

## **CPE134070 ANHYDROUS HYDRAZINE**

### **MSDS Number**

BGHYV

### **National Stock Number**

9135-01-049-9592

### **Product Name**

CPE134070 ANHYDROUS HYDRAZINE

### **Manufacturer**

OLIN CORP

### **Product Identification**

Product ID:CPE134070 ANHYDROUS HYDRAZINE

MSDS Date:01/01/1991

FSC:9135

NIIN:01-049-9592

MSDS Number: BGHYV

### **Responsible Party**

OLIN CORP

120 LONG RIDGE ROAD

STAMFORD , CT 06904-3449

Emergency Phone: (203) 356-3449

Info Phone: (203) 356-3449

Preparer: C. J. MICHAELS

Cage: 8X135

### **Contractor**

OLIN CORPORATION

4500

NORWALK, CT 06856-4500

US

203-750-3000/800-511-MSDS

Cage: 99530

### **Ingredients**

HYDRAZINE

CAS: 302-01-2

RTECS: MU7175000

Fraction By Weight: 69-71%

OSHA PELS, 1 PPM

ACGIH TLV: S, 0.1 PPM, A2; 9293

EPA Report Quantity: 1 LB

DOT Report Quantity: 1 LB

WATER, H2O

CAS: 7732-18-5

RTECS: ZC0110000

Fraction By Weight: 29-31%

## Hazards

LD50 LC50 Mixture:ORAL (RAT) LD50: 60 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:EYE:  
HARMFUL/INFLAMMATION/SWELL/REDNESS/DISCHARGE/BLIND/BURNS/CORNEAL  
DAMAGE. SKIN: FATAL/ABSORPTION/IRRITATION/DERMATITIS/BURN/RASH.  
INHALATION: NOSE/THROAT/UPPER RESPIRATORY TRACT/LUNG IRRITATION/LI  
VER/KIDNEY/BLOOD DAMAGE. INGESTION: GASTROINTESTINAL  
TRACT/STOMACH/INTESTINES/NAUSEA/VOMITING/DIARRHEA/ABDOMINAL PAIN.  
Explanation of Carcinogenicity:NONE  
Effects of Overexposure:EYE:  
HARMFUL/INFLAMMATION/SWELLING/REDNESS/DISCHARGE/BLIND/BURNS/CORNEAL  
DAMAGE/IRRITATION. SKIN:  
FATAL/ABSORPTION/IRRITATION/DERMATITIS/BURN/RASH. INHALATION: RISE  
TO HEMOLYSIS OF BLOOD CELLS/VOMITIN  
G/DIARRHEA/NAUSEA/DIZZINESS/CYANOSIS/CONVULSIONS/FETUS EFFECTS.  
INGESTION: BLEEDING & TISSUE ULCERATION.  
Medical Cond Aggravated by Exposure:DISEASES OF THE LIVER, KIDNEYS,  
BLOOD, ASTHMA & CARDIOVASCULAR DISEASE

## First Aid

First Aid:EYES/SKIN: FLUSH W/PLENTY OF WATER FOR AT LEAST 15 MINS.  
INHALATION: REMOVE TO FRESH AIR. GIVE CPR OR OXYGEN IF NEEDED.  
INGESTION: DRINK LARGE AMOUNTS OF WATER & INDUCE VOMITING. NEVER  
GIVE ANYTHING B Y MOUTH TO AN UNCONSCIOUS PERSON. OBTAIN MEDICAL  
ATTENTION IN ALL CASES.

## Fire Fighting

Flash Point Method:OC  
Flash Point:124F  
Lower Limits:4.7%  
Upper Limits:100%  
Extinguishing Media:ALCOHOL FOAM, CO2 & WATER SPRAY  
Fire Fighting Procedures:USE WATER TO COOL CONTAINERS EXPOSED TO FIRE.  
USE PROTECTIVE EQUIPMENT.  
Unusual Fire/Explosion Hazard:FLAMMABLE LIQUID, UN 2029

## Accidental Release

Spill Release Procedures:ELIMINATE SOURCES OF IGNITION. STOP SOURCE OF  
SPILL AS SOON AS POSSIBLE. DIKE SPILL & DILUTE MATERIAL W/WATER.  
REMOVE LIQUID & PLACE IN CONTAINERS.

## Handling

Handling and Storage Precautions:AVOID CONTACT W/EYES, SKIN, OR  
CLOTHING & BREATHING OF MISTS/VAPORS. CONTAINERS & HANDLING  
EQUIPMENT FOR THIS PRODUCT SHOULD BE ELECTRICALLY GROUNDED.  
Other Precautions:DON'T TAKE INTERNALLY. DON'T STORE AT TEMPS >124F.

## Exposure Controls

Respiratory Protection:USE A NIOSH/MSHA APPROVED POSSITIVE-PRESSURE  
AIR-SUPPLIED RESPIRATOR.  
Ventilation:LOCAL EXHAUST  
Protective Gloves:BUTYL RUBBER  
Eye Protection:FACE SHIELD W/SAFETY GLASSES  
Other Protective Equipment:FULL IMPERMEABLE SUIT, BUTYL RUBBER  
APRON/BOOTS/PROTECTIVE SUIT  
Work Hygienic Practices:REMOVE/LAUNDER CONTAMINATED CLOTHING BEFORE  
REUSE.  
Supplemental Safety and Health  
SHELF LIFE: ONE YEAR.

## Chemical Properties

HCC:F5

Boiling Pt:B.P. Text:236F  
Vapor Pres:14.9  
Vapor Density:1.1  
Spec Gravity:1.004  
pH: 10-11  
Solubility in Water:MISCIBLE  
Appearance and Odor:CLEAR COLORLESS LIQUID W/AMMONIA ODOR  
Percent Volatiles by Volume:100%

## Stability

Stability Indicator/Materials to Avoid:YES  
STRONG OXIDIZERS, ANHYDROUS HYDRAZINE, METAL/METALLIC OXIDES  
Stability Condition to Avoid:HEAT, SPARKS, OPEN FLAMES, SUNLIGHT &  
OTHER IGNITION SOURCES  
Hazardous Decomposition Products:AMMONIA & HYDROGEN

## Disposal

Waste Disposal Methods:WASTE FROM THIS PRODUCT MAY BE HAZARDOUS AS  
DEFINED UNDER RCRA. WASTE MUST BE TESTED FOR IGNITABILITY TO  
DETERMINE THE APPLICABLE EPA HAZARDOUS WASTE NUMBERS. INCINERATE IN  
APPROVED FACILITY. DISPOSE OF IN ACCORDANCE W/FEDERAL, STATE &  
LOCAL REGS.

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