

Avocado Research Chemicals Ltd - Material Safety Data Sheet 17323

1. IDENTIFICATION OF SUBSTANCE AND SUPPLIER			
Name On Label	Tetrakis(triphenylphosphine)nickel(0)		
Product Number	17323		
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	Tetrakis(triphenylphosphine)nickel(0)		
Minor Impurities	Not determined		
CAS No.	15133-82-1	EINECS No. Not listed	EEC No.
3. HAZARDS IDENTIFICATION			
Designation	FLAMMABLE SOLID ~ TOXIC ~ POSSIBLE CARCINOGEN		
Risk Phrases	R11 Highly flammable. R23/24/25 Toxic by inhalation, in contact with skin and if swallowed. R45 May cause cancer.		
4. FIRST AID MEASURES			
Inhalation	Remove to fresh air. If symptoms arise, seek medical attention. Show the physician the container details.		
Eye Contact	Flush with copious amounts of water for at least 15 minutes. If symptoms arise, seek medical advice.		
Skin Contact	Remove contaminated clothing. Wash affected area with soap and water. Rinse thoroughly. If unusual symptoms are observed, seek medical advice. Show the physician the container details.		
Ingestion	Rinse out mouth and drink lots of water. Seek medical attention and show physician the container details.		
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, phosphorus pentoxide, phosphoric 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	Take precautions to ensure product does not contaminate the ground or 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. 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. Wash hands thoroughly after handling.		

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9. PHYSICAL AND CHEMICAL PROPERTIES			
Appearance	Brown granules		
Physical Constants	Not available		
Molecular formula	C ₅₂ H ₅₂ NiP ₄	Formula Wt.	1107.83
Water solubility	Reacts	Density	1.8
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, phosphorus pentoxide, phosphoric acid.		
11. TOXICOLOGICAL INFORMATION			
RTECS No.	Not listed		
Acute Toxicity	LD ₅₀ : No data reported Toxic by inhalation, in contact with skin and if swallowed. May cause cancer.		
Chronic Toxicity	Carcinogen.		
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	3282		
Land Transport	ADR/RIC Code/Class	4.1	Packing Group II
Maritime Transport	IMDG Code/Class	4.1	Packing Group II
Air Transport	IATA Code/Class	4.1	Packing Group II
15. REGULATORY INFORMATION			
CAS No. 15133-82-1	EINECS No. Not listed	EEC No.	UN No. 3282 RTECS No. Not listed
Hazard Indication	FLAMMABLE SOLID ~ TOXIC ~ POSSIBLE CARCINOGEN		
Risk & Safety Phrases	Highly flammable. Toxic by inhalation, in contact with skin and if swallowed. May cause cancer. Keep away from sources of ignition - No Smoking. Take off immediately all contaminated clothing. Wear suitable protective clothing, gloves and eye/face protection. If you feel unwell, seek medical advice (show the label where possible). Avoid exposure - obtain special instructions before use.		
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	Date Printed:	18th September 1998