

# OPTIM-R® E

## Safety Data Sheet

According to US HazCom 2012

### SECTION 1: Identification

#### 1.1. Identification

Product form - Article  
Trade name - Kingspan OPTIM-R® E

#### 1.2. Recommended use and restrictions on use

Recommended use - Roofing activities, flexible sealing materials

#### 1.3. Supplier

Kingspan Insulation LLC  
2100 River Edge Parkway, Suite 175  
Atlanta, GA USA, 30328  
[www.kingspaninsulation.us](http://www.kingspaninsulation.us)  
Customer service: 1-800-241-4402

#### 1.4. Emergency telephone number

Emergency number - Customer service: 1-800-241-4402

### SECTION 2: Hazard(s) identification

#### 2.1. Classification of the substance or mixture

GHS US classification  
Not classified

#### 2.2. GHS Label elements, including precautionary statements

GHS US labeling  
No labeling applicable

#### 2.3. Other hazards which do not result in classification

No additional information available

#### 2.4. Unknown acute toxicity (GHS US)

No additional information available

### SECTION 3: Composition/Information on ingredients

#### 3.1. Substances

Not applicable

#### 3.2. Mixtures

This mixture does not contain any substances to be mentioned according to the criteria of section 3.2 of HazCom 2012

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### SECTION 4: First-aid measures

#### 4.1. Description of first aid measures

First-aid measures after inhalation	- Remove person to fresh air and keep comfortable for breathing.
First-aid measures after skin contact	- Wash skin with plenty of water.
First-aid measures after eye contact	- Rinse immediately with plenty of water.
First-aid measures after ingestion	- Rinse mouth. Do NOT induce vomiting. Call a poison center or a doctor if you feel unwell.

#### 4.2. Most important symptoms and effects (acute and delayed)

Symptoms/effects	- Not expected to present a significant inhalation hazard under anticipated conditions of normal use. Normal use of this product shall imply use in accordance with the instructions on the packaging.
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#### 4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically.

### SECTION 5: Fire-fighting measures

#### 5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media	- Use extinguishing media appropriate for surrounding fire.
Unsuitable extinguishing media	- Do not use a heavy water stream.

#### 5.2. Specific hazards arising from the chemical

Fire hazard	- On combustion, forms: carbon oxides (CO and CO <sub>2</sub> ).
Explosion hazard	- None known.
Hazardous decomposition products in case of fire	- Toxic fumes may be released. Thermal decomposition may produce : Carbon oxides (CO, CO <sub>2</sub> )

#### 5.3. Special protective equipment and precautions for fire-fighters

Firefighting instructions	- Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
Protection during firefighting	- Do not enter fire area without proper protective equipment, including respiratory protection. Complete protective clothing.

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

##### 6.1.1. For non-emergency personnel

Protective equipment	- Wear recommended personal protective equipment. For further information refer to section 8: "Exposure controls/personal protection".
Emergency procedures	- Avoid breathing dust.

##### 6.1.2. For emergency responders

Protective equipment	- Wear recommended personal protective equipment. For further information refer to section 8: "Exposure controls/personal protection".
Emergency procedures	- Avoid breathing dust.

#### 6.2. Environmental precautions

Avoid discharge to the environment.

#### 6.3. Methods and material for containment and cleaning up

For containment	- Contain and collect as any solid.
Methods for cleaning up	- Mechanically recover the product. Minimize generation of dust. Store away from other materials.
Other information	- Dispose of materials or solid residues at an authorized site.

#### 6.4. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection". For disposal of residues refer to section 13 : "Disposal considerations".

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### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

Precautions for safe handling	- Ensure good ventilation of the work station. Use care during processing to minimize generation of dust..
Hygiene measures	- Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Do not eat, drink or smoke when using this product. Use good personal hygiene practices.

#### 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions	- Keep only in the original container in a cool well ventilated place. Keep container closed when not in use. Store in a well-ventilated place.
Incompatible materials	- Oxidizing agent.

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

##### Kingspan OPTIM-R® E

No additional information available

#### Monitoring methods

Monitoring methods	No additional information available.
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#### 8.2. Appropriate engineering controls

Appropriate engineering controls	- Ensure good ventilation of the work station.
Environmental exposure controls	- Avoid discharge to the environment.

#### 8.3. Individual protection measures/Personal protective equipment

<b>Hand protection:</b>	<b>Eye protection:</b>	<b>Respiratory protection:</b>
Use loose-fitting rubber or leather gloves	In case of dust production: protective goggles	Dust formation: dust mask

#### Other information:

Do not eat, drink or smoke during use.

