

Avocado Research Chemicals Ltd - Material Safety Data Sheet 22993

1. IDENTIFICATION OF SUBSTANCE AND SUPPLIER			
Name On Label	2,2-Dimethyl-5-phenyl-1,3-dioxane-4,6-dione		
Product Number	22993		
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	Isopropylidene phenylmalonate; 5-Phenyl-Meldrum's acid		
2. COMPOSITION AND INFORMATION ON COMPONENTS			
Name	2,2-Dimethyl-5-phenyl-1,3-dioxane-4,6-dione		
Minor Impurities	Not determined		
CAS No.	15231-78-4	EINECS No.	Not listed
		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.			
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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22993 continued.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance**Physical Constants**

m.p. 140-142° (dec.)

Molecular formulaC₁₂H₁₂O₄**Formula Wt.**

220.22

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.

11. TOXICOLOGICAL INFORMATION

RTECS No.

Not listed

Acute ToxicityLD₅₀: Not available

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 II

Maritime Transport

IMDG Code/Class

Packing Group II

Air Transport

IATA Code/Class

Packing Group II

15. REGULATORY INFORMATION

CAS No. 15231-78-4**EINECS No.** Not listed**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

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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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