

Avocado Research Chemicals Ltd - Material Safety Data Sheet 22838

1. IDENTIFICATION OF SUBSTANCE AND SUPPLIER			
Name On Label	Hydrogen tetrachloroaurate(III) hydrate		
Product Number	22838		
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	Chloroauric acid; Tetrachloroauric acid		
2. COMPOSITION AND INFORMATION ON COMPONENTS			
Name	Hydrogen tetrachloroaurate(III) hydrate		
Minor Impurities	Not determined		
CAS No.	16903-35-8	EINECS No. Not listed	EEC No.
3. HAZARDS IDENTIFICATION			
Designation	CORROSIVE		
Risk Phrases	R34 Causes burns.		
4. FIRST AID MEASURES			
Inhalation	Remove to fresh air. In cases of serious discomfort seek medical attention.		
Eye Contact	Flush with copious amounts of water for at least 15 minutes. Seek urgent medical attention.		
Skin Contact	Remove 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. In case of tissue damage or other symptoms, seek medical attention.		
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:	hydrogen chloride (hydrochloric 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 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. Product is very hygroscopic. Take precautions to avoid contact with atmospheric 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, goggles or, for larger quantities, a full face mask.		
Hands and Body	Corrosive product. Avoid skin contact. Wear corrosive-resistant gloves and, for larger quantities, full arm and body protection. Wash hands thoroughly after handling.		

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22838 continued.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance**Physical Constants**

Not available

Molecular formulaHAuCl₄.xH₂O**Formula Wt.**

339.79 (anhydrous)

Water solubility**Density**

Not available

Flash Point

Not available

10. STABILITY AND REACTIVITY

Specific Hazard**Incompatibilities**

Strong oxidising agents.

Decomposition

Hazardous products of decomposition may include: hydrogen chloride (hydrochloric acid).

11. TOXICOLOGICAL INFORMATION

RTECS No.

CK6330000

Acute ToxicityLD₅₀: Not available
Causes burns.

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**

ADR/RIC Code/Class

Packing Group n/a

Maritime Transport

IMDG Code/Class

Packing Group n/a

Air Transport

IATA Code/Class

Packing Group n/a

15. REGULATORY INFORMATION

CAS No. 16903-35-8**EINECS No.** Not listed**EEC No.****UN No.** None**RTECS No.** CK6330000**Hazard Indication**

CORROSIVE

Risk & Safety Phrases

Causes burns.

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

Take off immediately all contaminated clothing.

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

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