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according to 1907/2006/EC, Article 31

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

· **1.1 Product identifier**

· **Trade name: INTRASIT IC 28OS**

· **Article number:** 40449
· **UFI:** ERM0-K0HK-P00A-YR7J
· **1.2 Relevant identified uses of the substance or mixture and uses advised against**
No further relevant information available.
· **Application of the substance / the mixture** Thixotropic silane emulsion for masonry injections.

· **1.3 Details of the supplier of the safety data sheet**
· **Manufacturer/Supplier:**
Sievert Baustoffe GmbH & Co. KG
Mühleneschweg 6
D-49090 Osnabrück
Tel.: +49 2363 5663-0

· **Further information obtainable from:**
Abteilung: Produktsicherheit
Tel.. +49 2363 5663-0
info-hahne@sievert.de
· **1.4 Emergency telephone number:**
Giftinformationszentrum Nord (GIZ Nord) Universität Göttingen,
Tel.: 0551-19240

SECTION 2: Hazards identification

· **2.1 Classification of the substance or mixture**
· **Classification according to Regulation (EC) No 1272/2008**
The product is not classified, according to the CLP regulation.
· **Additional information:** Inhalation of aerosol mists health can result.

· **2.2 Label elements**
· **Labelling according to Regulation (EC) No 1272/2008** Void
· **Hazard pictograms** Void
· **Signal word** Void
· **Hazard statements** Void
· **Additional information:**
Contains reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1). May produce an allergic reaction.
Safety data sheet available on request.
· **2.3 Other hazards**
Inhalation of aerosol mists health can result.
Product hydrolyzed to form ethanol (CAS No. 64-17-5). Highly flammable ethanol.
· **Results of PBT and vPvB assessment**
· **PBT:** Not applicable.
· **vPvB:** Not applicable.

SECTION 3: Composition/information on ingredients

· **3.2 Chemical characterisation: Mixtures**
· **Description:** Preparation based on alkoxysilane, siloxane and water.
· **Dangerous components:** Void

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· **Additional information:** For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

· **4.1 Description of first aid measures**
· **General information:**
In case of accident or if you feel unwell seek medical advice (if possible show the label or MSDS).
· **After inhalation:** Remove to fresh air.
· **After skin contact:**
Immediately wash with water and soap and rinse thoroughly.
Persistent skin irritation, consult a physician.
· **After eye contact:**
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
· **After swallowing:** Drink plenty of water and provide fresh air. Call for a doctor immediately.
· **4.2 Most important symptoms and effects, both acute and delayed** No further relevant information available.
· **4.3 Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

SECTION 5: Firefighting measures

· **5.1 Extinguishing media**
· **Suitable extinguishing agents:**
not applicable, product is not flammable
Carbon dioxide, foam, dry powder or water spray. Containers exposed to fire may be cooled with water spray.
· **5.2 Special hazards arising from the substance or mixture**
Hazardous decomposition products: alcohols. Do not allow extinguishing water into drains, soil or water.
Hazardous combustion products: nitrous gases.
· **5.3 Advice for firefighters**
· **Protective equipment:**
Wear of the self-contained breathing apparatus and protective clothing. Containers with water spray even after the fire is out. Foreclosures and materials appropriately. The local emergency plan is followed.

SECTION 6: Accidental release measures

· **6.1 Personal precautions, protective equipment and emergency procedures**
Avoid inhalation of vapor and mist. Avoid contact with skin and eyes.
Wear suitable protective equipment.
· **6.2 Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
· **6.3 Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Collect larger amounts of discontinued products in a pan.
The spilled product produces an extremely slippery surface.
Remove sources of ignition.
· **6.4 Reference to other sections**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

SECTION 7: Handling and storage

· **7.1 Precautions for safe handling** Avoid eye and skin contact.
· **Information about fire - and explosion protection:**
Keep away from open flames, sparks and heat sources. Keep away from sources of ignition and do not smoke. Take precautionary measures against static discharges. Cool endangered containers with water. Product can release methanol. Product can release ethanol. Fumes can combine with air to mixtures, leading to an

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explosion in the presence of ignition sources, even in empty, uncleaned receptacles in closed rooms. Possible within partially emptied containers formation of explosive mixtures.

