

# SAFETY DATA SHEET

## 1. PRODUCT AND COMPANY IDENTIFICATION

Product Name : ISOBAM-04, 06, 10, 18  
Supplier : Kuraray Co., Ltd., Elastomer Division, Polymer Marketing & Sales Department  
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## 2. HAZARDS IDENTIFICATION

### GHS CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

#### PHYSICAL HAZARDS

- |  |                             |
|--|-----------------------------|
| • Explosives   | Not applicable              |
| • Flammable gases  | Not applicable              |
| • Flammable aerosols   | Not applicable              |
| • Oxidizing gases  | Not applicable              |
| • Gases under pressure   | Not applicable              |
| • Flammable liquids  | Not applicable              |
| • Flammable solids   | Classification not possible |
| • Self-reactive substances and mixtures  | Not applicable              |
| • Pyrophoric liquids   | Not applicable              |
| • Pyrophoric solids  | Not classified              |
| • Self-heating substances and mixtures   | Not classified              |
| • Substances and mixture which,<br>In contact with water, emit flammable gases | Not applicable              |
| • Oxidizing liquids  | Not applicable              |
| • Oxidizing solids   | Not applicable              |
| • Organic peroxides  | Not applicable              |
| • Corrosive to metals  | Not classified              |

#### HEALTH HAZARDS

- |   |                             |
|---|-----------------------------|
| • Acute toxicity (oral)                   | Category 5                  |
| • Acute toxicity (skin)                   | Classification not possible |
| • Acute toxicity (inhalation: gas)        | Not applicable              |
| • Acute toxicity (inhalation: vapour)     | Classification not possible |
| • Acute toxicity (inhalation: dust, mist) | Classification not possible |
| • Skin corrosion / irritation             | Classification not possible |
| • Serious eye damages / eye irritation    | Classification not possible |
| • Respiratory sensitization               | Classification not possible |
| • Skin sensitization                      | Classification not possible |
| • Germ cell mutagenicity                  | Classification not possible |

- Carcinogenicity Classification not possible
- Reproductive toxicity Category 2
- Specific target organ toxicity; single exposure Classification not possible
- Specific target organ toxicity; repeated exposure Classification not possible
- Aspiration hazard Classification not possible

#### ENVIRONMENTAL HAZARDS

- Aquatic toxicity (acute) Classification not possible
- Aquatic toxicity (chronic) Classification not possible

#### GHS LABEL ELEMENTS INCLUDING PRECAUTIONARY STATEMENTS

##### SYMBOL:



SIGNAL WORD: Warning

HAZARD STATEMENT: Suspected of damaging fertility or the unborn child.

##### PRECAUTIONARY STATEMENTS

###### [Prevention]

- Obtain special instructions before use.
- Do not handle until all safety precautions have been read and understood.
- Use personal protective equipment as required.

###### [Response]

- If exposed or concerned: Get medical advice/attention.

###### [Storage]

- Store locked up.

###### [Disposal]

- Dispose of contents / container to waste in accordance with local / regional / national/ international regulations (to be specified).

### **3. COMPOSITION / INFORMATION ON INGREDIENTS**

Substance / Preparation : Substance

Chemical nature : Alternative copolymer of isobutylene and maleic anhydride

Chemical name	Concentration	CAS No.
2,5-furandion,polymer with 2-methyl-1-propene	96%<	26426-80-2
Volatile components (Water and Others)	4%>	-

### **4. FIRST-AID MEASURES**

Eye Contact :

Gently rinse the eyes with water for at least 15 minutes. Get medical attention if eye irritation develops or persists.

**Skin Contact :**

Not ordinarily expected in contact at normal temperature. If contact with hot material, cool the burn area by flushing with large amounts of water and get medical treatment.

**Inhalation :**

If gas or dust generated in process is inhaled, remove person to fresh air. If signs/symptoms continue, get medical attention.

**Ingestion :**

Rinse mouth with water and get medical advice. Do not induce vomiting.

## **5. FIRE-FIGHTING MEASURES**

**Specific Hazards :**

Not flammable but will burn. Toxic gases (carbon monoxide) may form when burned without sufficient oxygen.

