

## **285-46 MERCURIC NITRATE STANDARD SOLUTION 0**

### **MSDS Number**

BFBNQ

### **National Stock Number**

6810-00-499-5280

### **Product Name**

285-46 MERCURIC NITRATE STANDARD SOLUTION 0

### **Manufacturer**

HACH COMPANY

### **Product Identification**

Product ID:285-46 MERCURIC NITRATE STANDARD SOLUTION 0

MSDS Date:02/09/1988

FSC:6810

NIIN:00-499-5280

MSDS Number: BFBNQ

### **Responsible Party**

HACH COMPANY

100 DAYTON RD

AMES , IA 50010-0642

US

Emergency Phone: 515-232-2533

Info Phone: 303-669-3050

Cage: 4T252

### **Contractor**

HACH COMPANY

907

AMES, IA 50010

US

800-227-4224

Cage: 4T252

### **Ingredients**

MERCURIC NITRATE (SARA III)

CAS: 10045-94-0

RTECS: OW8225000

Fraction By Weight:

OSHA PEL0.1 MG HG/M3;SKIN;C

ACGIH TLV: 0.1 MG HG/M3; 9293

EPA Report Quantity: 10 LBS

DOT Report Quantity: 10 LBS

WATER (DEIONIZED OR DISTILLED)

CAS: 7732-18-5

RTECS: ZC0110001

Fraction By Weight: >99%

## Hazards

LD50 LC50 Mixture:ORAL LD50 (RAT) IS 26 MG/KG (HGNO3)  
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 BODY TISSUES, SENSITIZING TO THE SKIN AND TOXIC VIA HEAVY METAL POISONING. THE LATTER MOST LIKELY WITH CHRONIC EXPOSURE. LOW CONCENTRATION OF MERCURY MINIMIZES THE RISK, BUT CHRONIC EXPOSURE MAY YIELD MERCURY POISONING DUE TO LACK OF CARE.  
Explanation of Carcinogenicity:NO INGREDIENT OF A CONCENTRATION OF 0.1% OR GREATER IS LISTED AS A CARCINOGEN OR AS A SUSPECTED CARCINOGEN.  
Effects of Overexposure:BURNS. SKIN SENSITIZATION. POSSIBLE ULCERATION OF RESPIRATORY OR G/I TRACT. MERCURY POISONING: WEAKNESS, FATIGUE,ANOREXIA, LOSS OF WEIGHT, GI TRACT DISTURBANCES, TREMORS, DELIRIUM AND HALLUCINATIONS, SEVERE SALIVATION, GINGIVITIS.  
Medical Cond Aggravated by Exposure:ALLERGIES OR SENSITIZATION TO MERCURY, CHRONIC RESPIRATORY DISEASE, NERVOUS SYSTEM DISORDERS, OR KIDNEY DISEASE.

## First Aid

First Aid:INHALED: MOVE TO FRESH AIR. GIVE ARTIFICIAL RESPIRATION IF BREATHING STOPPED. GIVE OXYGEN IF BREATHING DIFFICULT. SEE DOCTOR.  
EYES: FLUSH WITH LOTS OF WATER FOR 15 MINUTES. SEE DOCTOR. SKIN: REMOVE CONTAMINATED CLOTHES. WASH WITH SOAP AND WATER. INGESTED: DO NOT INDUCE VOMITING! IF CONSCIOUS, GIVE WATER MIXED WITH MILK OF MAGNESIA OR EGG WHITES. GET IMMEDIATE MEDICAL ATTENTION.

## Fire Fighting

Flash Point:NON-FLAMMABLE  
Extinguishing Media:WATER, CARBON DIOXIDE, OR DRY CHEMICAL  
Fire Fighting Procedures:WEAR SELF-CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING.  
Unusual Fire/Explosion Hazard:NONE SPECIFIED BY MANUFACTURER.

## Accidental Release

Spill Release Procedures:ABSORB SPILL ON PAPER, CLOTH, VERMICULITE, ETC. STORE IN TIGHTLY CLOSED CONTAINER FOR DISPOSAL.  
Neutralizing Agent:SODIUM BICARBONATE (ACID NEUTRALIZATION-DOES NOT AFFECT THE MERCURY TOXICITY)

## Handling

Handling and Storage Precautions:STORE TIGHTLY CLOSED IN A COOL DRY AREA.  
Other Precautions:IN EMERGENCY CALL YOUR LOCAL POISON CONTROL CENTER OR PHYSICIAN-FIRST,HAVE THEM CALL HACH CHEM CO:515-232-2533.

## 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 OR BELOW TLV FOR NUISANCE DUST.  
Protective Gloves:RUBBER/DISPOSABLE PLASTIC  
Eye Protection:SAFETY GLASSES  
Other Protective Equipment:EYE WASH, SAFETY SHOWER, LAB COAT OR APRON.  
Work Hygienic Practices:WASH HANDS AFTER USE AND BEFORE EATING, DRINKING, OR SMOKING. LAUNDRY CONTAMINATED CLOTHES BEFORE REUSE.  
Supplemental Safety and Health

## Chemical Properties

HCC:N1  
pH:1.75  
Solubility in Water:COMPLETE  
Appearance and Odor:CLEAR COLORLESS LIQUID

## Stability

Stability Indicator/Materials to Avoid: YES  
NONE SPECIFIED BY MANUFACTURER. ACETYLENE, PHOSPHINIC ACID, AROMATIC  
AND UNSATURATED HYDROCARBONS, SULFUR, ETHANOL  
Stability Condition to Avoid: HEAT, EVAPORATION. CONTACT WITH  
INCOMPATIBLE MATERIALS.  
Hazardous Decomposition Products: NONE SPECIFIED BY MANUFACTURER. HMIS:  
FUMES OF MERCURY AND OXIDES OF NITROGEN (NOX).

## **Disposal**

Waste Disposal Methods: DISPOSE OF IN ACCORDANCE WITH FEDERAL, STATE,  
AND LOCAL REGULATIONS. DO NOT ALLOW INTO SEWER OR WATERWAYS.

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