

Version: 1.0/EN

Revision date: 01/11/2013

Product name: IXPE (Irradiation crosslinking polyethylene foam)

Printing date: 01/11/2013

## 1. Identification

### (a) Product identifier

Product name: IXPE (Irradiation crosslinking polyethylene foam)

### (b) Other means of identification

Product description: Solid(3mm thickness sheet).

### (c) Recommended use of the chemical and restrictions on use

Recommended use: Mute, shock absorption, rebound.

Restriction on use: No information available.

## 2. Hazard(s) identification

### (a) Classification of the chemical

This product is not classified as hazardous.

### (b) Label elements

This product is not classified as hazardous.

Pictogram(s): No Pictogram.

Signal word: No signal word.

Hazard statements: No hazard statement.

Precautionary statements: No Precautionary statement.

### (c) Description of any hazards not otherwise classified

No information available.

### (d) Ingredient with unknown acute toxicity

No information available.

## 3. Composition/information on ingredients

### (a) Substance information

Chemical name:	Polyethylene
Common name and synonyms:	LDPE
CAS number:	9002-88-4

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Purity:

99.89%

## 4. First-aid measures

### *(a) Description of first aid measures*

Inhalation: Product will not be inhaled at normal condition. No first aid measures needed.  
Skin contact: Product is not irritating to skin. Wash off with water after handling.  
Eye contact: Product will not contact with eyes at normal condition. No first aid measures needed.  
Ingestion: Product will not be ingested at normal condition. If swallowed by mistake, call a physician immediately.

### *(b) Most important symptoms/effects, acute and delayed*

Ingestion: harmful is swallowed by mistake.

### *(c) Immediate medical attention and special treatment*

Attending physician should treat exposed patients symptomatically.

## 5. Fire-fighting measures

### *(a) Extinguishing media*

Suitable extinguishing media: Water, foam, dry powder or carbon dioxide.  
Unsuitable extinguishing media: No information available.

### *(b) Special hazards arising from the chemical*

In the event of a fire, the following substances may be formed: carbon monoxide (CO) and carbon dioxide (CO<sub>2</sub>).

### *(c) Special protective equipment and precautions for fire-fighters*

Firefighters must wear fire resistant protective equipment. Wear self-contained breathing apparatus.

## 6. Accidental release measures

### *(a) Personal precautions, protective equipment and emergency procedures*

Remove all sources of ignition. Do not breathe in dust.

### *(b) Methods and materials for containment and cleaning up*

Pick up mechanically, and place in an appropriate container for disposal. Disposal in accordance with the official regulations. See section 13.

## 7. Handling and storage

### *(a) Precautions for safe handling*

Use only in well-ventilated areas. Keep container tightly closed. Avoid strong heating. Do not breathe in dust.

### *(b) Conditions for safe storage, including any incompatibilities*

Store separately from: strong oxidising agents.  
Keep away from heat and sources of ignition. Keep away from sparks and flames.

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## 8. Exposure controls/personal protection

### (a) Control parameters

Not established.

### (b) Appropriate engineering controls

Do not inhale dust or smoke of heated product. Ensure adequate ventilation. Remove all source of ignition.

### (c) Personal protective equipment

Respiratory protection:

No personal respiratory protective equipment normally required. If there is a risk of inhalation of dust, an appropriate respirator should be worn.

Hand protection:

Wear protective gloves when handling.

Eye/face protection:

Not necessary.

Skin/body protection:

Apron and general working clothing.

## 9. Physical and chemical properties

### (a) Appearance

Solid

### (b) Odor

Not available.

### (c) Odor threshold

Not available.

### (d) pH

Not applicable.

### (e) Melting point/freezing point

Varies with the density.

### (f) Initial boiling point and boiling range

Not available.

### (g) Flash point

Not applicable.

### (h) Evaporation rate

Not applicable.

### (i) Flammability

Non-flammable.

### (j) Upper/lower flammability or explosive limits

Not available.

