

Avocado Research Chemicals Ltd - Material Safety Data Sheet 18158

1. IDENTIFICATION OF SUBSTANCE AND SUPPLIER			
Name On Label	Cadmium, mossy, 99.7%		
Product Number	18158		
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	None in common use.		
2. COMPOSITION AND INFORMATION ON COMPONENTS			
Name	Cadmium, mossy, 99.7%		
Minor Impurities	Not determined		
CAS No.	7440-43-9	EINECS No. 2311528	EEC No.
3. HAZARDS IDENTIFICATION			
Designation	VERY TOXIC ~ POSSIBLE CARCINOGEN		
Risk Phrases	R26/27/28 Very toxic by inhalation, in contact with skin and if swallowed. R45 May cause cancer.		
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:	None listed.		
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 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 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 or goggles.		
Hands and Body	Avoid skin contact. Wear rubber gloves and protective clothing. Wash hands thoroughly after handling.		

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18158 continued.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Silver-white solid		
Physical Constants	Not available		
Molecular formula	Cd	Formula Wt.	112.40
Water solubility	Insol	Density	8.69
Flash Point	Not available		

10. STABILITY AND REACTIVITY

Specific Hazard

Incompatibilities	Acids. Oxidising agents. Potassium.
Decomposition	Hazardous products of decomposition may include: None listed.

11. TOXICOLOGICAL INFORMATION

RTECS No.	EU9800000
Acute Toxicity	LD ₅₀ : ORL-RAT 2330mg/kg Very toxic by inhalation, in contact with skin and if swallowed. May cause cancer.
Special Note	Symptoms of exposure may include stomach pains, vomiting and diarrhoea. Symptoms of exposure may include lung irritation, chest pain and oedema which may be fatal.
Chronic Toxicity	Carcinogen. May cause damage to the lungs May cause damage to the kidneys.

12. ECOLOGICAL EFFECTS

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

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

UN Number	2570		
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 No. 7440-43-9	EINECS No. 2311528	EEC No.	UN No. 2570	RTECS No. EU9800000
Hazard Indication	VERY TOXIC ~ POSSIBLE CARCINOGEN			
Risk & Safety Phrases	Very toxic by inhalation, in contact with skin and if swallowed. May cause cancer. 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. If you feel unwell, seek medical advice (show the label where possible). Avoid exposure - obtain special instructions before use.			
Carcinogenicity	IARC listed human carcinogen and NTP listed as reasonably anticipated to be a carcinogen.			
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 product features and shall not establish a legally valid contractual relationship.

Date of Last Review: 3rd August 1998

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