

CPE134070 ANHYDROUS HYDRAZINE

MSDS Number

BDCNS

National Stock Number

9135-00-149-1610

Product Name

CPE134070 ANHYDROUS HYDRAZINE

Manufacturer

OLIN CORP

Product Identification

Product ID:CPE134070 ANHYDROUS HYDRAZINE

MSDS Date:01/01/1991

FSC:9135

NIIN:00-149-1610

MSDS Number: BDCNS

Responsible Party

OLIN CORP

120 LONG RIDGE ROAD

STAMFORD , CT 06904-3449

Emergency Phone: (203) 356-3449

Info Phone: (203) 356-3449

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: 98-100%

OSHA PELS, 1 PPM

ACGIH TLV: S, 0.1 PPM, A2; 9293

EPA Report Quantity: 1 LB

DOT Report Quantity: 1 LB

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/LIVER/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/VOMITING/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 BY 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 POSITIVE-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 COLOLESS 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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