### (k) Vapor pressure

Not available.

### (l) Density

35 kg/m<sup>3</sup>

### (m) Relative density

Not available.

### (n) Solubility(ies)

Insoluble.

### (o) Partition coefficient: n-octanol/water

Not available.

### (p) Auto-ignition temperature

Product is not self-igniting.

### (q) Decomposition temperature

Not available.

### (r) Viscosity

Not available.

## 10. Stability and reactivity

### (a) Reactivity

Stable under recommended storage and handling conditions (see section 7, handling and storage).

### (b) Chemical stability

Stable under normal conditions.

### (c) Possibility of hazardous reactions

None hazardous reactions known.



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**(d) Conditions to avoid**

To avoid thermal decomposition, do not overheat. Keep away from open flames, hot surfaces, and sources of ignition.

**(e) Incompatible materials**

No information available

**(f) Hazardous decomposition products**

Carbon monoxide (CO), carbon dioxide (CO<sub>2</sub>).

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## 11. Toxicological information

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**(a) Information on the likely routes of exposure**

May be harmful if swallowed by mistake.

**(b) Information on toxicological characteristics**

Acute toxicity:	Product has no acute toxicity.
Skin corrosion/irritation:	Not irritating.
Serious eye damage/irritation:	Not irritating.
Respiratory sensitization:	Not sensitizing.
skin sensitization:	Not sensitizing.
Carcinogenicity:	Polyethylene: IARC 3
Germ Cell Mutagenicity:	No data available.
Reproductive Toxicity:	No data available.
STOT-Single Exposure:	No data available.
STOT-Repeated Exposure:	No data available.
Aspiration Hazard:	No data available.

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## 12. Ecological information

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**(a) Ecotoxicity**

No data available.

**(b) Persistence and Degradability**

Based on best current information, there is no data known associated with this product.

**(c) Bioaccumulative potential**

Based on best current information, there is no data known associated with this product.

**(d) Mobility in soil**

Based on best current information, there is no data known associated with this product.

**(e) Other adverse effects**

No information available.

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## 13. Disposal considerations

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## (a) Safe handling and methods of disposal

Disposal should be in accordance with applicable regional, national and local laws and regulations. Local regulations may be more stringent than regional or national requirements.

## 14. Transport information

(a) UN number	Not regulated as dangerous goods.
(b) UN Proper shipping name	Not regulated as dangerous goods.
(c) Transport hazard class(es)	Not regulated as dangerous goods.
(d) Packing group (if applicable)	Not regulated as dangerous goods.
(e) Marine pollutant (Yes/No)	No
(f) Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code)	No information available.
(g) Special precautions	No information available.

## 15. Regulatory information

### (a) Safety, health and environmental regulations specific for the product in question

CAS No.	USA TSCA	EU EINECS	Korea ECL	China IECSC	Canada DSL
9002-88-4	Listed	Not listed	Listed	Listed	Listed
Remark: The above-mentioned search results are based on the Non-Confidential Inventory.					

## 16. Other information, including date of preparation or last revision

### (a) Preparation and revision information

Date of previous revision: Not applicable.

Date of this revision: 01/11/2013

Revision summary: The first New SDS

### (b) Abbreviations and acronyms

TSCA	Toxic Substances Control Act, The American chemical inventory.
DSL	Domestic Substances List
EINECS	European Inventory of Existing Commercial chemical Substances
ECL	Existing Chemicals List, the Korean chemical inventory.
IECSC	Inventory of existing chemical substances in China.

### (c) Disclaimer

The information in this SDS is provided all the relevant data fully and truly. However, the information is provided without any warranty on their absolute extensiveness and accuracy. This SDS was prepared to provide safety preventive measures for the users who have got professional training. The personal user who obtained this SDS should make independent judgment for the applicability of this SDS under special conditions. In these special cases, we do not assume responsibility for the damage.

----- End of the SDS -----

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**The appended drawings:**

IXPE (Irradiation crosslinking polyethylene foam)

