

OLIN CORP CHEMICALS GROUP -- CPE134072 UNSYMMETRICAL DIMETHYLHYDRAZINE --  
9135-00-687-4293

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

Product ID:CPE134072 UNSYMMETRICAL DIMETHYLHYDRAZINE

MSDS Date:01/01/1991

FSC:9135

NIIN:00-687-4293

MSDS Number: BFLSF

=== Responsible Party ===

Company Name:OLIN CORP CHEMICALS GROUP

Address:120 LONG RIDGE RD

City:STAMFORD

State:CT

ZIP:06904

Country:US

Info Phone Num:203-

356-3449

Emergency Phone Num:203-356-3449,CHEMTREC 800-242-9300

CAGE:53084

=== Contractor Identification ===

Company Name:OLIN CORP CHEMICALS GROUP

Address:120 LONG RIDGE RD

City:STAMFORD

State:CT

ZIP:06904

Country:US

Phone:203-356-3449,CHEMTREC 800-242-9300

CAGE:53084

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

Ingred Name:1,1-DIMETHYLHYDRAZINE, UDMH

INTENDED CHANGE (IC)

CAS:57-14-7

RTECS #:MV2450000

Fraction by Wt: 95-99%

Other REC Limits:0.5 PPM

OSHA

PEL:1 MG/CUM  
ACGIH TLV:0.025 MG/CUM IC (A2)  
EPA Rpt Qty:10 LBS  
DOT Rpt Qty:10 LBS

Ingred Name:DIMETHYLAMINE (SARA III)  
CAS:124-40-3  
RTECS #:IP8750000  
Fraction by Wt: 1-5%  
Other REC Limits:10 PPM  
OSHA PEL:5 PPM/STEL15PPM;9293  
ACGIH TLV:10 PPM  
EPA Rpt Qty:1000 LBS  
DOT Rpt Qty:1000 LBS

Ingred Name:WATER, H2O  
CAS:7732-18-5  
RTECS #:ZC0110000  
Fraction by Wt: 0.1-1%

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

LD50 LC50 Mixture:ORAL LD50 (RAT): 122 MG/KG  
Routes of Entry: In  
halation:YES Skin:YES Ingestion:YES  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:INHALATION: NOSE/THROAT/UPPER  
RESPIRATORY TRACT/LUNG IRRITATION/BRONCHITIS/PULMONARY  
EDEMA/LIVER/KIDNEY/BLOOD/LUNG DAMAGE/FATAL. SKIN: IRRITATION/BURN.  
EYE: INFLAMMATION/SWELL/REDNESS/DISCHARGE. INGESTION:  
GASTROINTESTINAL TRACT/STOMACH/INTESTINE  
IRRITATION/NAUSEA/VOMITING/DIARRHEA/ABDOMINAL  
PAIN/BLEEDING/ABSORPTION.

Explanation of Carcinogenicity:N  
ONE

Effects of Overexposure:INHALATION:  
HEMOLYSIS/VOMITING/DIARRHEA/NAUSEA/DIZZINESS/CYANOSIS/CONVULSIONS/C  
ANCER. SINGLE EXPOSURE WOULD NOT LIKELY PRODUCE FETAL  
TOXICITY/MALFORMATIONS, BUT SEVERAL EXPOSURES MAY CAUSE EFFECTS TO  
FETUS. SKIN: DERMATITIS/ALLERGIC REACTION/RASH. EYES: TEMPORARY  
BLINDNESS/BURN/CORNEAL DAMAGE/VISION IMPAIRMENT.

Medical Cond Aggravated by Exposure:LIVER, KIDNEY, BLOOD DISEASES AS  
WELL AS ASTHMA & CARDIOVASCULAR DISEASE.

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= First Aid Measures =====

First Aid:EYES/SKIN: FLUSH W/PLENTY OF WATER FOR AT LEAST 15 MINS.  
INGESTION: DRINK PLENTY OF WATER. INDUCE VOMITING. DON'T GIVE ANYTHING BY MOUTH IF UNCONSCIOUS OR HAVING CONVULSIONS. INHALATION: REMOVE TO FRESH AIR. IF BREATHING STOPS, GIVE ARTIFICIAL RESPIRATION. IF BREATHING DIFFICULT, GIVE OXYGEN. ENSURE ADEQUATE VENTILATION. OBTAIN MEDICAL ATTENTION IN ALL CASES.

===== Fire Fighting Measures =====  
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Flash Point Method:COC  
Flash Point:5F  
Lower Limits:2%  
Upper Limits:95%  
Extinguishing Media:CO2, DRY CHEMICAL, OR WATER SPRAY  
Fire Fighting Procedures:USE WATER TO COOL CONTAINERS EXPOSED TO FIRE.  
WEAR SELF-CONTAINED BREATHING APPARATUS POSITIVE PRESSURE UNIT.

===== Accidental Release Measures =====

Spill Release Procedures:REMOVE ALL IGNITION SOURCES. STOP SPILL AT SOURCE AS SOON AS POSSIBLE. CONTAIN LIQUID FOR TREATMENT/NEUTRALIZATION. REMOVE W/VACUUM SYSTEM/PUMPING DEVICE.  
LAND SPILL: DIKE/DILUTE TO BRING CONCENTRATION OF UDMH