

OLIN CORP -- CPE134070 ANHYDROUS HYDRAZINE -- 9135-01-049-9592

===== Product Identification =====

Product ID:CPE134070 ANHYDROUS HYDRAZINE

MSDS Date:01/01/1991

FSC:9135

NIIN:01-049-9592

MSDS Number: BGHYV

=== Responsible Party ===

Company Name:OLIN CORP

Address:120 LONG RIDGE ROAD

City:STAMFORD

State:CT

ZIP:06904-3449

Info Phone Num:(203) 356-3449

Emergency Phone Num:(203) 356-3449

Preparer's Nam

e:C. J. MICHAELS

CAGE:8X135

=== Contractor Identification ===

Company Name:OLIN CORP

Address:51 CORPORATE WOODS 9393 W 110 ST

City:OVERLAND PARK

State:KS

ZIP:66210

Country:US

Phone:800-432-6546

CAGE:8X135

Company Name:OLIN CORPORATION

Address:501 MERRITT 7

Box:4500

City:NORWALK

State:CT

ZIP:06856-4500

Country:US

Phone:203-750-3000/800-511-MSDS

CAGE:99530

===== Composition/Information on Ingredients =====

Ingred Name:HYDRAZINE

INTENDED CHANGE (IC) = 0.01 MG/CU

M

CAS:302-01-2

RTECS #:MU7175000

Fraction by Wt: 69-71%

OSHA PEL:S, 1 PPM

ACGIH TLV:S, 0.1 PPM, A2; 9293

EPA Rpt Qty:1 LB

DOT Rpt Qty:1 LB

Ingred Name:WATER, H2O

CAS:7732-18-5

RTECS #:ZC0110000

Fraction by Wt: 29-31%

=====
===== Hazards Identification =====

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/INFLAMM

ATION/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/ABSORPTI

ON/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 Measures =====

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 Measures =====

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 Measures =====

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 and Storage =====

Handling and Storage Precautions:AVOID CONTACT W/EYES, SKIN, OR CLOTHING & BREATHING OF MISTS/VAPORS. CONTAINERS & HANDLING EQUI

PMENT FOR THIS PRODUCT SHOULD BE ELECTRICALLY GROUNDED.

Other Precautions:DON'T TAKE INTERNALLY. DON'T STORE AT TEMPS >124F.

=====
===== Exposure Controls/Personal Protection =====

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 Hygieni

c Practices:REMOVE/LAUNDER CONTAMINATED CLOTHING BEFORE REUSE.

Supplemental Safety and Health
SHELF LIFE: ONE YEAR.

===== Physical/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 and Reactivity Data =====

Stability Indicator/Mat

erials 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 Considerations =====

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.

Disclaimer (provided with this information by the compiling agencies):
This information is formulated for use by elements of the Department
of Defense. The United States of America in no manner whatsoever,
expressly or implied, warrants this information to be accurate and
disclaims all liability for its use. Any person utilizing this
document should seek competent professional advice to verify and
assum

e responsibility for the suitability of this information to their particular situation.