

## **14032 ZINCOVER 5 ZINC REAGENT**

### **MSDS Number**

BZBWC

### **National Stock Number**

6810-00F004143

### **Product Name**

14032 ZINCOVER 5 ZINC REAGENT

### **Manufacturer**

HACH CO

### **Product Identification**

Product ID:14032 ZINCOVER 5 ZINC REAGENT

MSDS Date:08/03/1995

FSC:6810

NIIN:00F004143

MSDS Number: BZBWC

### **Responsible Party**

HACH CO

5600 LINDBERGH DR

LOVELAND , CO 80539-0389

US

Emergency Phone: 303-962-6721/515-232-2533

Info Phone: 303-962-6721/515-232-2533

Cage: 4T252

### **Contractor**

HACH COMPANY

907

AMES, IA 50010

US

800-227-4224

Cage: 4T252

### **Ingredients**

POTASSIUM CYANIDE

CAS: 151-50-8

RTECS: TS8750000

Fraction By Weight:

OSHA PEL5 MG (CN)/CUM

ACGIH TLV: 5 MG (CN)/CUM (SKIN)

EPA Report Quantity: 10 LBS

DOT Report Quantity: 10 LBS

POTASSIUM TETRABORATE \*96-2\*

CAS: 1332-77-0

Fraction By Weight:

BORON OXIDE, TRIOXIDE

CAS: 1303-86-2

RTECS: ED7900000

Fraction By Weight:

OSHA PEL15 MG/CUM

ACGIH TLV: 10 MG/CUM

L-ASCORBIC ACID, MONOSODIUM SALT, SODIUM ASCORBATE \*96-2\*

CAS: 134-03-2

RTECS: CI7671000

Fraction By Weight:

OTHER COMPONENTS (TYPE NOT SPECIFIED)

Fraction By Weight:

## Hazards

LD50 LC50 Mixture:ORAL LD50(RAT): 383 MG/KG

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:MAY BE IRRITATING TO EYES & RESPIRATORY TRACT; DEATH MAY BE RAPIDLY FATAL.

Explanation of Carcinogenicity:NONE

Effects of Overexposure:IRRITATION, CONFUSION, IRREGULAR PULSE, COMA.

Medical Cond Aggravated by Exposure:NONE

## First Aid

First Aid:EYES: IMMEDIATELY FLUSH W/WATER FOR 15 MINS. SKIN: WASH W/SOAP & PLENTY OF WATER. INGESTION/INHALATION: ALWAYS HAVE ON HAND A CYANIDE FIRST AID KIT. BREAK AN AMYL NITRITE PEARL IN CLOTH & HOLD LIGHTLY UNDER NOSE FOR 15 SECONDS. REPEAT EVERY 5 MINS./5 TIMES AT 15 SECOND INTERVALS. OBTAIN MEDICAL ATTENTION IN ALL CASES.

## Fire Fighting

Extinguishing Media:CO2

Unusual Fire/Explosion Hazard:DUST MAY FORM EXPLOSIVE MIXTURES W/AIR; MAY EMIT TOXIC FUMES OF CYANIDE & BORON.

## Accidental Release

Spill Release Procedures:ABSORB ON NON-REACTIVE MATERIAL. OXIDIZE WASTE W/A 50% MIXTURE OF COMMERCIAL LAUNDRY BLEACH & SODA ASH/SODIUM BICARBONATE. ALLOW TO REACT IN A WELL VENTILATED AREA FOR 24 HOURS. DRAIN LIQUID TO SEWER W/A LARGE AMOUNT OF WATER & DISPOSE AS TRASH.

## Handling

Handling and Storage Precautions:STORE TIGHTLY CLOSED IN A COOL, DRY PLACE AWAY FROM ACIDS. PROTECT FROM MOISTURE.

Other Precautions:AVOID CONTACT W/EYES, SKIN & CLOTHING. DON'T BREATHE DUST.

## Exposure Controls

Ventilation:FUME HOOD

Protective Gloves:DISPOSABLE LATEX

Eye Protection:LAB GRADE GOGGLES

Other Protective Equipment:LAB COAT

Work Hygienic Practices:WASH THOROUGHLY AFTER HANDLING.

Supplemental Safety and Health

PH: OF 5% SOLUTION = 8.7. NOTE TO PHYSICIAN: A DOCTORS PRESCRIPTION IS REQUIRED FOR THE PURCHASE OF AMYL NITRITE AMPULES. CONTACT YOUR

COMPANY DOCTOR/LOCAL PHYSICIAN TO OBTAIN A PRESCRIPTION & DETERMINE WHERE TO PURCHASE AMYL NITRITE AMPULSE IN YOUR AREA.

## Chemical Properties

Melt/Freeze Pt:M.P/F.P Text:311F  
Spec Gravity:1.83  
pH:(SUPP)  
Solubility in Water:COMPLETE  
Appearance and Odor:PURPLE SOLID POWDER

## Stability

Stability Indicator/Materials to Avoid:YES  
ACIDS  
Stability Condition to Avoid:HEAT, FLAMES, MOISTURE  
Hazardous Decomposition Products:ACID FORM CYANIDE, BORON COMPOUNDS

## Disposal

Waste Disposal Methods:DISPOSE OF IAW/FEDERAL, STATE & LOCAL REGULATIONS.

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