



INSOFLOOR

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

- 1.1. Product identifier
Product name: InsOfloor
- 1.2. Relevant identified uses of the substance or mixture and uses advised against. Product use: Waterborne insulating coating for interior floor insulation use.
- 1.3. Details of the supplier of the safety data sheet: Thermilate Technologies Ltd.
Unit 48
Birds Royd Lane
BRIGHOUSE
West Yorkshire
HD6 1NG
0845 680 6124
www.thermilate.com
- E-mail address of person Responsible for this SDS: info@thermilate.com
- 1.4 Emergency telephone number Telephone number: 0845 680 6124
- Version: 4
- Date of previous issue: 01-12-2016

SECTION 2: HAZARDS IDENTIFICATION (PT. 1)

- 2.1 Classification of the substance or mixture
Product definition: Mixture
- Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]: Not classified.
- Ingredients of unknown toxicity: 0%
- Ingredients of unknown ecotoxicity: 0%
- Classification according to Directive 1999/45/EC [DPD]: The product is not classified as dangerous according to Directive 1999/45/EC and its amendments.
- Classification:
- 2.2 Label elements
Signal word: No signal word.
- Hazard statements: No known significant effects or critical hazards.



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SECTION 2: HAZARDS IDENTIFICATION (PT. 2)

Precautionary statements

General:	P102 - Keep out of reach of children. P101 - If medical advice is needed, have product container or label at hand.
Prevention:	P262 - Do not get in eyes, on skin, or on clothing.
Response:	P312 - Call a POISON CENTER or physician if you feel unwell.
Storage:	Not applicable.
Disposal:	P501 - Dispose of contents and container in accordance with all local, regional, national or international regulations.

Supplemental label elements:

Not applicable.

Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles:

Not applicable.

Special packaging requirements

Containers to be fitted with child-resistant fastenings:	Not applicable.
Tactile warning of danger:	Not applicable.

2.3 Other hazards

Other hazards which do not result in classification:	None known.
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SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Mixtures: Mixture

There are no ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment, are PBTs, vPvBs or Substances of equivalent concern, or have been assigned a workplace exposure limit and hence require reporting in this section.

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SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

General:	In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and seek medical advice.
Eye contact:	Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Seek immediate medical attention.
Inhalation:	Remove to fresh air. Keep person warm and at rest. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel.
Skin contact:	Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water or use recognised skin cleanser. Do NOT use solvents or thinners.
Ingestion:	If swallowed, seek medical advice immediately and show the container or label. Keep person warm and at rest. Do NOT induce vomiting.
Protection of first-aiders:	No action shall be taken involving any personal risk or without suitable training.

4.2 Most important symptoms and effects, both acute and delayed

There are no data available on the mixture itself. The mixture is not classified as dangerous according to Directive 1999/45/EC and its amendments.

If splashed in the eyes, the liquid may cause irritation and reversible damage. This takes into account, where known, delayed and immediate effects and also chronic effects of components from short-term and long-term exposure by oral, inhalation and dermal routes of exposure and eye contact.

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

Notes to physician:	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
Specific treatments:	No specific treatment.

SECTION 5: FIREFIGHTING MEASURES (PT. 1)

5.1 Extinguishing media

Suitable extinguishing media:	Recommended: alcohol-resistant foam, CO ² , powders, water spray.
Unsuitable extinguishing media:	Do not use water jet.

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SECTION 5: FIREFIGHTING MEASURES (PT. 2)

5.2 Special hazards arising from the substance or mixture

Hazards from the substance or mixture:

Fire will produce dense black smoke. Exposure to decomposition products may cause a health hazard.

Hazardous thermal decomposition products:

Decomposition products may include the following materials: carbon monoxide, carbon dioxide, smoke, oxides of nitrogen.

5.3 Advice for firefighters

Special protective actions for fire-fighters:

Cool closed containers exposed to fire with water. Do not release runoff from fire to drains or watercourses.

Special protective equipment for fire-fighters:

Appropriate breathing apparatus may be required.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel:

Avoid breathing vapour or mist. Refer to protective measures listed in sections 7 and 8.

For emergency responders:

If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

6.2 Environmental precautions:

Do not allow to enter drains or watercourses. If the product contaminates lakes, rivers, or sewers, inform the appropriate authorities in accordance with local regulations.

6.3. Methods and material for containment and cleaning up:

Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Preferably clean with a detergent. Avoid using solvents.

6.4. Reference to other sections:

See Section 1 for emergency contact information.
See Section 8 for information on appropriate personal protective equipment.
See Section 13 for additional waste treatment information.

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SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

Avoid contact with skin and eyes. Avoid inhalation of vapour, spray or mist. Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed.

Put on appropriate personal protective equipment (see Section 8).

Never use pressure to empty. Container is not a pressure vessel.

Always keep in containers made from the same material as the original one.

Comply with the health and safety at work laws.

Do not allow to enter drains or watercourses.

7.2 Conditions for safe storage, including any incompatibilities:

Store in accordance with local regulations.

