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#### **SAFETY DATA SHEET**

# HELENA LABORATORIES 1530 Lindbergh Dr. Beaumont, TX 77707 USA Toll Free 800-231-5663

DATE PREPARED: 2/6/2024

**REVISION: 3** 

### 1. IDENTIFICATION

**Product Number:** 5041

**Product identifier used on the label:** o-Tolidine

Other means of identification:

Component Name	Component Number
o-Tolidine	5041

**Recommended use of the chemical and restrictions in use:** For In-Vitro Diagnostic use.

Name, address, and telephone number of the chemical manufacturer, importer, or other responsible party:

Helena Laboratories 1530 Lindbergh Dr. Beaumont, TX 77707 Tel: (409) 842-3714

USE Toll Free 800-231-5663

**Emergency phone number:** 

(409) 842-3714

## 2. HAZARD IDENTIFICATION

## Classification of the chemical:

Component Name	GHS Classification	Hazard Statement
o-Tolidine	Acute Toxicity, Oral (Category 4)	Harmful if swallowed
	Cancirogenicity (Category 1B)	May cause cancer

## **Label elements:**

Signal word: Danger

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Precautionary statements: Harmful if swallowed. May cause cancer.

Wear protective gloves/protective clothing/eye and face protection.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Component Name	Chemical Name	CAS#	Concentration
o-Tolidine	3,3'-Dimethlybenzidine	119-93-7	95%

### 4. FIRST AID MEASURES

### **Description of first aid measures:**

**Inhalation:** Move to fresh air. If breathing is difficult, give oxygen. Consult a physician.

**Skin contact:** Wash off with soap and plenty of water. Consult a physician.

**Eye contact:** Flush eyes with plenty of water. Obtain medical attention.

**Ingestion:** Do not induce vomiting. Consult a physician.

#### 5. FIREFIGHTING MEASURES

**Extinguishing media:** Water spray, dry chemical, carbon dioxide or chemical foam.

**Special hazards arising from the substance or mixture:** Carbon oxide, nitrogen oxides.

**Special protective equipment and precautions for firefighters:** Wear proper protective equipment and self contained breathing apparatus for firefighting if necessary.

## **6. ACCIDENTAL RELEASE MEASURES**

**Personal precautions, protective equipment, and emergency procedures:** Wear protective equipment.

**Methods and materials for containment and cleaning up:** Pick up and transfer to container for proper disposal. Do not let product enter the drains.

### 7. HANDLING AND STORAGE

**Precautions for safe handling:** Wear personal protective equipment, avoid contact with skin and eyes.

**Conditions for safe storage, including any incompatibilities:** Store as per specified instructions.

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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

## Exposure limits (ACGIH TLV & OSHA PEL):

Chemical Name	ACGIH TLV	OSHA PEL
3,3'-Dimethlybenzidine	Skin	None listed

**Exposure controls:** 

**Respiratory protection:** NIOSH/MSHA approved.

**Skin protection:** Wear appropriate protective gloves and suitable protective clothing.

**Eye protection:** Wear appropriate safety glasses or goggles.

**Hygiene measures:** Handle in accordance with good industrial hygiene and safety practice.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Light brown powder

Odor: No data available

Odor threshold: No data available

pH: No data available

**Melting point/Freezing point:** 125-132°C (257-269.6°F)

**Initial boiling point and range:** 300.5° (572.9°F)

**Flash point:** 244°C (471.2°F)

**Evaporation rate:** No data available

Flammability (solid, gas): No data available

**Upper/lower flammability or explosive limits:** No data available

**Vapor pressure:** No data available

Relative density: No data available

Solubility in water: Soluble

Partition coefficient: n-octanol/water: No data available

**Auto-ignition temperature:** No data available

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**Decomposition temperature:** No data available

**Viscosity:** No data available

### 10. STABILITY AND REACTIVITY

**Reactivity:** No data available

**Chemical stability:** Stable under recommended storage condition.

**Possibility of hazard reaction:** Hazardous polymerization does not occur.

**Conditions to avoid:** No data available.

**Incompatible materials:** Strong oxidizing agents.

**Hazard decomposition products:** Hazard decomposition products formed under fire conditions:

Carbon oxides, nitrogen oxides.

### 11. TOXICOLOGICAL INFORMATION

## Information on likely routes of exposure:

LD50 Oral - Rat - 404 mg/kg

Potential health effects:

Skin: Irritant.

Eye: Irritant.

Ingestion: Harmful if swallowed

**Inhalation:** May be harmful if inhaled.

Carcinogenicity: This is or contains a component that has been reported to be carcinogenic based on

its ACGIH, IARC, and NTP classification.

Possible human carcinogen.

## 12. ECOLOGICAL INFORMATION

**Eco-toxicity:** No data available

Persistence and degradability: No data available

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Bio-accumulative potential: No data available

Mobility in soil: No data available

Other adverse effects: No data available

## 13. DISPOSAL CONSIDERATION

Observe all federal, state and local regulations.

## 14. TRANSPORT INFORMATION

**DOT (US):** Regulated as hazardous material during transportation.

**UN number:** 

**UN proper shipping name:** 

**Transport hazard class:** 

Packing group:

### 15. REGULATORY INFORMATION

**US State Right to Know Laws:** 

**California Proposition 65:** This product contains a chemical known to the State of California to

cause cancer.

### **16. OTHER INFORMATION**

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Revision #: 3

Disclaimer

The above information is believed to be correct but does not purport to be all-inclusive and shall be used only as a guide. Helena Laboratories shall not be held liable for any damage resulting from handling or from contact with the above product.