

# Hemsec SIPs Health & Safety Information (COSHH)

Issue 2 - September 2013

## 1. PRODUCT IDENTIFICATION

### Commercial Name

Structural Insulated Panel

### Supplier

Hemsec SIPs, Stoney Lane, Rainhill, Merseyside, L35 9LL

Tel: 0151 426 7171 Fax: 0151 493 1331

## 2. COMPOSITION

Structural Insulated panel consisting of a Polyurethane (PUR) core with 15mm OSB/3 to both faces.

## 3. HAZARD IDENTIFICATION

This product is not considered to be non-hazardous under normal working conditions with no health related problems. However, the following points should be noted during handling, machining (where required), and installation of the SIP panel:

- Dust inhalation from cutting of PUR core and OSB sheets.
- Eye irritation caused by dust from cutting of PUR core and OSB sheets.
- Muscular/Skeletal from manual handling of SIP panel.
- Penetration of skin from manual handling of OSB sheets.

## 4. FIRST AID MEASURES

Inhalation - Seek medical attention if adverse reaction occurs.

Skin Contact - Wash contaminated areas with soap and water. Seek medical attention if rashes develop.

Eye Contact - Irrigate with water for 15 minutes & seek medical advice if irritation persists.

Penetration of skin - Seek Medical Advise

Ingestion - Seek Medical Advise

## 5. FIRE FIGHTING MEASURES

The flammability of the structural insulated panel varies considerably due to its sub-component use in the overall building structure. Precautions must be taken to isolate all sources against ignition, fire spread and smoke.

Extinguishing Media - Water spray, CO2, & Chemical foam.

Combustion Products - Carbon monoxide, carbon dioxide & Oxides of Nitrogen.

Fire Fighting Measures - Small amounts of Hydrogen cyanide may be formed during fire, self contained breathing apparatus should be used by fire fighters.

## 6. ACCIDENTAL RELEASE MEASURES

N/A.

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## 7. HANDLING & STORAGE

Suitable plant or equipment should be made available for the safe unloading of packs of panels. Packs should be unloaded following the guidelines below.

- Lift only one pack at a time.
- Lift pack in the middle ensuring the unloading area is clear and level.
- All pack edges are vulnerable at time of unloading and extra care should be taken.

For short-term storage, panels can be stored outside, off the ground as long as the protective polythene sheet is unbroken.

Open packs should be stored internally or a protective polythene sheet should be replaced.

Packs should be stored as close to the build as possible without relocation leading to possible handling damage.

Care should be taken when handling Hemsec SIPs panels to prevent damage.

Sufficient manpower and/or mechanical lifting devices must be used to prevent damage to the panels during handling.

## 8. EXPOSURE & PERSONAL PROTECTION

The use of the following personal protective equipment is recommended:

Activity	Hazard	Recommended PPE
Cutting of Panel PUR Core	Dust Inhalation	Disposable masks conforming to EN149:2001
Cutting of Panel PUR Core	Contact with Eyes	Safety goggles to BS EN 133: 4F
Cutting of Panel PUR Core	Skin Contact	Gloves conforming to BS EN 388

Activity	Hazard	Recommended PPE
Cutting of OSB	Dust Inhalation	Disposable masks conforming to EN149:2001
Cutting of OSB	Contact with Eyes	Safety goggles to BS EN 133: 4F
Cutting of OSB	Skin Penetration	Gloves conforming to BS EN 388

## 9. PHYSICAL PROPERTIES

Form	Solid foam core with timber finish to panel faces
Colour	Yellow core with OSB finish
Odour	None
pH Value	N/A
Boiling Point	N/A
Flash Point	>100 °C
Explosion Limits	Not determined
Vapour Pressure	N/A
Solubility in Water	Consult Hemsec SIPs
Auto Ignition Temperature	Approx. 100 °C

## 10. STABILITY & REACTIVITY

The product is stable with no deterioration in normal designed use.

## 11. TOXICOLOGY INFORMATION

No known toxic health hazards.

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## 12. ECOLOGICAL INFORMATION

HCFC	-	Free
Ozone depletion factor	-	0 (Zero)
Global warming potential (GWP)	-	<5

## 13. DISPOSAL CONSIDERATIONS

Waste OSB and Polyurethane can be disposed of as inert solid waste.

## 14. TRANSPORT INFORMATION

Classed as a Non-Hazardous substance.

## 15. REGULATORY INFORMATION

None.

## 16. OTHER INFORMATION

The information contained within this document is to be used in the health and safety management of projects during the planning, installation and use of the structural insulated panels within a building project.

The information contained herein is given in good faith and to the best of our knowledge, but no warranty is expressed or implied.

Users should consider this data only as a supplement to other information gathered by them. The user must make independent determinations of suitability and completeness for the information from all sources to assure proper use and disposal of the product, safety of employees and customers, and the protection of the environment.