



# INSULFRAX LTX

## SAFETY DATA SHEET

Date of issue: 11.04.2019

according to WHS Regulations

SDS 18.28

### 1. IDENTIFICATION OF MATERIAL & SUPPLIER

**Brand Name:** INSULFRAX

**CAS No:** 436083-99-7

**Other Means of Identification**

**Product Names:**  
Insulfrax LTX, LTX

**Other Names:**

AES Wools (synthetic fibres, alkaline earth silicate)

### Recommended Use of the Chemical and Restriction on Use

Industrial / Professional use spec  
Use of the substance/mixture

:For professional use only  
:Industrial use within high temperature applications

**Manufacturer/Supplier:**

Unifrax Australia Pty. Ltd.  
336 Settlement Road,  
Thomastown, Victoria 3074  
Australia  
Email: [australia.info@unifrax.com](mailto:australia.info@unifrax.com)  
Tel: +61 3 9463 7100

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WA11 8LP St Helens, Merseyside  
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42420 Lorette - France  
Tel: +33 (0) 4 7773 7000

**Emergency Telephone Number:** 0419576681 (Lissa Glasson)

**Product Stewardship Information Hotline:** 1-800-322-2293 (Monday - Friday 8:00 - 4:30 EST (USA))

### 2. HAZARD(S) IDENTIFICATION

**Classification according to Regulation (EC) No> 1272/2008 (CLP)**

Not Classified

**Adverse Physiochemical, Human health and Environmental effects**

No additional information available

**Labelling requirements**

No labelling applicable



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### 3. COMPOSITION AND INFORMATION ON INGREDIENTS

#### Hazardous Components

Name	CAS	Proportion
AES wool Synthetic Fibers Alkaline Earth Silicate	436083-99-7	99-100%

**Other Information:** Remaining components not determined to be hazardous and/or hazardous components present at less than 1.0% (0.1% for carcinogens)

**This product is not asbestos and does not contain any asbestos**

### 4. FIRST AID MEASURES

<b>Inhalation:</b>	If inhaled, remove to fresh air.
<b>Skin Contact:</b>	In case of skin contact, remove clothing and wash affected area gently with water and soap. Do not scrub or scratch exposed skin. Using a skin cream or lotion after washing may be helpful in reducing irritation. Seek medical attention if symptoms occur
<b>Eye Contact:</b>	In case of eye contact, rinse with large amount of water for several minutes. Do not rub eyes. Seek medical attention if symptoms persist
<b>Ingestion:</b>	If swallowed, do not induce vomiting. Drink plenty of water. Seek medical attention if symptoms occur
<b>Advice to doctor:</b>	Acute effects are essential irritant in nature. Refer to 'OTHER INFORMATION' section for long term exposures.
<b>Symptoms Caused by exposure:</b>	Skin: May cause mechanical irritation Eye: May cause mechanical eye irritation

### 5. FIRE FIGHTING MEASURES

**Suitable Extinguishing Media:** The product is not flammable. Use extinguishing media appropriate for surrounding fire. Foam, Dry powder, Carbon dioxide, Water spray



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**Hazchem Code:** None Allocated.

**Protection during Fire fighting:**

Do not enter the area without proper protective equipment, including respiratory protection

### 6. ACCIDENTAL RELEASE MEASURES

**Personal Precautions, Protective Equipment and Emergency Procedures**

Wear approved dust/ particulate filter respirator and full protective clothing. Evacuate all non-essential personal from affected area. Do not breathe dust. Ensure adequate ventilation. Avoid generating dust.

**Environmental Precautions**

In the event of a major spill, prevent spillage from entering drains or water courses

**Methods and Materials for Containment and Cleaning up**

Pick up large pieces and clean up small pieces and dust with vacuum or by a wet sweeping technique. Do not use compressed air. Avoid clean up procedures that may result in water pollution

### 7. HANDLING & STORAGE

**Precautions for safe handling:**

Avoid contact with skin and eyes. Use PPE as required. Obtain special instructions before use. Do not eat, drink or smoke when using this product. Clear contaminated areas thoroughly. Ensure good ventilation of the work station.

All installation practices should be designed to minimise the liberation of any airborne dust or fiber

The product is to be stored in sealed plastic bags or similar until ready for installation.

If cutting or drilling of this product is necessary, use local extraction systems

Empty Store bags should be folded and stored/sealed in a container along with other waste material.

Upon completion the work area must be adequately cleaned. Industrial vacuum cleaning is recommended but wet mopping or wiping may be used if vacuuming is not practical

**Hygiene measures:**

Always wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work



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### Storage:

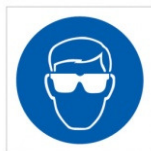
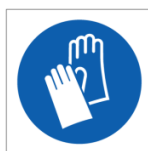
Store tightly in cool dry place. Store in a manner that minimizes dust generation. Keep away from food, drink and animal feeding stuffs

## 8. EXPOSURE CONTROLS & PERSONAL PROTECTION

### Exposure Standards:

#### 436083-99-7 INSULFRAX

WES	TWA: 2 fibers/ml (respirable)/ 5mg/m <sup>3</sup> (inhalable dust) - Workplace exposure limit
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### Engineering Controls:

Ensure adequate ventilation of the working area.

### Respiratory Protection:

Where an inhalation risk exists, wear a Class P1 (particulate) respirator. At high dust levels, wear a powered air purifying respirator (PAPR) with Class P3 (Particulate) filter or an air-line respirator or a full-face Class P3 (particulate) respirator. See Australian/ New Zealand Standards AS/NZS 1715 and 1716 for more information

### Skin Protection:

The code of practice for the safe use of synthetic mineral fibers (1990) recommends disposable overalls or long sleeved loose fitting clothing. See AS/NZS 2161 for more information. If launderable clothing is worn it should be washed separately from other clothing. Protective gloves are also recommended. See AS/NZS 2161 for more information. When selecting hand protection, the product should comply with relevant performance criteria. For example gloves should meet a suitable level of abrasion resistance to provide protection against hazards of a workplace.

