplace limits, excessive odor, or the presence of aerosol, mist, or smoke, use respiratory protective equipment that is independent of circulating air or that complies with EN14387 standards, respiratory protective equipment with a type A filter or an appropriate folding filter (in the case of aerosol, mist, or smoke, e.g., A-P2 or ABEK-P2).

General recommendations: Avoid contact with eyes. Use in accordance with occupational health and safety regulations. Keep away from food, beverages, and animal feed.

Environmental exposure control:

Emissions from ventilation systems and process equipment should be monitored to ensure compliance with environmental regulations. In some cases, fume scrubbers, filters, or design modifications to process equipment may be necessary to reduce emissions to acceptable levels.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES.

9.1. Information on basic physical and chemical properties.

State of matter:	Liquid
Color:	White
Smell:	Characteristic
Melting/freezing point (°C):	No data available
Initial boiling point and boiling range (°C):	No data available
Flammability of materials:	No data available
Lower and upper explosive limits:	Not applicable
Flash point (°C):	No data available
Autoignition temperature (°C):	No data available
Decomposition temperature:	No data available
pH (23°C):	7.5-8.5
Kinematic viscosity:	No data available
Solubility in water:	Dilutable
Solubility in other solvents:	No data available
Partition coefficient – n-octanol / water:	No data available
Vapor pressure:	No data available
Relative density (g/cm3, 23°C):	approx. 1.00
Relative vapor density:	No data available
Particle characteristics	Not applicable

9.2. Other information.

Not applicable.

SECTION 10: STABILITY AND REACTIVITY.

10.1. Reactivity.

The components of the mixture are stable under normal conditions.

10.2. Chemical stability.

The mixture is stable under normal conditions.

10.3. Possibility of hazardous reactions.

Under recommended storage and use conditions, no hazardous reactions will occur.

10.4. Conditions to avoid.

At low temperatures (below 5°C) irreversible coagulation of the polymer occurs.

10.5. Incompatible materials.

Strong/strong acids, oxidizers, peroxides.

10.6. Hazardous decomposition products.

Gases/vapors, toxic substance. Carbon monoxide, carbon dioxide, nitrogen oxides.

SECTION 11: TOXICOLOGICAL INFORMATION.

11.1. Information on toxicological effects.

Toxicity of components.

	Reaction mixture of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)
Acute toxicity - alimentary tract: - respiratory tract: - acute toxicity after skin application:	 No data available LC50 (Rat): > 0.31 mg/l Exposure time: 4 hours Research atmosphere: dust/fog No data available
Skin corrosion/irritation:	Causes burns
Serious eye damage/eye irritation:	Causes serious eye damage.
Respiratory and skin sensitisation:	This product contains small amounts of a sensitizing substance. It may cause allergic reactions in sensitive individuals.
Mutagenic effect on germ cells:	Based on the available data, the classification criteria for the mixture are not met.
Carcinogenic effect:	Based on the available data, the classification criteria for the mixture are not met.
Reproductive toxicity:	Based on the available data, the classification criteria for the mixture are not met.

Specific target organ toxicity – single exposure:	Based on the available data, the classification criteria for the mixture are not met.
Specific target organ toxicity – repeated exposure:	Based on the available data, the classification criteria for the mixture are not met.
Aspiration hazard:	Based on the available data, the classification criteria for the mixture are not met.

Information on likely routes of exposure:

No data available.

Symptoms related to physical, chemical and toxicological properties:

No data available.

Delayed immediate and chronic effects from short and long-term exposure:

No data available.

Effects of interaction:

No data available.

11.2. Information about other threats.

Endocrine disrupting properties:

No data available.

Other information:

No data available.

SECTION 12: ECOLOGICAL INFORMATION.

12.1. Toxicity.

Based on available data, the product has not been classified as harmful to aquatic organisms.

12.2. Persistence and degradability.

No data available.

12.3. Bioaccumulative potential.

No data available.

12.4. Mobility in soil.

No data available.

12.5. Results of PBT and vPvB assessment.

The product does not contain substances identified as PBT/vPvB

12.6. Endocrine disrupting properties.

No data available.

12.7. Other harmful effects.

No reports of adverse effects or critical hazards.

SECTION 13: DISPOSAL CONSIDERATIONS.

