# Avocado Research Chemicals Ltd - Material Safety Data Sheet 13063

### 1. IDENTIFICATION OF SUBSTANCE AND SUPPLIER

Name On Label 2,4,6-Trimethyl-m-phenylenediamine

Product Number 13063

Supplier Johnson Matthey Catalog Company Inc.

30 Bond Street, Ward Hill, Massachusetts, 01835-8099

Emergency Telephone Number: (978) 521-6300; CHEMTREC: (800) 424-9300

**Alternative Names** 2,4-Diamino-1,3,5-trimethylbenzene; 2,4-Diaminomesitylene

### 2. COMPOSITION AND INFORMATION ON COMPONENTS

Name 2,4,6-Trimethyl-m-phenylenediamine

Minor Impurities Not determined

**CAS No.** 3102-70-3 **EINECS No.** 2214569 **EEC No.** 

### 3. HAZARDS IDENTIFICATION

**Designation** HARMFUL ~ IRRITANT

**Risk Phrases** R20/21/22 Harmful by inhalation, in contact with skin and if swallowed.

R36/37/38 Irritating to eyes, respiratory system and skin.

### 4. FIRST AID MEASURES

**Inhalation** Remove to fresh air. If breathing is difficult give oxygen and seek medical attention.

Eye Contact Flush with copious amounts of water for at least 15 minutes. If irritation persists, seek medical

attention.

Skin Contact Remove contaminated clothing. Wash affected area with soap and water. Rinse thoroughly. If

irritation persists or other symptoms are observed, seek medical advice.

Ingestion Rinse out mouth and drink lots of water. In case of irritation or other symptoms, seek medical

attention.

#### 5. FIRE FIGHTING MEASURES

may be involved. In general, water-based extinguishers should not be used for fires involving

organic materials. Use carbon dioxide or dry powder.

**Protective Equipment** Wear self-contained breathing apparatus and protective clothing.

Hazardous Products of Combustion may include: carbon monoxide, carbon dioxide, oxides of nitrogen, nitric acid, hydrogen

cyanide.

## 6. ACCIDENTAL RELEASE MEASURES

Personal Protection Avoid inhalation or contact of spilled material with skin or clothing. Wear protective equipment

including rubber gloves, and eye protection. Keep unprotected persons away.

Environmental Protection Take precautions to ensure product does not contaminate the ground or enter the drainage system.

Collection Mix with vermiculite or proprietary absorbent material and transfer to sealed containers for disposal.

### 7. HANDLING AND STORAGE

**Handling** Chemicals should be used only by those trained in handling potentially hazardous materials. Rubber

gloves, eye protection and protective clothing should be worn. Operations should be carried out in

an efficient fume hood or equivalent system.

Storage Store in tightly sealed containers in a cool place.

Protect from moisture.

### 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

**Respiratory** Avoid inhalation of product. Handle in an efficient fume hood or equivalent system.

**Eye** Avoid eye contact. Wear safety spectacles, goggles or, for larger quantities, a full face mask. **Hands and Body** Irritant product. Avoid skin contact. Wear rubber gloves, protective clothing and, for larger

quantities, full arm, body and face protection. Wash hands thoroughly after handling.

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# 13063 continued.

# 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance
Physical Constants
Molecular formula

Brown powder m.p. 90-91° C<sub>9</sub>H<sub>14</sub>N<sub>2</sub>

Water solubility Flash Point C<sub>9</sub>H<sub>14</sub>N<sub>2</sub> Formula Wt. 150.23 Density Not available

Not available

### 10. STABILITY AND REACTIVITY

Specific Hazard

Incompatibilities

Strong oxidising agents.

**Decomposition**Hazardous products of dec

Hazardous products of decomposition may include: carbon monoxide, carbon dioxide, oxides of

nitrogen, nitric acid, hydrogen cyanide.

## 11. TOXICOLOGICAL INFORMATION

**RTECS No.** CZ1607000

**Acute Toxicity** LD<sub>50</sub>: LDLo ORL-RAT 630mg/kg

Harmful by inhalation, in contact with skin and if swallowed. Irritating to eyes, respiratory system and

skin.

### 12. ECOLOGICAL EFFECTS

General Take care to prevent chemicals from entering the ground, water courses or drainage systems.

### 13. DISPOSAL CONSIDERATIONS

Disposal Disposal should be via an approved contractor and should take full account of local regulations.

# 14. TRANSPORT INFORMATION

UN Number 1673

Land TransportADR/RIC Code/Class6.1Packing Group IIIMaritime TransportIMDG Code/Class6.1Packing Group IIIAir TransportIATA Code/Class6.1Packing Group III

### 15. REGULATORY INFORMATION

CAS No. 3102-70-3 EINECS No. 2214569 EEC No. UN No. 1673 RTECS No. CZ1607000

Hazard Indication HARMFUL ~ IRRITANT

Risk & Safety Phrases Harmful by inhalation, in contact with skin and if swallowed.

Irritating to eyes, respiratory system and skin.

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

Wear suitable protective clothing.

TSCA Not listed. For research and development use only.

# **16. OTHER INFORMATION**

It must be recognised that the physical and chemical properties of any product may not be fully understood and that new, possibly hazardous products may arise from reactions between chemicals. The information given in this data sheet is based on our present knowledge and shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Date of Last Review:3rd August 1998Date Printed:18th September 1998