

MAGNOLIA CHEMICALS AND SOLVENTS -- 40% MORPHOLINE -- 6810-00-559-9889

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

Product ID:40% MORPHOLINE

MSDS Date:08/12/1995

FSC:6810

NIIN:00-559-9889

MSDS Number: CBQKJ

=== Responsible Party ===

Company Name:MAGNOLIA CHEMICALS AND SOLVENTS

Address:1020 SAMS AVENUE

Box:10276

City:NEW ORLEANS

State:LA

ZIP:70181-0278

Country:US

Info Phone Num:713-235-6432/512-459-6543

Eme

rgency Phone Num:914-831-3400

Chemtec Ind/Phone:(800)424-9300

CAGE:0LNB7

=== Contractor Identification ===

Company Name:MAGNOLIA CHEMICALS AND SOLVENTS

Address:1020 SAMS AVENUE

Box:10276

City:NEW ORLEANS

State:LA

ZIP:70181-0278

Country:US

Phone:504-733-6600

CAGE:0LNB7

Company Name:SDB CONSULTANTS LTD

Address:401 WHITNEY AVE SUITE 120

Box:City:GRETNA

State:LA

ZIP:70056

Country:US

Phone:504-366-9105

CAGE:0PGK2

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

Ingred Name:MORP

HOLINE
CAS:110-91-8
RTECS #:QD6475000
Minumum % Wt:40.
Maxumum % Wt:42.
Other REC Limits:NONE RECOMMENDED
OSHA PEL:S, 20 PPM
ACGIH TLV:S, 20 PPM; 9596

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

LD50 LC50 Mixture:ORAL LD50 (RAT) IS 1.05 G/KG.
Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:ACUTE: EXPOSURE MAY CAUSE SEVERE EYE,
SKIN, RESPIRATORY TRACT IRRITATION. MAY CAUSE
CHEMICAL BURNS TO
SKIN AND EYES, BLINDNESS. INGESTION MAY CAUSE BURNS TO MUCOUS
MEMBRANES OF MOUTH/THROAT/STOMACH. A SPIRATION MAY CAUSE LUNG
DAMAGE. CHRONIC: PROLONGED OR REPEATED EXPOSURE MAY CAUSE
DERMATITIS, LUNG DAMAGE.
Explanation of Carcinogenicity:NO INGREDIENT OF A CONCENTRATION OF 0.1%
OR GREATER IS LISTED AS A CARCINOGEN OR SUSPECTED CARCINOGEN.
Effects of Overexposure:EYES-IRRITATION,PAIN,BLINKING/TEARS,EXTREME
REDNESS & SWELLING,BURNS,BLINDNESS.SKIN-IRRITATIO
N,PAIN,EXCESS
REDNESS & SWELLING,CHEMICAL BURNS,BLISTERS,TISSUE
DESTRUCTION.INHALED-NASAL DISCHARGE,COUGHIN G,DISCOMFORT IN
NOSE/THROAT.INGESTED-BURNING OF MOUTH/THROAT,ABDOMINAL/CHEST
PAIN,NAUSEA,VOMITING,DIARRHEA,THIRST.....
Medical Cond Aggravated by Exposure:SKIN CONTACT MAY AGGRAVATE EXISTING
DERMATITIS. OVEREXPOSURE TO VAPOR, DUST, MIST MAY AGGRAVATE
EXISTING RESPIRATORY CONDITIONS, SUCH AS, ASTHMA, BRONCHITIS,
INFLAMMATORY/FIBROTIC RESPIRATORY DISEASE.

=====
===== First Aid Measures =====

First Aid:IN ALL CASES GET IMMEDIATE MEDICAL ATTENTION. EYES-FLUSH WITH
WATER FOR 15 MINUTES, LIFT LIDS. SKIN-REMOVE CONTAMINATED CLOTHES.
WASH WITH MILD SOAP & WATER. INHALED-REMOVE TO FRESH AIR.
ADMINISTER OX YGEN OR ARTIFICIAL RESPIRATION AS NEEDED. INGESTED-IF
EVACUATION OF STOMACH NECESSARY, USE METHOD LEAST LIKELY TO CAUSE
ASPIRATION. CONTACT POISON CONTROL CENTER & OBTAIN IMMEDIATE
MEDICAL ATTENTION!

