Avocado Research Chemicals Ltd - Material Safety Data Sheet 22161

1. IDENTIFICATION OF SUBSTANCE AND SUPPLIER

Name On Label Cyclopentyl chloroformate

Product Number

22161

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 Chloroformic acid cyclopentyl ester

2. COMPOSITION AND INFORMATION ON COMPONENTS

Name Cyclopentyl chloroformate

Minor Impurities Not determined

CAS No. 50715-28-1 EINECS No. Not listed EEC No.

3. HAZARDS IDENTIFICATION

Designation TOXIC ~ CORROSIVE ~ LACHRYMATORY

Risk Phrases R34 Causes burns.

R23/24/25 Toxic by inhalation, in contact with skin and if swallowed.

4. FIRST AID MEASURES

InhalationRemove to fresh air. If breathing is difficult give oxygen and seek medical attention.Eye ContactFlush with copious amounts of water for at least 15 minutes. Seek urgent medical attention.Skin ContactRemove contaminated clothing. Wash affected area with soap and water. Rinse thoroughly. In

case of skin damage seek urgent medical advice. Show the physician the container details.

Ingestion Rinse out mouth and drink lots of water. Seek medical attention and show physician the container

details

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, hydrogen chloride (hydrochloric acid).

6. ACCIDENTAL RELEASE MEASURES

Personal Protection Avoid inhalation or contact of vapour with eyes. Wear protective equipment including rubber gloves,

safety goggles or breathing equipment. Keep unprotected persons away.

Environmental Protection

Collection

Take precautions to ensure product does not contaminate the ground or enter the drainage system. 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 refrigerator or cold room at 5 degrees centigrade or below.

Product reacts with water. Take precautions to avoid contact with atmospheric 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 Corrosive product. Avoid skin contact. Wear corrosive-resitant gloves and, for larger quantities, full

arm and body protection. Wash hands thoroughly after handling.

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22161 continued.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Physical Constants

b.p. 69-71°/25mm

Not available

Molecular formula Water solubility Flash Point C₆H₉ClO₂ Formula Wt.

Formula Wt. 148.59
Density Not available

10. STABILITY AND REACTIVITY

Specific Hazard

Incompatibilities

Acids. Moisture.

DecompositionHazardous prod

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

chloride (hydrochloric acid).

11. TOXICOLOGICAL INFORMATION

RTECS No.

Not listed

Acute Toxicity

LD₅₀: Not available

Causes burns. Toxic by inhalation, in contact with skin and if swallowed.

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

Land Transport Maritime Transport Air Transport ADR/RIC Code/Class IMDG Code/Class IATA Code/Class Packing Group III Packing Group III Packing Group III

15. REGULATORY INFORMATION

CAS No. 50715-28-1

EINECS No. Not listed EEC No.

UN No. None RTECS No. Not listed

Hazard Indication

TOXIC ~ CORROSIVE ~ LACHRYMATORY

Risk & Safety Phrases Causes burns

Toxic by inhalation, in contact with skin and if swallowed.

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

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

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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: 1st June 2000 Date Printed: 13th November 2000