Notes on joint storage

Keep away from: oxidising agents, strong alkalis, strong acids.

Additional information on storage conditions

Store in a dry, cool and well-ventilated area. Keep container tightly closed.

No smoking. Prevent unauthorised access. Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

7.3 Specific end use(s)

Recommendations:

Not available.

Industrial sector specific solutions:

Not available.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

The information in this section contains generic advice and guidance. Information is provided based on typical anticipated uses of the product. Additional measures might be required for bulk handling or other uses that could significantly increase worker or exposure or environmental releases.

8.1 Control parameters

Occupational exposure limits

No exposure limit value known.

Recommended monitoring procedures:

If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to monitoring standards, such as the following:
European Standard EN 689 (Workplace atmospheres - Guidance for the assessment of exposure by inhalation to chemical agents for comparison with limit values and measurement strategy) European Standard EN 14042 (Workplace atmospheres - Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents) European Standard EN 482 (Workplace atmospheres - General requirements for the performance of procedures for the measurement of chemical agents) Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (PT. 1)

8.1 Control parameters

Occupational exposure limits

No exposure limit value known.

Recommended monitoring procedures:

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DNELs/DMELs:

No DNELs/DMELs available.

PNECs:

No PNECs available.

8.2 Exposure controls

Appropriate engineering controls:

Provide adequate ventilation. Where reasonably practicable, this should be achieved by the use of local exhaust ventilation and good general extraction.

Hygiene measures:

Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Eye/face protection:

Use safety eyewear designed to protect against splash of liquids.

Hand protection:

There is no one glove material or combination of materials that will give unlimited resistance to any individual or combination of chemicals. The breakthrough time must be greater than the end use time of the product. The instructions and information provided by the glove manufacturer on use, storage, maintenance and replacement must be followed. Gloves should be replaced regularly and if there is any sign of damage to the glove material. Always ensure that gloves are free from defects and that they are stored and used correctly. Barrier creams may help to protect the exposed areas of the skin but should not be applied once exposure has occurred.

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (PT. 2)

Gloves: For prolonged or repeated contact use protective gloves. Barrier creams may help to protect the exposed areas of skin, they should however not be applied once exposure has occurred. Skin should be washed after contact.

Use chemical resistant gloves classified under Standard EN 374: Protective gloves against chemicals and micro-organisms. Recommended gloves: Viton® or Nitrile Breakthrough Time: 480 min

When prolonged or frequently repeated contact may occur, a glove with a protection class of 6 (breakthrough time greater than 480 minutes according to EN 374) is recommended. When only brief contact is expected, a glove with a protection class of 2 or higher (breakthrough time greater than 30 minutes according to EN 374) is recommended.

NOTICE: The selection of a specific glove for a particular application and duration of use in a workplace should also take into account all relevant workplace factors such as, but not limited to: Other chemicals which may be handled, physical requirements (cut/puncture protection, dexterity, thermal protection), potential body reactions to glove materials, as well as the instructions/specifications provided by the glove supplier.

The user must check that the final choice of type of glove selected for handling this product is the most appropriate and takes into account the particular conditions of use, as included in the user's risk assessment.

Body protection: Not applicable.

Other skin protection: Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Respiratory protection: Usually no respiratory protection required.
Respiratory protection in case of dust or spray mist formation. (particle filter EN143 type P2). Respiratory protection in case of vapour formation. (half mask with combination filter A2-P2 till concentrations of 0,5 Vol%.). No DNELs/DMELs available. No PNECs available.

Environmental exposure controls: Do not allow to enter drains or watercourses.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (PT. 1)

9.1. Information on basic physical and chemical properties

Physical state: Liquid.

Colour: Not available.

Odour: Not available.

Odour threshold: Not available.

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (PT. 2)

pH:	Not available.
Melting point/freezing point:	Not available.
Initial boiling point and boiling range:	100°C
Flash point:	Not available.
Evaporation rate:	Not available.
Upper/lower flammability or explosive limits:	Not available.
Vapour pressure:	Not available.
Vapour density:	Not available.
Relative density:	1,397
Solubility(ies):	Easily soluble in the following materials: cold water.
Solubility in water:	Not available.
Partition coefficient: n-octanol/ water:	Not available.
Auto-ignition temperature:	Not available.
Decomposition temperature:	Not available.
Viscosity:	Kinematic (room temperature): 5,02 cm ² /s
Explosive properties:	Not available.
Oxidising properties:	Not available.

9.2. Other information: No additional information.

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity:	No specific test data related to reactivity available for this product or its ingredients.
10.2. Chemical stability:	Stable under recommended storage and handling conditions (see Section 7).
10.3. Possibility of hazardous reactions:	Under normal conditions of storage and use, hazardous reactions will not occur.
10.4. Conditions to avoid:	When exposed to high temperatures may produce hazardous decomposition products.