13.1. Waste disposal methods.

Act of 14 December 2012 on waste (Journal of Laws of 2013, item 21) as amended
Act of 13 June 2013 on the management of packaging and packaging waste (Journal of Laws of 2013, item 888) Regulation of 27 September 2001 on the waste catalogue (Journal of Laws of 2001, No. 112, item 1206)
Waste disposal.
Waste code: 08 04 99
Other wastes not specified.
Product waste should be prioritized for recovery. Waste that cannot be recovered should be disposed of (subjected to biological, physical, or chemical transformation processes; landfilled). Only waste for which disposal by other means is impossible due to technological reasons or unjustified due to ecological or economic reasons should be landfilled. Waste recovery and disposal should only take place in designated areas in installations or facilities that meet the appropriate requirements, in accordance with applicable regulations. Waste discharge into sewage should be prevented.
Handling contaminated packaging.
Waste code: 15 01 02
Plastic packaging.
The above codes refer to used packaging that has been thoroughly cleaned of the original product, i.e. with the maximum amount of product removed from the packaging by physical or mechanical means, so that only residues or contaminants that cannot be removed by these means remain.
Reusable packaging should be reused after cleaning.

SECTION 14: TRANSPORT INFORMATION.

14.1. UN number.

Not applicable.

14.2. UN proper shipping name.

Not applicable.

14.3. Transport hazard class(es).

Not applicable.

14.4. Packing group .

Not applicable.

14.5. Environmental hazards.

Not applicable.

14.6. Special precautions for users.

Not applicable.

14.7. Transport in bulk in accordance with Annex II to MARPOL 73/78 and the IBC Code.

Not applicable.

SECTION 15: REGULATORY INFORMATION.

15.1. Safety, health and environmental regulations specific to the substance and mixture.

- Regulation (EC) No 1907/2006 (REACH) as amended
- Regulation (EC) No 1272/2008 (CLP/GHS) as amended
- Act of 25 February 2011 on chemical substances and their mixtures (Journal of Laws No. 63, item 322, as amended)

15.2. Chemical safety assessment.

The supplier has not performed a chemical safety assessment for the mixture.

SECTION 16: OTHER INFORMATION.

Changes

Changes in all sections.

Abbreviations used in the document

CLP - Classification, Labelling and Packaging Regulation

INCI - a naming system aimed at standardizing the naming of cosmetic ingredients LC50 - lethal concentration 50%

LD50 - lethal dose 50%

OEL - highest permissible concentration

OELV - the highest allowable momentary concentration

NDSP - highest permissible ceiling (threshold) concentration

CAS number - a numerical designation assigned to a chemical substance by the Chemical Abstracts Service (CAS), allowing the identification of the substance.

EC number - the number assigned to a chemical substance in the European Inventory of Existing Commercial Chemical Substances (EINECS), or the number assigned to a substance

in the European List of Notified Chemical Substances (ELINCS), or the number in the list of chemical substances listed in the publication "No-longer polymers".

PBT - persistence, bioaccumulation and toxicity.

REACH - Registration, Evaluation and Authorisation of Chemicals.

vPvB - high persistence, high bioaccumulation potential

Literature and other data sources used

- safety data sheets provided by manufacturers or distributors and
- online databases of substances and mixtures included in the mixture applicable regulations on substances and mixtures.

Skin Corr. – Corrosive to the skin.

Eye Dam. – Serious eye damage.

Aquatic Acute – Posing a hazard to the aquatic environment (acute).

Aquatic Chronic – Posing a hazard to the aquatic environment (chronic).

Acute Tox. – Acute toxicity

Skin Sens. – Skin sensitization.

Full text of the classification not given in points 2.2 and 3.2:

Skin Corr. – Corrosive to the skin.
Skin Irrit. - Irritating to skin.
Eye Dam. – Serious eye damage.
Eye Irrit. - Irritating to eyes.
Aquatic Acute – Posing a hazard to the aquatic environment (acute).
Aquatic Chronic – Posing a hazard to the aquatic environment (chronic).
Acute Tox. – Acute toxicity
Skin Sens. – Skin sensitization.
H301 – Toxic if swallowed.
H302 – Harmful if swallowed.
H310 – Fatal 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.
H400 – Very toxic to aquatic life.
H410 – Very toxic to aquatic life with long lasting effects.
H 411 – Toxic to aquatic life with long lasting effects.
EUH071 – Corrosive to the respiratory tract.

Training

- The employer is obliged to inform all employees who come into contact with the mixture about the hazards and personal protective equipment specified in this safety data sheet.

- The distributor is obliged to provide the recipient of the mixture with the information contained in this safety data sheet.

This safety data sheet was prepared and is intended solely for this product. It does not constitute a specification and cannot be considered a guarantee of its quality or compliance with customer requirements in individual applications. Its purpose is to provide guidance on the safe handling (occupational safety and environmental protection), transport, and storage of the mixture. If the conditions of use are beyond the manufacturer's control, the user is responsible for the safe use of the product. The data contained in this safety data sheet is based on our current knowledge and current legal regulations. Users should ensure that they comply with their own national regulations and/or the regulations in force in their countries.