

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

## JBS Magic Triangle

### 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Product Name: JBS Magic Triangle  
Catalog Number: PK-104  
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### 2. HAZARDS IDENTIFICATION

#### Classification according to Regulation (EC) No 1272/2008 [EU-GHS/CLP]

Skin corrosion (Category 1B) H314  
Skin sensitisation (Category 1) H317  
Respiratory sensitisation (Category 1) H334

#### Label elements



Pictogram

Signal word Danger

#### Hazard statement(s)

H314 Causes severe skin burns and eye damage.  
H317 May cause an allergic skin reaction.  
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

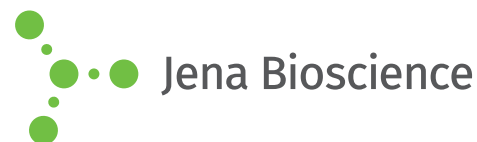
#### Precautionary statement(s)

P261 Avoid breathing dust.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P303+P361+P353 IF ON SKIN: Take off immediately all contaminated clothing. Rinse skin with water/shower.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P342+P311 If experiencing respiratory symptoms: Call a POISON CENTER/doctor.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

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The hazards identified with this kit are those associated with

- 1) 5-Amino-2,4,6-triiodoisophthalic acid: CAS# 35453-19-1
- 2) Lithium hydroxide monohydrate: CAS# 1310-66-3, Concentration 8.4 % (2 M)

### 4. FIRST AID MEASURES

#### If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

#### In case of skin contact

Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water. Consult a physician.

#### In case of eye contact

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

#### If swallowed

Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

#### Most important symptoms and effects, both acute and delayed

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

### 5. FIRE-FIGHTING MEASURES

#### Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

#### Special hazards arising from the substance or mixture

Carbon oxides, nitrogen oxides (NO<sub>x</sub>), Hydrogen iodide, Lithium oxides.

#### Special protective equipment for fire-fighters

Wear self contained breathing apparatus for fire fighting if necessary.

### 6. ACCIDENTAL RELEASE MEASURES

#### Personal precautions

Use personal protective equipment. Avoid dust formation. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Avoid breathing dust. For personal protection see section 8.

#### Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

#### Methods and materials for containment and cleaning up

Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

### 7. HANDLING AND STORAGE

#### Handling

Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.

#### Storage

Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

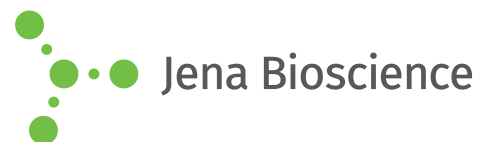
Recommended storage temperature: store at ambient temperature

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product.

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### Personal protective equipment

#### Respiratory protection

Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

#### Hand protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

#### Eye protection

Safety glasses with side-shields conforming to EN166. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Appearance

Form: 5-Amino-2,4,6-triiodoisophthalic acid: beige to slightly pink or brown powder  
2 M Lithium hydroxide solution: liquid

### Safety data

pH:  
Melting point: no data available  
Boiling point: no data available  
Flash point: no data available  
Ignition temperature: no data available  
Lower explosion limit: no data available  
Upper explosion limit: no data available

## 10. STABILITY AND REACTIVITY

### Storage stability

Stable under recommended storage conditions.

### Materials to avoid

Strong oxidizing agents, Acids, Aluminum, Zinc.

### Hazardous decomposition products

no data available

## 11. TOXICOLOGICAL INFORMATION

### Acute toxicity

no data available

### Irritation and corrosion

no data available

### Sensitisation

no data available

### Germ cell mutagenicity

no data available

### Signs and Symptoms of Exposure

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no data available

### 12. ECOLOGICAL INFORMATION

#### Toxicity

no data available

#### Elimination information (persistence and degradability)

no data available

### 13. DISPOSAL CONSIDERATIONS

#### Product

Observe all federal, state, and local environmental regulations.

#### Contaminated packaging

Dispose of as unused product.

### 14. TRANSPORT INFORMATION

#### UN number/ Proper shipping name

ADR/RID:	UN 2679 Lithium hydroxide solution
IMDG:	UN 2679 Lithium hydroxide solution
IATA:	UN 2679 Lithium hydroxide solution

#### Transport hazard class(es)

ADR/RID:	8
IMDG:	8
IATA:	8

#### Packaging group

ADR/RID:	II
IMDG:	II
IATA:	II

#### Environmental hazards

ADR/RID:	no
IMDG:	no
IATA:	no

### 15. REGULATORY INFORMATION

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

### 16. OTHER INFORMATION

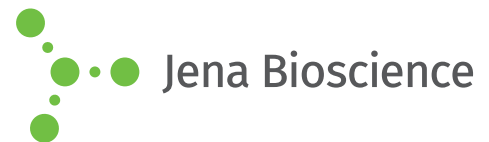
#### Further information

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The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product.

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