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SECTION 10: STABILITY AND REACTIVITY

- 10.4. Conditions to avoid: When exposed to high temperatures may produce hazardous decomposition products.
- 10.5. Incompatible materials: Keep away from the following materials to prevent strong exothermic reactions: oxidising agents, strong alkalis, strong acids.
- 10.6. Hazardous decomposition products: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

There are no data available on the mixture itself. The mixture is not classified as dangerous according to Directive 1999/45/EC and its amendments. If splashed in the eyes, the liquid may cause irritation and reversible damage. This takes into account, where known, delayed and immediate effects and also chronic effects of components from short-term and long-term exposure by oral, inhalation and dermal routes of exposure and eye contact.

Acute toxicity

Conclusion/Summary: Not available.

Irritation/Corrosion

Conclusion/Summary: Not available.

Sensitisation

Conclusion/Summary: Not available.

Mutagenicity

Conclusion/Summary: Not available.

Carcinogenicity

Conclusion/Summary: Not available.

Reproductive toxicity

Conclusion/Summary: Not available.

Teratogenicity

Conclusion/Summary: Not available.

Specific target organ toxicity (single exposure)

Not available.

Specific target organ toxicity (repeated exposure)

Not available.

Aspiration hazard

Not available.



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SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

There are no data available on the mixture itself.
Do not allow to enter drains or watercourses.

The mixture has been assessed following the conventional method of the Dangerous Preparations Directive 1999/45/EC and is not classified as dangerous for the environment.

Conclusion/Summary : Not available.

12.2. Persistence and degradability

Conclusion/Summary : Not available.

12.3. Bioaccumulative potential

Conclusion/Summary : Not available.

12.4. Mobility in soil

Soil/water partition coefficient (KOC) : Not available
Mobility : Not available

12.5. Results of PBT and vPvB assessment

PBT : Not applicable. P: Not available. B: Not available. T: Not available.
vPvB : Not applicable. vP: Not available. vB: Not available

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

SECTION 13: DISPOSAL CONSIDERATIONS

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

13.1 Waste treatment methods

Product

Methods of disposal:	The generation of waste should be avoided or minimised wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and nonrecyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction.
Methods of disposal:	Within the present knowledge of the supplier, this product is not regarded as hazardous waste, as defined by EU Directive 91/689/EEC.
Methods of disposal:	Do not allow to enter drains or watercourses. Dispose of according to all federal, state and local applicable regulations. If this product is mixed with other wastes, the original waste product code may no longer apply and the appropriate code should be assigned. For further information, contact your local waste authority.

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SECTION 13: DISPOSAL CONSIDERATIONS

Product

Methods of disposal:	The generation of waste should be avoided or minimised wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.
Methods of disposal:	Using information provided in this safety data sheet, advice should be obtained from the relevant waste authority on the classification of empty containers. Empty containers must be scrapped or reconditioned. Dispose of containers contaminated by the product in accordance with local or national legal provisions.
Methods of disposal:	This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

SECTION 14: TRANSPORT INFORMATION

	ADR	IMDG
14.1 UN number	Not regulated.	Not regulated.
14.2 Proper shipping name	-	-
14.3 Transport hazard class	-	-
14.4. Packing group	-	-
14.5. Environmental hazards		
Marine pollutant	No	No.
Marine pollutant substances		Not available.
14.6. Special precautions for user		
HI/Kemler number	Not available	
Emergency schedules (EmS)		Not available
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code.	Not applicable.	Not applicable.
Additional information	-	-

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SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
EU Regulation (EC) No. 1907/2006 (REACH)

Annex XIV - List of substances subject to authorisation

Annex XIV: None of the components are listed.

Substances of very high concern: None of the components are listed.

Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles: Not applicable.

Other EU regulations

VOC: Not available.
Europe inventory: At least one component is not listed.

Seveso II Directive: This product is not controlled under the Seveso II Directive.

International regulations

Chemical Weapon Convention List Schedules I, II & III Chemicals: Not listed.

Montreal Protocol (Annexes A, B, C, E) Not listed.

Stockholm Convention on Persistent Organic Pollutants: Not listed.

Rotterdam Convention on Prior Inform Consent (PIC): Not listed.

UNECE Aarhus Protocol on POPs and Heavy Metals: Not listed.

SECTION 16: OTHER INFORMATION (PT. 1)

5.2 Chemical Safety Assessment: Not applicable.

CEPE code: 7
 Indicates information that has changed from previously issued version



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SECTION 16: OTHER INFORMATION (PT. 2)

Abbreviations and acronyms

ATE = Acute Toxicity Estimate
CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]
DMEL = Derived Minimal Effect Level
DNEL = Derived No Effect Level
EUH statement = CLP-specific Hazard statement
PBT = Persistent, Bioaccumulative and Toxic
PNEC = Predicted No Effect Concentration
RRN = REACH Registration Number
vPvB = Very Persistent and Very Bioaccumulative

Procedure used to derive the classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

Full text of abbreviated H statements: Not applicable.

Full text of classifications [CLP/GHS]: Not applicable.

Full text of abbreviated R phrases: Not applicable.

Full text of classifications [DSD/DPD]: Not applicable.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

Prepared by Thermilate Technologies Ltd

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This Product Data Sheet supersedes all other previously dated sheets for this product.