

Avocado Research Chemicals Ltd - Material Safety Data Sheet 19158

1. IDENTIFICATION OF SUBSTANCE AND SUPPLIER			
Name On Label	Thiamine		
Product Number	19158		
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	Aneurine; Vitamin B1		
2. COMPOSITION AND INFORMATION ON COMPONENTS			
Name	Thiamine		
Minor Impurities	Not determined		
CAS No.	59-43-8	EINECS No. 2004253	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, hydrogen chloride (hydrochloric acid), 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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9. PHYSICAL AND CHEMICAL PROPERTIES				
Appearance	Crystals			
Physical Constants	Not available			
Molecular formula	C ₁₂ H ₁₇ ClN ₄ OS	Formula Wt.	300.81	
Water solubility	Sol	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, hydrogen chloride (hydrochloric acid), oxides of nitrogen, nitric acid, sulfur dioxide, sulfuric acid, hydrogen cyanide.			
11. TOXICOLOGICAL INFORMATION				
RTECS No.	XI6550000			
Acute Toxicity	LD ₅₀ : SCU-MUS 301mg/kg			
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. 59-43-8	EINECS No. 2004253	EEC No.	UN No. None	RTECS No. XI6550000
Hazard Indication	No specific hazard			
Risk & Safety Phrases	None specified - Exercise all due care in use			
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	Date Printed:	18th September 1998	