	Standard	Date: 01.03.2012
	Safety Data Sheet	Version 2
	XPS	Page: 1 / 6

1. PRODUCT AND COMPANY IDENTIFICATION

Generic product name : "URSA XPS" Extruded Polystyrene Foam

Recommended use : Thermal and/or acoustical insulation of wall or roof

Producer : URSA Iberica Aislantes S.A.
Carretera de Vilarodona km7
43810 El Pla de Santa Maria (Tarragona)
Tel.: 977 63 17 01
Fax:977 63 17 05
Email: carles.borras@uralita.com

Emergency telephone number : 977631701

2. HAZARDS IDENTIFICATION

Most important hazards : Non applicable

Specific hazards : Non applicable

3. COMPOSITION / INFORMATIONS on INGREDIENTS

Chemical Nature : Extruded polystyrene foam containing a halogenated flame retardant system.

EINECS-Number : n.d.

CAS-Number : n.d.

EC-Number : n.d.

UN-Number : n.d.

Hazardous ingredients : Hexabromocyclododecane

Content : > 0,1 %

CAS Number : 3194-55-6

EC-Number : 221-695-9

Hazard symbol : N, R50/53

Additional notes : -

4. FIRST AID MEASURES

Information according to the different exposure route:


Inhalation : n.a.

Skin contact : None

Eyes contact : None. The procedure of removing particles from cutting or sewing is the same as removing dust or insects

Ingestion : No emergency medical treatment necessary.

In case of any adverse reaction or continuous discomfort from any of the above exposure, seek medical professional advice.

	Standard	Date: 01.03.2012
	Safety Data Sheet	Version 2
	XPS	Page: 2 / 6

5. FIRE FIGHTING MEASURES


Suitable extinguishing media	Water, Carbon dioxide, Dry chemical fire extinguishers
Fire and Combustion Hazards	Dense smoke is produced when product burns Under fire conditions polymers decompose. The smoke may contain polymer fragments of varying compositions in addition to unidentified toxic and/or irritating compounds. Combustion products may include and are not limited to: Carbon monoxide. Carbon dioxide
Special Protective Equipment for Firefighters:	Wear positive-pressure self-contained breathing apparatus and protective fire fighting clothing (includes fire fighting helmet, coat, trousers, boots and gloves)
Additional notes	"URSA XPS" are polyterene boards containing flame retardants which prevent ignition by small flames. When applied together with other combustible material there must be actions which ensure that the technical and the official requirements are fulfilled

6. ACCIDENTAL RELEASE MEASURES

Personal precautions	: There are no special required instructions.
Environmental protection	: There are no special required instructions
Methods for cleaning up	: Recover spilled material if possible. See Section 13, Disposal Considerations, for additional information

7. HANDLING AND STORAGE

<u>Handling</u>	
Safe Handling:	Protection of Insulation boards from direct sun, moisture and direct heat. Certain operations such as grinding or cutting, may lead to build-up of dust which could cause a dust explosion. Provide adequate local ventilation and appropriate dust handling systems. Boards are attacked by soluble substances. Therefore the glue and all material which is in touch with the boards should be free of soluble substances. "URSAXPS" boards should not be exposed longer periods to temperatures above 85°C.
Fire and combustion notes:	Do not use open flame on the boards. This product is combustible and may constitute a fire hazard if improperly used or installed. When installed, this product should be adequately protected as directed by national building regulations or instructions in the specific application brochure. During shipment, storage, installation and use, this material should not be exposed to flame or other ignition sources. This material contains a halogenated flame retardant additive system to inhibit accidental ignition from small fire sources..

	Standard	Date: 01.03.2012
	Safety Data Sheet	Version 2
	XPS	Page: 3 / 6

Storage

- Technical measures** : Protect from UV radiation.
- Suitable storage condition** : Store products removed from pallet and packaging or loose un-palletised product, in a dry location
- Incompatible materials** : Do not storage with easily flammable materials
- Packaging material** : Delivered packed in polyethylene film or cardboard on wooden pallet


8. EXPOSURE CONTROLS / PERSONAL PROTECTION

- Exposure Limit Value** : None at European level.
- Exposure controls** : No specific requirements
- Individual protection equipments**
- Respiratory protection** : When working in unventilated area or during operations which can generate emission of dust. Type in accordance with EN 149 FFP1 is recommended.
- Hand protection** : Wear usual gloves in conformity with EN 388
- Eyes protection** : Wear goggles when working overhead. Eye protection to EN 166 is advised
- Skin protection** : Cover exposed skin
- Hygiene measures** : Rinse in cold water before washing

9. PHYSICAL AND CHEMICAL PROPERTIES

(Method and values with measures according to directive 67/548/EG)


- Physical state** : rigid board
- Form** : board
- Colour** : Yellow
- Odour** : Odourless
- Decomposition temp.** : 350°C
- Melting Point** : 100 - 125°C
- Softening point/range** : + 85°C
- Flash point** : 380 °C

