

Alfa Aesar/Avocado Organics – Material Safety Data Sheet A10559

1. IDENTIFICATION OF SUBSTANCE AND SUPPLIER Name On Label : Methyl iodide

Product Number : A10559

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 : Iodomethane

2. COMPOSITION AND INFORMATION ON COMPONENTS Name : Methyl iodide

Minor Impurities : Not determined

CAS Number : 74–88–4

EINECS Number : 2008195

EEC Number :

3. HAZARDS IDENTIFICATION Designation :

VERY TOXIC ~ POSSIBLE CARCINOGEN

Risk Phrases

R26/27/28 Very toxic by inhalation, in contact with skin and if swallowed.

R37/38 Irritating to respiratory system and skin.

R40 Possible risk of irreversible effects.

4. FIRST AID MEASURES Inhalation

Remove to fresh air. Seek medical attention. Show the physician the container details.

Eye Contact

Flush with copious amounts of water for at least 15 minutes. Seek medical advice. Show the physician the container details.

Skin Contact

Remove contaminated clothing. Wash affected area with soap and water. Rinse thoroughly. Seek medical advice. Show the physician the container details.

Ingestion

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

5. FIRE FIGHTING MEASURES Extinguishing Medium

Use fire fighting measures which suit the environment and take into account other materials which 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 iodide (hydriodic acid).

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.

Material is sensitive to light.

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 or goggles.

Hands and Body

Avoid skin contact. Wear rubber gloves and protective clothing. Wash hands thoroughly after handling.

9. PHYSICAL AND CHEMICAL PROPERTIES Appearance : Colorless liquid

Physical Constants: b.p. 41–43°

Molecular Formula : CH₃I

Formula Weight : 141.94

Water Solubility : SI sol

Density : 2.28

Flash Point : Not available

10. STABILITY AND REACTIVITY Specific Hazard

Incompatibilities

Strong bases. Strong oxidising agents.

Decomposition

Hazardous products of decomposition may include:

carbon monoxide, carbon dioxide, hydrogen iodide (hydriodic acid).

11. TOXICOLOGICAL INFORMATION RTECS Number : PA9450000

Acute Toxicity

LD₅₀ : LC₅₀ IHL–RAT 1300mg/m³/4H

Very toxic by inhalation, in contact with skin and if swallowed. Irritating to respiratory system and skin. Possible risk of irreversible effects.

Chronic Toxicity

Possible carcinogen. Possible mutagen. May cause damage to the central nervous system. May cause damage to the liver and kidneys.

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 : 2644

Land Transport

ADR/RIC Code/Class: 6.1 /Packing Group I

Maritime Transport IMDG Code/Class : 6.1 /Packing Group I

Air Transport IATA Code/Class : 6.1 /Packing Group I

15. REGULATORY INFORMATION CAS Number : 74–88–4

EINECS Number : 2008195

EEC Number :

UN Number : 2644

RTECS Number : PA9450000

Hazard Indication :

VERY TOXIC ~ POSSIBLE CARCINOGEN

Carcinogenicity :

IARC listed animal carcinogen and NTP listed as reasonably anticipated to be a carcinogen.

Risk and Safety Phrases

Very toxic by inhalation, in contact with skin and if swallowed.

Irritating to respiratory system and skin.

Possible risk of irreversible effects.

Wear suitable protective clothing and gloves.

In case of insufficient ventilation, wear suitable respiratory equipment.

If you feel unwell, seek medical advice (show the label where possible).

TSCA: Listed substance.

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

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product features and shall not establish a legally valid contractual relationship.

Date of Last Review: 3rd August 1998

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