· **7.2 Conditions for safe storage, including any incompatibilities**
· **Storage:**
· **Requirements to be met by storerooms and receptacles:**
Cool and dry bearings.
Protect from heat and direct sunlight.
Protect from frost.
· **Information about storage in one common storage facility:** Do not store together with oxidizing agents.
· **Further information about storage conditions:**
Keep container tightly closed and store in a cool, well-ventilated place.
· **7.3 Specific end use(s)** No further relevant information available.

SECTION 8: Exposure controls/personal protection

· **Additional information about design of technical facilities:** No further data; see item 7.

· **8.1 Control parameters**

· **Ingredients with limit values that require monitoring at the workplace:**	
64-17-5 ethanol	
WEL	Long-term value: 380 mg / m³, 200 ml / m³ 4 (II); DFG, Y

· **Additional information:** The lists valid during the making were used as basis.

· **8.2 Exposure controls**
· **Personal protective equipment:**
· **General protective and hygienic measures:** Wash hands before breaks and at the end of work.
· **Respiratory protection:**
When used as intended: not required. Use when aerosol or mist respirator. Dust mask without protection level.
· **Protection of hands:**
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
· **Material of gloves**
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
Solvent resistant gloves made e.g. PVC, nitrile or Viton (KCL) with permeation> 480 min (Level 6)
· **Penetration time of glove material**
The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.
· **Eye protection:** Goggles recommended during refilling
· **Body protection:** Work Wear impervious protective suit.

SECTION 9: Physical and chemical properties

· **9.1 Information on basic physical and chemical properties**
· **General Information**
· **Appearance:**

Form:	paste
Colour:	white to yellowish

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· **Odour:**	weak, characteristic
· **Odour threshold:**	Not determined.
· **pH-value:**	Not determined.
· **Change in condition**	
Melting point/freezing point:	Undetermined.
Initial boiling point and boiling range:	100 °C (bei 1013 hPa)
· **Flash point:**	64 °C
· **Flammability (solid, gas):**	Not applicable.
· **Ignition temperature:**	265 °C
· **Decomposition temperature:**	Not determined.
· **Auto-ignition temperature:**	Product is not selfigniting.
· **Explosive properties:**	Product does not present an explosion hazard.
· **Explosion limits:**	
Lower:	Not determined.
Upper:	Not determined.
· **Vapour pressure at 20 °C:**	23 hPa
· **Density at 20 °C:**	0.9 g/cm³
· **Relative density**	Not determined.
· **Vapour density**	Not determined.
· **Evaporation rate**	Not determined.
· **Solubility in / Miscibility with water:**	Not miscible or difficult to mix.
· **Partition coefficient: n-octanol/water:**	Not determined.
· **Viscosity:**	
Dynamic:	Not determined.
Kinematic:	Not determined.
· **Solvent content:**	
Solids content:	0.0 %
· **9.2 Other information**	to solubility in water: Hydrolytic decomposition occurs. Explosion limits for released ethanol: 3,5 - 15 vol%.

SECTION 10: Stability and reactivity

· **10.1 Reactivity** No further relevant information available.
· **10.2 Chemical stability**
· **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
· **10.3 Possibility of hazardous reactions** No dangerous reactions known.
· **10.4 Conditions to avoid** No further relevant information available.
· **10.5 Incompatible materials:**
This product hydrolyses in water or moist air, releasing alcohols and Orgabnosiliziumverbindungen.
Reacts slowly with: water and acids. Reacts with: acids and alkalis. The reaction causes the formation of: ethanol
· **10.6 Hazardous decomposition products:**
Hydrolysis: ethanol.
Above 150 ° C and traces of formaldehyde can be released.