	Standard	Date: 01.03.2012
	Safety Data Sheet	
	XPS	
		Version 2
		Page: 4 / 6

Flammability	:	
Ignition temp.	:	Depends on contiguous flammable materials
Auto ignition temp.	:	+ 500°C, or only in combination with construction materials that are easily auto flammable (like wood).
Fire supporting characteristics:	:	-
Explosion hazard:	:	n.a.
Flammable limits in air:	:	n.a.
Lower flammable limits:	:	n.a.
upper flammable limits	:	n.a.
Vapor pressure	:	-
Density	:	25 - 45 kg/m
Solubility	:	Materials should not get in contact with organic solvents as fuel, nitro-cellulose combination thinner etc.
Adhesive	:	For adhesion to XPS, adequate adhesives must be used
Solubility in water	:	insoluble in water
Fat solubility	:	Contact with fatty acids should be avoided.
Distribution coefficient	:	n.a.
pH-value (with 1000 g/l H₂O)	:	n.a.
Content of solvent	:	n.a.
Check of solvent disjunction	:	n.a.
Kinematic Viscosity	:	n.a.
Additional notes	:	n.a.

10. STABILITY AND REACTIVITY

Thermal Stability	:	Thermally stable at typical use temperatures. Exposure to elevated temperatures above 85°C can cause the material to deform. Avoid load at temperatures higher than 85°C.
Dangerous reactions	:	n.a.
Hazardous Decomposition Products	:	Does not normally decompose. Decomposition products depend upon temperature, air supply and the presence of other materials. Decomposition products can include and are not limited to: Aromatic compounds. Aldehydes. Ethylbenzene. Hydrogen bromide. Polymer fragments. Under high heat, non-flaming conditions, small amounts of aromatic hydrocarbons such as styrene and ethylbenzene are generated.
Additional notes	:	Avoid direct sun light, do not mix with organic solvents

	Standard	Date: 01.03.2012
	Safety Data Sheet	Version 2
	XPS	Page: 5 / 6

11. TOXICOLOGICAL INFORMATION

Acute Toxicity	: Toxicologically innocuous. In case of combustion, see section 10
Allergization	: n.a.
Skin and eye irritation	: Essentially non irritating to the skin. Mechanical injury only. Skin absorption is unlikely due to physical properties.
Eye Contact	: Solid or dust may cause irritation or corneal injury due to mechanical action.
Toxicity after long term exposure	: n.a.
Carcinogenic, mutagenic or reproductive toxicity	: n.a.
Practical experience	: No relevant information found.
Additional notes	: -

12. ECOLOGICAL INFORMATION


Environmental hazard classification according to hazard symbol 'N'	: n.a.
Degradability	: Surface photo-degradation is expected with exposure to sunlight. No appreciable biodegradation is expected.
Ecotoxicity	: Not expected to be acutely toxic to aquatic organisms. With regard to bioaccumulation, there is no evidence of any significant leaching, therefore it is unlikely to contaminate ground water.
Additional ecological information:	
CSB-value	: n.a.
BSB-value	: n.a.
AOX-value	: n.a.
Additional information	: This product contains a substance which is classified as dangerous for the environment. However recent studies on aquatic organisms have shown that articles such as XPS foams, while containing this substance, do not need to be classified for environmental hazard.

13. DISPOSAL CONSIDERATIONS

All efforts to recycle material should be made. However, this material contains a halogenated flame retardant and should not be recycled with other non-flame retarded plastics. This material may be disposed of preferably by incineration under approved conditions or, in some countries, in approved landfills. Customers are advised to check their local legislation governing the disposal of waste materials. If incinerated, it is recommended that the flue gases be treated by a scrubber before exhausting to the atmosphere.

14. TRANSPORT INFORMATION

Road and Rail	: not regulated
Ocean	: not regulated
Air	: not regulated
Inland waterways	: not regulated
Additional notes	: -

	Standard	Date: 01.03.2012
	Safety Data Sheet	Version 2
	XPS	Page: 6 / 6

15. REGULATORY INFORMATION

European Inventory of Existing Commercial Chemical Substances (EINECS)

The components of this product are on the EINECS inventory or are exempt from inventory requirements.

EC Classification and User Label Information

This product is not classified as dangerous according to EC criteria.

Additional information:

REACH Regulation (EC) No 1907/2006.

This product is an Article.

This product contains Hexabromocyclododecane above 0.1% (w/w) listed in the Candidate list for Authorisation established in accordance with article 59.1.

16. OTHER INFORMATION

Only related to

Hexabromocyclododecane

(see point 3.6)

: R50/53 toxic to organisms living in water; can cause unwanted long-term effect in the water Environment

Formation / Trainings

: n.a.

URSA Ibérica Aislantes S.A. urges each customer or recipient of this (M)SDS to study it carefully and consult appropriate expertise, as necessary or appropriate, to become aware of and understand the data contained in this (M)SDS and any hazards associated with the product. The information herein is provided in good faith and believed to be accurate as of the effective date shown above. However, no warranty, express or implied, is given. Regulatory requirements are subject to change and may differ between various locations. It is the buyer's/user's responsibility to ensure that his activities comply with all federal, state, provincial or local laws. The information presented here pertains only to the product as shipped. Since conditions for use of the product are not under the control of the manufacturer, it is the buyer's/user's duty to determine the conditions necessary for the safe use of this product. Due to the proliferation of sources for information such as manufacturer-specific (M)SDSs, we are not and cannot be responsible for (M)SDSs obtained from any source other than ourselves. If you have obtained an (M)SDS from another source or if you are not sure that the (M)SDS you have is updated, please contact us for the most current version.