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Updated on May, 2010  
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## Material Safety Data Sheet

### 1. Chemical Product and Company Identification

<b>Product Name</b>	eSORBA ESP series
<b>Synonyms</b>	Microcellular Polyurethane Elastomer
<b>Chemical Family</b>	Polyurethane
<b>General Use</b>	Gasket, Vibration damping
<b>Product Description</b>	Roll type Polyurethane pad

#### Manufacturer information

- **Company name**  UTIS COMPANY LTD.  
Unique Technology. Innovative Solutions.
- **Address** #807 Anyang Construction Tower, 1112-1 Bisan-dong,  
Dongan-gu, Anyang-si, 431-050, Korea
- **Emergency phone** 80-31-689-5020~7

### 2. Composition, Information on Hazardous Ingredients

<u>Chemical name</u>	<u>Wt %</u>	<u>CAS registry #</u>
TiO <sub>2</sub> & Carbon black	< 5.0	1333-86-4
Polyurethane	> 90	N/A

### 3. Hazards Identification

#### Emergency overview

Form/Appearance : Rolled Sheet

Odor, Color : Black, Odorless

Immediate health, physical, and environmental hazards : None known

#### Potential health effects

Primary routes of exposure : Routes of entry for solids include eye and skin contact,  
ingestion and inhalation

Acute overexposure effects : Contact with the eyes and skin may result in mechanical irritation  
ingestion of solid may result in gastric disturbances

Chronic Health Effects : None known

#### 4. First Aid Measures

Eye contact : Flush eyes with running water. If irritation develops, get immediate medical attention.

Skin contact : Wash thoroughly with soap and water.

Inhalation : Move to fresh air. Aid in breathing, if necessary, and get immediate medical attention.

Ingestion : If swallowed, immediately induce vomiting. Get immediate medical attention

#### 5. Fire Fighting Measures

Flash point : N/A

Upper explosion limit : N/A

Lower explosion limit : N/A

Autoignition temperature : N/A

Extinguishing media : Dry chemical, water spray, water fog, foam or CQ

##### **Fire fighting instructions :**

Urethane polymers can burn producing toxic fumes by decomposition in a fire. Protect product from any kind of flames.

Avoid breathing vapors of fumes of heated or burning product.

Firefighters should wear butyl rubber boots, gloves, and body suit and self-contained breathing apparatus.

#### 6. Accidental Release Measures

Personal precautions : None needed.

Environmental precautions : Disposal should be carried in compliance with regulations regarding health, air and water pollution.

Methods for cleaning up : Normal clean up. Avoid creating dusty atmosphere.

#### 7. Handling and Storage

Handling : When handling , do not eat, drink or smoke.

Keep away from fire, avoid extreme heat. (Avoid temperature above 260 degree C)

Storage : Store in cool, dry and ventilated area.

#### 8. Exposure controls, Personal protection

N/A

#### 9. Physical and Chemical properties

Appearance : Solid, rolled sheet in black color

Odor : Odorless

Boiling point : N/A

Melting point : N/A

Density (g/cm<sup>3</sup>) : 1.07

## 10. Stability and Reactivity

Chemical stability	: Stable
Conditions to avoid	: Open flame, over heating (over 260 degree C)
Incompatibility with other materials	: N/A
Hazardous decomposition products	: See section 5
Hazardous polymerization	: None known

## 11. Toxicological Information

No relevant information found

## 12. Ecological Information

No data available

## 13. Disposal Considerations

Waste disposal : Incinerate in a licensed facility. Do not discharge into waterways or sewer systems.

Container disposal : Unused material and empty containers must be disposed of in accordance with local, state and federal regulations.

## 14. Transport Information

DOT shipping name	: N/A
DOT hazard classification	: N/A
Packing group	: N/A
UN/NA code	: N/A

## 15. Regulatory Information

All components of this product are either listed on the Toxic Substance Control Act (TSCA) inventory of chemicals or are otherwise compliant with TSCA regulations.

## 16. Other information

The information contained herein is based on the present state of our knowledge and does not therefore guarantee certain properties. Recipients of our product must take responsibility for observing existing laws and regulations.