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SECTION 11: Toxicological information

· **11.1 Information on toxicological effects**
Product details:

exposure	Results / effect	Species / test system	source
orally	LD50:> 2000 mg / kg	rat	analogy
dermal	LD50:> 2000 mg / kg	rat	Analogy OECD 402
inhalation (Aerosol / dust)	LC50:> 5.2 mg / l 4 h at the indicated dosage	rat	report

· **Acute toxicity** Based on available data, the classification criteria are not met.
· **Primary irritant effect:**
· **Skin corrosion/irritation** not an irritant
· **Serious eye damage/irritation** not an irritant
· **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
· **Other information (about experimental toxicology):**
Germ cell mutagenicity:
Assessment: The substance is not mutagenic according to current knowledge.
Carcinogenicity:
Assessment: no toxicological test data for the whole product this endpoint.
Reproductive Toxicity:
Assessment: no toxicological test data for the whole product this endpoint.
Specific target organ toxicity (single exposure):
assessment:
No toxicological test data for the total product at this endpoint.
Specific target organ toxicity (repeated exposure):
Assessment: no toxicological test data for the whole product this endpoint.
Aspiration hazard:
Assessment: Based on the physico-chemical properties of the product is not expected to aspiration.
· **Additional toxicological information:**
The product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest valid version.
When used and handled according to specifications, the product does to our experience and the information provided to us, no adverse health effects.
Hydrolysis product (s): Ethanol (64-17-5) acts according to the literature irritating to mucous membranes, possible mild irritant to the skin, skin drying and narcotic and may cause liver damage. Note to the listed toxicological data: assessment by analogy with a similar product.
· **CMR effects (carcinogenity, mutagenicity and toxicity for reproduction)**
· **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.
· **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.

SECTION 12: Ecological information

· **12.1 Toxicity** To expect no adverse effects on sewage treatment plants according to current experience.
· **Aquatic toxicity:** No further relevant information available.
· **12.2 Persistence and degradability**
Hydrolysis product (s) of ethanol and silanol and / or siloxanol compounds. Elimination by dsorption on activated sludge. Silicone content: Biologically not degradable. The hydrolysis product (ethanol) is readily biodegradable.
· **12.3 Bioaccumulative potential** No further relevant information available.
· **12.4 Mobility in soil** No further relevant information available.

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· **Additional ecological information:**
· **General notes:**
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
· **12.5 Results of PBT and vPvB assessment**
· **PBT:** Not applicable.
· **vPvB:** Not applicable.
· **12.6 Other adverse effects** No further relevant information available.

SECTION 13: Disposal considerations

· **13.1 Waste treatment methods**
· **Recommendation**
Must not be disposed together with household garbage. Do not allow product to reach sewage system.
According to regulations by incineration in a special waste incinerator. Local by-laws must be observed.

· **European waste catalogue**	
08 04 10	waste adhesives and sealants other than those mentioned in 08 04 09

· **Uncleaned packaging:**
· **Recommendation:**
Packages must be completely emptied (no powder rest, scraped carefully). Packages are in compliance with local / federal regulations for reuse or recycling. Contaminated packaging must be disposed of like the product.

SECTION 14: Transport information

· **14.1 UN-Number**	-
· **ADR, IMDG, IATA**	Void
· **14.2 UN proper shipping name**	-
· **ADR, IMDG, IATA**	Void
· **14.3 Transport hazard class(es)**	-
· **ADR, ADN, IMDG, IATA**	
· **Class**	Void
· **14.4 Packing group**	-
· **ADR, IMDG, IATA**	Void
· **14.5 Environmental hazards:**	Not applicable.
· **14.6 Special precautions for user**	Not applicable.
· **14.7 Transport in bulk according to Annex II of Marpol and the IBC Code**	Not applicable.
· **UN "Model Regulation":**	Void

SECTION 15: Regulatory information

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

· **Directive 2012/18/EU**
· **Named dangerous substances - ANNEX I** None of the ingredients is listed.

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· **National regulations:**

· **Waterhazard class:** Water hazard class 1 (Self-assessment): slightly hazardous for water.

· **Other regulations, limitations and prohibitive regulations**
· **VOC (EU)** 0.0 g/l
· **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Abbreviations and acronyms:**
RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
GHS: Globally Harmonised System of Classification and Labelling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative