

## **23293 WIDE RANGE 4 PH INDICATOR SOLUTION**

### **MSDS Number**

BBCHV

### **National Stock Number**

6810-00D000114

### **Product Name**

23293 WIDE RANGE 4 PH INDICATOR SOLUTION

### **Manufacturer**

HACH CO

### **Product Identification**

Product ID:23293 WIDE RANGE 4 PH INDICATOR SOLUTION

MSDS Date:03/04/1988

FSC:6810

NIIN:00D000114

MSDS Number: BBCHV

### **Responsible Party**

HACH CO.

100 DAYTON RD.

AMES , IA 50010-0642

US

Emergency Phone: 515-232-2533 OR 800-247-3990

Info Phone: 303-669-3050 OR 800-227-4224

Cage: 91224

### **Contractor**

HACH CO

389

LOVELAND, CO 80539

US

970-669-3050/ 303-623-5716

Cage: 91224

### **Ingredients**

ISOPROPYL ALCOHOL (SARA III)

CAS: 67-63-0

RTECS: NT8050000

Fraction By Weight:

OSHA PEL400 PPM/500 STEL

ACGIH TLV: 400 PPM/500STEL;9192

### **INDICATORS**

Fraction By Weight:

DEMINERALIZED WATER

CAS: 7732-18-5

RTECS: ZC0110000

Fraction By Weight: TO 100%

## Hazards

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:PRODUCT IS IRRITATING TO EYES,SKIN,RESPIRATORY SYSTEM. IN THE BODY IT TARGETS THE CENTRAL NERVOUS SYSTEM.  
Explanation of Carcinogenicity:MFR STATES ANY COMPOUND NOT SPECIFIED BY NAME IS NOT CONSIDERED CARCINOGENIC.  
Effects of Overexposure:CAUSES IRRITATION OF EYES,NOSE,THROAT. MAY CAUSE DROWSINESS,HEADACHE,INCOORDINATION,CRAMPS,NAUSEA,VOMITING,DIARRHEA, DEPRESSION,COMA.  
Medical Cond Aggravated by Exposure:PRE-EXISTING SKIN DISORDERS AND IMPAIRED PULMONARY FUNCTIONS.

## First Aid

First Aid:EYE:FLUSH WITH WATER 15 MIN. SKIN:FLUSH WITH WATER.  
INHALED:REMOVE TO FRESH AIR. INGESTED:GIVE LARGE QUANTITIES OF MILK OR WATER. GET IMMEDIATE MEDICAL ATTENTION.

## Fire Fighting

Flash Point Method:CC  
Flash Point:70F/21C  
Extinguishing Media:WATER,DRY CHEMICAL,ALCOHOL FOAM,CARBON DIOXIDE  
Fire Fighting Procedures:USE SELF CONTAINED BREATHING APPARATUS. MAY EMIT TOXIC FUMES.  
Unusual Fire/Explosion Hazard:NONE

## Accidental Release

Spill Release Procedures:ABSORB ON INERT MATERIAL.  
Neutralizing Agent:NONE REPORTED

## Handling

Handling and Storage Precautions:STORE IN A COOL,DRY AREA AWAY FROM OXIDIZERS.

## Exposure Controls

Respiratory Protection:NONE NORMALLY NEEDED. USE NIOSH RESPIRATOR OR SUPPLIED AIR RESPIRATOR IF EXPOSED ABOVE TLV.  
Ventilation:USE HOOD OR OTHER LOCAL EXHAUST TO MAINTAIN EXPOSURE BELOW TLV  
Protective Gloves:NONE  
Eye Protection:SAFETY GLASSES  
Other Protective Equipment:EYE WASH,SAFETY SHOWER,LAB COAT OR APRON  
Work Hygienic Practices:USE NORMAL CHEMICAL HYGIENE PRACTICES.  
Supplemental Safety and Health  
REPLACES PRODUCT CODE 216.

## Chemical Properties

HCC:F3  
Boiling Pt:B.P. Text:174F/79C  
Melt/Freeze Pt:M.P/F.P Text:-13F/-26C  
Spec Gravity:0.922  
pH:8.7  
Evaporation Rate & Reference:5.45 (REF N/K)  
Solubility in Water:MISCIBLE  
Appearance and Odor:CLEAR,DARK GREEN LIQUID, ISOPROPANOL ODOR

## Stability

Stability Indicator/Materials to Avoid:YES  
STRONG OXIDIZERS  
Stability Condition to Avoid:HEAT,FLAME,IGNITION,SOURCES  
Hazardous Decomposition Products:NORMAL PRODUCTS OF HYDROCARBON COMBUSTION

## Disposal

Waste Disposal Methods:DISPOSE I/A/W FEDERAL,STATE,LOCAL REGULATIONS.  
MFR RECOMMENDS ABSORB ON PAPER,EVAPORATE,INCINERATE.

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