### Eye and Face Protection:

Eye and Face protection against dust. See AS/NZ 1337 for more information

## 9. PHYSICAL & CHEMICAL PROPERTIES

### Appearance

**Form**  
**Colour**

Fibrous material  
White



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<b>Odour:</b>	Odourless
<b>Odour threshold</b>	No information available
<b>pH-value:</b>	Not applicable
<b>Melting Point</b>	1300°C
<b>Boiling Point</b>	No information available
<b>Flash point</b>	Not applicable
<b>Flammability</b>	Product is not flammable
<b>Auto-ignition Temperature</b>	No information available
<b>Decomposition temperature</b>	No information available
<b>Explosive properties</b>	No information available
<b>Vapour Pressure</b>	Not applicable
<b>Specific Gravity</b>	2.6 g/cm <sup>3</sup>
<b>Solubility in Water</b>	No information available
<b>Evaporation Rate</b>	No information available
<b>Other Properties</b>	Length weighted geometric mean diameter of fibres contained in the product: 1.9 - 6 microns

### 10. STABILITY & REACTIVITY

<b>Reactivity</b>	Stable under normal conditions of use
<b>Chemical Stability</b>	Stable under normal handling and storage conditions
<b>Hazardous reactions</b>	No dangerous reactions known
<b>Conditions to avoid</b>	No further information available
<b>Incompatible materials</b>	None
<b>Hazardous decomposition products</b>	Under normal storage conditions, hazardous decomposition products should not be produced

### 11. TOXICOLOGICAL INFORMATION

#### Acute Health Effects

<b>Inhalation</b>	Not Classified
<b>Skin</b>	Not Classified
<b>Eye:</b>	Not Classified
<b>Ingestion:</b>	Not Classified
<b>Germ Cell Mutagenicity</b>	Not Classified
<b>Specific target toxicity (Single &amp; repeated exposure)</b>	Not Classified

**Carcinogenicity** Not Classified ( Based on available data)

#### Additional Information



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When tested using approved methods (Directive 67/548/EC, Annex V, Method B4), fibres contained in this material gave negative results. All man-made mineral fibres, like some natural fibres, can produce a mild irritation resulting in itching or rarely, in some sensitive individuals, in slight reddening. Unlike other irritant reactions this is not the result of allergy or chemical skin damage but is caused by a temporary mechanical effect.

### Other Animal Studies

These materials have been designed to allow rapid clearance from tissue. And this low bio-persistence has been confirmed in many studies using EU protocol ECB/TM/27(rev 7) and the German method specified in TRGS 905 (1999). When inhaled, even at very high doses, they do not accumulate to any level capable of producing a serious adverse biological effect. In lifetime chronic studies there was no exposure-related effect more than would be seen with any "inert" dust. Subchronic studies at the highest doses achievable produced, at worst, a transient mild inflammatory response. Fibres with the same ability to persist in tissue do not produce tumours when injected into the peritoneal cavity of rats.

## 12. ECOLOGICAL INFORMATION

<b>Ecotoxicity</b>	No further relevant information available
<b>Aquatic toxicity</b>	No further relevant information available
<b>Bioaccumulative Potential</b>	No further relevant information available
<b>Mobility in soil</b>	No further relevant information available
<b>Other adverse effects</b>	No further relevant information available

## 13. DISPOSAL CONSIDERATIONS

<b>Waste Disposal:</b>	Waste shall be placed in containers, plastic bags or other methods which will prevent Fiber and/or dust emission, and disposed of in accordance with the local waste disposal authority requirements.
<b>Precautions for Landfill:</b>	There may be specific regulations at the Local, State or Federal level that pertain to this material.

## 14. TRANSPORT INFORMATION

No special transport requirements are necessary.

<b>UN Number</b>	Not Regulated
<b>Shipping Name</b>	Not Regulated
<b>DG Class</b>	Not Regulated
<b>Packaging Group</b>	Not Regulated
<b>Hazchem Code</b>	None Allocated
<b>Poisons Schedule</b>	Not Scheduled



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### 15. REGULATORY INFORMATION

<b>Australian Inventory of Chemical Substances:</b>	This chemical is not found in AICS
<b>Standard for the Uniform Scheduling of drugs and poisons (SUSMP)- Poison Schedule:</b>	Not Scheduled
<b>Other information:</b>	AES fibers are not on the REACH Candidate list

### 16. OTHER INFORMATION

#### Abbreviations and acronyms

GHS: Globally Harmonised system of Classification and Labelling of Chemicals  
CAS: Chemical Abstracts Service (division of American Chemical society)  
IARC: International agency for Research on Cancer  
TWA: Time weighted average  
NES: National exposure standard

#### References:

Replaces MSDS Dated 29.01.2018  
Authorised by : L Glasson

Date of Preparation: 11.04.2019  
Last Revision: 11.04.2019

#### **DISCLAIMER:**

*The information presented herein is based on data considered to be accurate as of the date of preparation of this Safety Data Sheet. However, no warranty or representation, express or implied, is made as to the accuracy or completeness of the foregoing data and safety information, nor is any authorisation given or implied to practise any patented invention without licence. In addition, no responsibility can be assumed by the vendor for any damage or injury resulting from abnormal use, from any failure to adhere to recommended practices, or from any hazards inherent in the nature of the product.*