

Avocado Research Chemicals Ltd - Material Safety Data Sheet 20018

1. IDENTIFICATION OF SUBSTANCE AND SUPPLIER			
Name On Label	2,2-Dimethylbutyraldehyde		
Product Number	20018		
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	2,2-Dimethylbutyraldehyde		
Minor Impurities	Not determined		
CAS No.	2094-75-9	EINECS No. Not listed	EEC No.
3. HAZARDS IDENTIFICATION			
Designation	FLAMMABLE		
Risk Phrases	R10	Flammable.	
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.		
6. ACCIDENTAL RELEASE MEASURES			
Personal Protection	Keep away from ignition sources. Avoid inhalation of vapour. Wear protective equipment including rubber gloves, eye protection and breathing equipment. Keep unprotected persons away.		
Environmental Protection Collection	Take precautions to ensure product does not contaminate the ground or enter the drainage system. Absorb in 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 aerial oxidation.		
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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20018 continued.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Liquid		
Physical Constants	Not available		
Molecular formula	C ₆ H ₁₂ O	Formula Wt.	100.16
Water solubility		Density	Not available
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.

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.
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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	1989		
Land Transport	ADR/RIC Code/Class	3.3	Packing Group III
Maritime Transport	IMDG Code/Class	3.3	Packing Group III
Air Transport	IATA Code/Class	3.3	Packing Group III

15. REGULATORY INFORMATION

CAS No. 2094-75-9	EINECS No. Not listed	EEC No.	UN No. 1989	RTECS No. Not listed
Hazard Indication	FLAMMABLE			
Risk & Safety Phrases	Flammable. Keep away from sources of ignition - No Smoking. Keep container tightly closed in a cool, well-ventilated place. Do not empty into drains. Take precautionary measures against static discharges.			
TSCA	Not listed. For research and development use only.			

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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