### SECTION 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

Physical state	- Solid
Appearance	- Panels
Color	- Grey
Odour	- Oderless
Odor threshold	- No data available
pH	- No data available
Melting point	- No data availabl
Freezing point	- No data available
Boiling point	- No data available
Flash point	- Not applicable
Relative evaporation rate (butyl acetate=1)	- No data available
Flammability (solid, gas)	- Non flammable.
Vapor pressure	- No data available
Relative vapor density at 20°C	- No data available
Relative density	- No data available
Solubility	- Insoluble in water.
Partition coefficient n-octanol/water (Log Pow)	- No data available
Auto-ignition temperature	- Not applicable
Decomposition temperature	- No data available
Viscosity, kinematic	- Not applicable
Viscosity, dynamic	- No data available
Explosion limits	- Not applicable
Explosive properties	- No data available
Oxidizing properties	- No data available

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### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

### 10.2. Chemical stability

Stable under normal conditions. None under recommended storage and handling conditions (see section 7).

### 10.3. Possibility of hazardous reactions

Stable under normal conditions. None under recommended storage and handling conditions (see section 7).

### 10.4. Conditions to avoid

Avoid heat sources, sparks, or flames.

### 10.5. Incompatible materials

Oxidizing agent.

### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced. Thermal decomposition may produce : Carbon oxides (CO, CO<sub>2</sub>).

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity (oral)	- Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (dermal)	- Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (inhalation)	- Not classified (Based on available data, the classification criteria are not met)
Skin corrosion/irritation	- Not classified (Based on available data, the classification criteria are not met)
Serious eye damage/irritation	- Not classified (Based on available data, the classification criteria are not met)
Respiratory or skin sensitization	- Not classified (Based on available data, the classification criteria are not met)
Germ cell mutagenicity	- Not classified (Based on available data, the classification criteria are not met)
Carcinogenicity	- Not classified (Based on available data, the classification criteria are not met)
Reproductive toxicity	- Not classified (Based on available data, the classification criteria are not met)
STOT-single exposure	- Not classified (Based on available data, the classification criteria are not met)
STOT-repeated exposure	- Not classified (Based on available data, the classification criteria are not met)
Aspiration hazard	- Not classified (Based on available data, the classification criteria are not met)
Viscosity, kinematic	- Not applicable
Symptoms/effects	- Not expected to present a significant inhalation hazard under anticipated conditions of normal use. Normal use of this product shall imply use in accordance with the instructions on the packaging.

Other information - Likely routes of exposure: ingestion, inhalation, skin and eye.

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - general - This product does not present any particular risk for the environment.

### 12.2. Persistence and degradability

#### Kingspan OPTIM-R® E

Persistence and degradability	Not established.
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### 12.3. Bioaccumulative potential

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Bioaccumulative potential | Not established.

#### 12.4. Mobility in soil

No additional information available

#### 12.5. Other adverse effects

Effect on the ozone layer | - No additional information available  
 Other information | - Avoid release to the environment.

### SECTION 13: Disposal considerations

#### 13.1. Disposal methods

Waste treatment methods | - Dispose of contents/container in accordance with licensed collector's sorting instructions.  
 Product/Packaging disposal recommendations | - Dispose in a safe manner in accordance with local/national regulations.  
 Ecology - waste materials | - Avoid release to the environment.

### SECTION 14: Transport information

In accordance with DOT /TDG /IMDG /IATA

	DOT	TDG	IMDG	IATA
<b>14.1. UN number</b>				
Not regulated as a dangerous good for transport.				
<b>14.2. Proper Shipping Name</b>				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
<b>14.3. Transport hazard class(es)</b>				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
<b>14.4. Packing group</b>				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
<b>14.5. Environmental hazards</b>				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated

No supplementary information available

#### 14.6. Special precautions for user

DOT  
Not regulated

TDG  
Not regulated

IMDG  
Not regulated

IATA  
Not regulated

#### 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

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### SECTION 15: Regulatory information

#### 15.1. US Federal regulations

No additional information available

#### 15.2. International regulations

No additional information available

#### 15.3. US State regulations

No additional information available

### SECTION 16: Other information

according to US HazCom 2012

Revision date

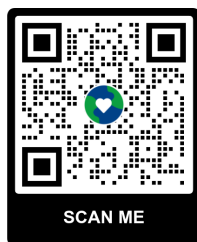
- 31 October 2023

Other information

- None.

Safety Data Sheet (SDS), USA

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.



SCAN ME

Please scan the QR code for the most recent product information.

For more information on specific building product recommendations and installation guidelines, contact your Kingspan Insulation LLC representative.

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