===== Fire Fighting Measures =====

Flash Point Method:TCC

Flash Point:195F,91C

Lower Limits:5

Upper Limits:16

Extinguishing Media:WATER SPRAY, DRY CHEMICAL, ALCOHOL RESISTANT FOAM, CARBON DIOXIDE.

Fire Fighting Procedures:WATER MAY BE INEFFECTIVE ON FLAMES BUT SHOULD BE USED TO COOL FIRE-EXPOSED CONTAINERS AND PROVIDE PROTECTION FOR PERSONS ATTEMPTING TO STOP THE LEAK.

Unusual Fire/Explosion Hazard:MATERIAL MAY RELEASE VAPORS THAT TRAVEL LONG D

ISTANCES, IGNITE AND FLASH BACK. CONTAINERS MAY EXPLODE IN FIRE. USE NON-SPARKING TOOLS.

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

Spill Release Procedures:ELIMINATE ALL SOURCES OF IGNITION. VENTILATE AREA. BARRICADE IMMEDIATE AREA. STAY UPWIND. WEAR PROPER PERSONAL PROTECTIVE GEAR. CONTAIN SPILL IF FEASIBLE. REMOVE WITH INERT ABSORBENT. PREVENT ENTRY IN TO SEWERS AND WATERWAYS.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

=====

Handling and Storage =====

Handling and Storage Precautions:STORE IN A COOL, DRY PLACE AWAY FROM SOURCES OF IGNITION AND INCOMPATIBLE MATERIALS. GROUND & BOND WHEN TRANSFERRING CONTENTS.

Other Precautions:USE NON-SPARKING TOOLS. MATERIAL MAY BE AT ELEVATED TEMPERATURE AND/OR PRESSURES. EXERCISE CARE WHEN OPENING BLEEDERS AND SAMPLING PORTS.

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

Respiratory Protection:IF ENGINEERING CONTROLS FAIL OR NON-ROUTINE USE

OR AN EMERGENCY OCCURS; WEAR AN MSHA/NIOSH APPROVED RESPIRATOR OR AN AIR-SUPPLIED RESPIRATOR OR SCBA, AS REQUIRED. USE IAW 29 CFR 1910.134.

Ventilation:USE ADEQUATE MECHANICAL VENTILATION OR LOCAL EXHAUST TO MAINTAIN EXPOSURE BELOW TLV(S).

Protective Gloves:NEOPRENE, NITRILE.

Eye Protection:GOGGLES W/FACESHIELD. NO CONTACT LENSES.

Other Protective Equipment:IF HANDLING LARGE QUANTITIES; IMPERVIOUS SUITE, GLOVES, RUBBER BOOTS. PROVIDE EYE WASH STATION AND S

AFETY

SHOWER IN AREA

Work Hygienic Practices:WASH HANDS AFTER HANDLING AND BEFORE EATING,
DRINKING, OR SMOKING. LAUNDER CONTAMINATED CLOTHES BEFORE REUSE.

Supplemental Safety and Health

NONE.

===== Physical/Chemical Properties =====

HCC:B2

Boiling Pt:=171.C, 339.8F

Melt/Freeze Pt:=-28.C, -18.4F

Vapor Pres:7

Vapor Density:3

Spec Gravity:1.0017

pH:11.2

Viscosity:2.2 CST @20C

Solubility in Water:APPRECIABLE (>10%)

Appearance and Odor:COLORLESS LIQUID. AMMONIA-L
IKE ODOR.

===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES

STRONG ACIDS, STRONG OXIDIZING AGENTS, NITRITES.

Stability Condition to Avoid:AVOID HEAT. DO NOT ADD OR FORMULATE WITH
NITRITES. THIS MATERIAL REACTS VIOLENTLY WITH ACIDS.

Hazardous Decomposition Products:TOXIC LEVELS OF AMMONIA, COMBUSTION
PRODUCTS OF NITROGEN, CARBON MONOXIDE, CARBON DIOXIDE, ALDEHYDES
AND KETONES.

Conditions to Avoid Polymerization:DO NOT OCCU
R.

===== Disposal Considerations =====

Waste Disposal Methods:HAS RCRA CHARACTERISTIC OF IGNITABILITY (D001)
AS PURCHASED. UNDER RCRA IT IS THE RESPONSIBILITY OF THE USER TO
DETERMINE, AT TIME OF DISPOSAL, WHETHER PRODUCT MEETS RCRA CRITERIA
FOR HAZARDOUS WASTE.

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