Avocado Research Chemicals Ltd - Material Safety Data Sheet 12167

1. IDENTIFICATION OF SUBSTANCE AND SUPPLIER

Name On Label	4-Methylthiosemicarbazide
Product Number	12167
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	4-Methylthiosemicarbazide		
Minor Impurities	Not determined		
CAS No.	6610-29-3	**EINECS No.** 2295632	**EEC No.**

3. HAZARDS IDENTIFICATION

Designation	No specific hazard
Risk Phrases	None specified - Exercise all due care in use

4. FIRST AID MEASURES

Inhalation	Remove to fresh air. Seek medical advice if symptoms persist.
Eye Contact	Flush with copious amounts of water for at least 15 minutes.
Skin Contact	Wash affected area with soap and water. Rinse thoroughly.
Ingestion	Rinse out mouth and drink lots of water. If unusual symptoms are observed, seek medical advice.

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, oxides of nitrogen, nitric acid, sulfur dioxide, sulfuric acid, hydrogen cyanide.

6. ACCIDENTAL RELEASE MEASURES

Personal Protection	Wear protective equipment including rubber gloves, and eye protection. Keep unprotected persons away.
Environmental Protection	Take precautions to ensure product does not 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 or goggles.
Hands and Body	Avoid skin contact. Wear rubber gloves and protective clothing.

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12167 continued.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Off-white crystals		
Physical Constants	m.p. 135-138˚		
Molecular formula	$C_2H_7N_3S$	**Formula Wt.**	105.16
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: carbon monoxide, carbon dioxide, oxides of nitrogen, nitric acid, sulfur dioxide, sulfuric acid, hydrogen cyanide.

11. TOXICOLOGICAL INFORMATION

RTECS No.	Not listed
Acute Toxicity	LD_{50}: No data reported

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	Not Restricted
Maritime Transport	IMDG Code/Class	Not Restricted
Air Transport	IATA Code/Class	Not Restricted

15. REGULATORY INFORMATION

CAS No. 6610-29-3 **EINECS No.** 2295632 **EEC No.** **UN No.** None **RTECS No.** Not listed

Hazard Indication	No specific hazard
Risk & Safety Phrases	None specified - Exercise all due care in use
TSCA	

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 **Date Printed:** 18th September 1998