

## 1. IDENTIFICATION OF SUBSTANCE AND SUPPLIER

Name On Label Nickel(II) acetate tetrahydrate  
 Product Number 13026  
 Supplier Johnson Matthey Catalog Company Inc.  
 30 Bond Street, Ward Hill, Massachusetts, 01835-8099  
 Emergency Telephone Number: (508) 521-6300; CHEMTREC: (800) 424-9300

Alternative Names None in common use.

## 2. COMPOSITION AND INFORMATION ON COMPONENTS

Name Nickel(II) acetate tetrahydrate  
 Minor Impurities Not determined  
 CAS No. 6018-89-9 EINECS No. 2067617

FROM FSI:  
 STORED FOR SHORT  
 TERM IN KEVIN'S  
 STORAGE BOX IN  
 CHASE 1.

## 3. HAZARDS IDENTIFICATION

Designation TOXIC ~ IRRITANT ~ POSSIBLE CARCINOGEN  
 Risk Phrases R23/24/25 Toxic by inhalation, in contact with skin and if  
 R36/37/38 Irritating to eyes, respiratory system and skin.  
 R45 May cause cancer.

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## 4. FIRST AID MEASURES

Inhalation Remove to fresh air. If breathing is difficult give oxygen and seek medical attention.  
 Eye Contact Flush with copious amounts of water for at least 15 minutes. If irritation persists, seek medical attention.  
 Skin Contact Remove contaminated clothing. Wash affected area with soap and water. Rinse thoroughly. If irritation persists or other symptoms are observed, seek medical advice.  
 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.

## 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.

## 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, goggles or, for larger quantities, a full face mask.  
 Hands and Body Irritant product. Avoid skin contact. Wear rubber gloves, protective clothing and, for larger quantities, full arm, body and face protection. Wash hands thoroughly after handling.

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## 13026 continued.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Lime-green powder and chunks		
Physical Constants	Not available		
Molecular formula	$C_4H_6NiO_4 \cdot 4H_2O$	Formula Wt.	248.86
Water solubility	Sol	Density	1.768
Flash Point	Not available		

### 10. STABILITY AND REACTIVITY

#### Specific Hazard

Incompatibilities	Strong oxidising agents. Strong bases.
Decomposition	Hazardous products of decomposition may include: carbon monoxide, carbon dioxide.

### 11. TOXICOLOGICAL INFORMATION

RTECS No.	QR6126000
Acute Toxicity	LD <sub>50</sub> : ORL-RAT 350mg/kg Toxic by inhalation, in contact with skin and if swallowed. Irritating to eyes, respiratory system and skin. May cause cancer.
Special Note	Exposure can give rise to dermatitis and hypersensitivity. Exposure may induce allergic respiratory and skin reactions.
Chronic Toxicity	Carcinogen.

### 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	3288		
Land Transport	ADR/RIC Code/Class	6.1	Packing Group II
Maritime Transport	IMDG Code/Class	6.1	Packing Group II
Air Transport	IATA Code/Class	6.1	Packing Group II

### 15. REGULATORY INFORMATION

CAS No. 6018-89-9	EINECS No. 2067617	EEC No.	UN No. 3288	RTECS No. QR6126000
Hazard Indication	TOXIC ~ IRRITANT ~ POSSIBLE CARCINOGEN			
Risk & Safety Phrases	Toxic by inhalation, in contact with skin and if swallowed. Irritating to eyes, respiratory system and skin. May cause cancer. Keep away from combustible material. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  Wear suitable protective clothing, gloves and eye/face protection. If you feel unwell, seek medical advice (show label where possible). Avoid exposure - obtain special instructions before use.			
Carcinogenicity	IARC listed human carcinogen and NTP listed as reasonably anticipated to be a carcinogen.			
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 Revision: 11th March 1996

Date Printed: 18th March 1996

**1. IDENTIFICATION OF SUBSTANCE AND SUPPLIER**

Name On Label Iron(III) acetylacetonate  
 Product Number 10359  
 Supplier Johnson Matthey Catalog Company Inc.  
 30 Bond Street, Ward Hill, Massachusetts, 01835-8099  
 Emergency Telephone Number: (508) 521-6300; CHEMTREC: (800) 424-9300

Alternative Names None in common use.

**2. COMPOSITION AND INFORMATION ON COMPONENTS**

Name Iron(III) acetylacetonate  
 Minor Impurities Not determined  
 CAS No. 14024-18-1 EINECS No. 2378535 EEC No.

**3. HAZARDS IDENTIFICATION**

Designation HARMFUL ~ IRRITANT  
 Risk Phrases R20/21/22 Harmful by inhalation, in contact with skin and if swallowed.  
 R36/37/38 Irritating to eyes, respiratory system and skin.  
 R40 Possible risk of irreversible effects.  
 R41 Risk of serious damage to eyes.

**4. FIRST AID MEASURES**

Inhalation Remove to fresh air. If breathing is difficult give oxygen and seek medical attention.  
 Eye Contact Flush with copious amounts of water for at least 15 minutes. If irritation persists, seek medical attention.  
 Skin Contact Remove contaminated clothing. Wash affected area with soap and water. Rinse thoroughly. If irritation persists or other symptoms are observed, seek medical advice.  
 Ingestion Rinse out mouth and drink lots of water. In case of irritation or other symptoms, seek medical attention.

**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 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.

**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, goggles or, for larger quantities, a full face mask.  
 Hands and Body Irritant product. Avoid skin contact. Wear rubber gloves, protective clothing and, for larger quantities, full arm, body and face protection. Wash hands thoroughly after handling.

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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	6.1	Packing Group III
Maritime Transport	IMDG Code/Class	6.1	Packing Group III
Air Transport	IATA Code/Class	6.1	Packing Group III

**15. REGULATORY INFORMATION**

CAS No. 14024-18-1      EINECS No. 2378535      EEC No.      UN No. 3282      RTECS No. NO8960000

Hazard Indication      HARMFUL ~ IRRITANT

Risk & Safety Phrases      Harmful by inhalation, in contact with skin and if swallowed.  
 Irritating to eyes, respiratory system and skin.  
 Possible risk of irreversible effects.  
 Risk of serious damage to eyes.  
 Keep container tightly closed.  
 Do not breathe dust.  
 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
 Wear suitable protective clothing, gloves and eye/face protection.

**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.

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