**Extinguishing Media :**

Use water, fog, foam, dry chemical powder or CO<sub>2</sub>.

**Specific methods :**

Keep personnel removed from and upwind of fire. Cool fire exposed containers with water.

**Protections of fire-fighters :**

Firefighters should wear proper protective equipment(helmet with face shield, bunker coats, gloves and rubber boots), including a positive pressure NIOSH approved self-contained breathing apparatus.

## **6. ADDITIONAL RELEASE MEASURES**

**Method for Cleaning up :**

Normal procedures for clean-up. Use good housekeeping practices. Shovel and sweep up or use industrial vacuum cleaner. Put into containers for reclaiming or disposal.

**Personal Precaution :**

Wear appropriate respiratory protection and protective clothing as described in section 8.

## **7. HANDLING AND STORAGE**

**Handling :**

Do not use near open flames. Avoid breathing vapors from heated materials. Adequate ventilation and/or engineering control must be employed in high temperature processing. If dust is created in processing, ground facilities to prevent static sparks and remove ignition sources.

**Storage :**

Store in a cool, dry, well ventilated location.

## **8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

#### Control Parameters

Comp.	OSHA	ACGIH
No.	PEL/TWA PEL/CEILING TVL/TWA	TLV/STEL Other
P	None established	

#### Respiratory Protection :

If engineering controls do not maintain their performance to a level that is adequate to protect worker health, a NIOSH-approved respirator should be worn. In accordance with 29 CFR 1910.134, use either an atmosphere-supplying respirator or an air-purifying respirator for organic vapors and dusts.

#### Protective Clothing :

Safety glasses and protective clothing should be worn when product is heated in processing.

#### Additional Protective Measures :

Adequate ventilation and/or engineering controls are required when product is heated in processing.

## **9. PHYSICAL AND CHEMICAL PROPERTIES**

Boiling Point (deg. F)	:	None
Melting Point (deg. F)	:	None
Flash Point	:	None
Flammable Limits/Percent Volume in Air	Lower :	None Higher : None
Specific Gravity (H <sub>2</sub> O=1)	:	1.3
Solubility in Water	:	None
Vapor Pressure (mm Hg)	:	None
Vapor Density (Air=1)	:	None
Evaporation Rate (Butyl Acetate = 1)	:	None
Appearance and Odor	:	White powder, essentially odorless.

## **10. STABILITY AND REACTIVITY**

#### Stability :

This product is considered a stable material under normal and anticipated storage and handling conditions.

#### Conditions and Materials to Avoid :

Rainwater, the direct rays of the sun, open flame and etc.

#### Hazardous Decomposition Products :

Not available

## **11. TOXICOLOGICAL INFORMATION**

No.	Acute Oral LD <sub>50</sub>	Acute Dermal LD <sub>50</sub>	Acute Inhalation LC <sub>50</sub>	Ames Test
P	2,000mg/kg< (ISOBAM-04,Rat)	Not Available	Not Available	Not Available

## **12. ECOLOGICAL INFORMATION**

All evidence indicates that large polymer molecules are not biologically active.

## **13. DISPOSAL CONSIDERATIONS**

Waste Disposal :

All recovered material should be disposed of or reclaimed in conformance with applicable laws and regulations and in conformance with good engineering practices.

## **14. TRANSPORT INFORMATIONS**

Department of Transportation Classification : Not hazardous by D.O.T. regulations

DOT Proper Shipping Name : Not applicable

UN Classification Number : Non regulated commodity

## **15. REGULATORY INFORMATION**

TSCA Inventory (USA) : 26426-80-2

DSL (Canada) : 26426-80-2

EINECS (EU) : Polymer Exempt (Monomer listed)

AICS (Australia) : 26426-80-2

ECL (Korea) : KE-17344

IECSC (China) : 26426-80-2

PICCS (Philippines) : Not listed (Monomer listed)

ENCS (Japan) : 6-1102

## **16. OTHER INFORMATION**

All data presented here in is based on actual measurements performed by Kuraray Co., Ltd. All information contained herein is presented in good faith and without warranty.

For medical, healthcare and food contact applications, please contact us for specific recommendations. This product should not be used in any devices or materials intended for implantation in the human body.

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