

CHEMAX CORPORATION -- BIO STAT #A 110 -- 6850-01-311-8976

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

Product ID: BIO STAT #A 110

MSDS Date: 10/24/1989

FSC: 6850

NIIN: 01-311-8976

MSDS Number: BHMBQ

=== Responsible Party ===

Company Name: CHEMAX CORPORATION

Address: HWY 90 W

Box: 7453

City: BEAUMONT

State: TX

ZIP: 77726-1453

Country: US

Info Phone Num: 409-866-4232

Emergency Phone Num: 800-346-0132

CAGE: 66698

=== Cont

ractor Identification ===

Company Name: CHEMAX CORP

Address: HWY. 90 WEST

Box: 7453

City: BEAUMONT

State: TX

ZIP: 77726-1453

Country: US

Phone: 800-346-0132/409-866-4232 (INFO)

CAGE: 66968

Company Name: CHEMAX CORPORATION

Box: 7463

City: BEAUMONT

State: TX

ZIP: 77706

Phone: (409) 866-4232

CAGE: 66698

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

Ingred Name: MONOCYCLIC TERPENE

CAS: 5989-27-5

Fraction by Wt: 95.0%

Ingred Name: NONYL PHENOL POLYETHYLENE GLYCOL

CAS: 26027-38-3

RTECS #: MD09060

00

Fraction by Wt: 5.0%

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:ACUTE:IRRITATION OF  
EYES,SKIN,RESPIRATORY OR G,I.TRACT;REDNESS OR BURNS OF EYES ARE  
POSSIBLE.

Explanation of Carcinogenicity:DATA PER MGF MSDS.  
Effects of Overexposure:SEE HEALTH HAZARDS DATA.  
Medical Cond Aggravated by Exposure:PRE-EXISTING CONDITIONS M  
AY BE  
WORSEN.

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

First Aid:EYES AND SKIN:FLUSH WITH LARGE AMOUNT OF WATER FOR ABOUT  
15-20 MINUTES;SEEK MEDICAL ATTENTION IMMEDIATELY.INHALATION:REMOVE  
TO FRESH AIR;CALL A PHYSICIAN.INGESTION:SEEK MEDICAL ATTENTION  
IMMEDIATELY.

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

Flash Point:160F,71C  
Lower Limits:0.7  
Upper Limits:6.1  
Extinguishing Media:USE CARBON DIOXIDE, FOAM, DRY CHEMICAL, OR  
WATER  
FOG.  
Fire Fighting Procedures:FIRE FIGHTERS SHOULD USE NIOSH APPROVED SCBA &  
FULL PROTECTIVE EQUIPMENT WHEN FIGHTING CHEMICAL FIRE. USE WATER  
SPRAY TO COOL NEARBY CONTAINERS EXPOSED TO FIRE.  
Unusual Fire/Explosion Hazard:KEEP AWAY FROM SPARKS OF OPEN FLAME.FIRE  
OR EXCESSIVE HEAT MAY CAUSE PRODUCTION OF HAZARDOUS DECOMPOSITION  
PRODUCTS.

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

Spill Release Procedures:USE PROPER PERSONAL PROTECTION;CONTAIN FR

EE

LIQUID IF POSSIBLE ;USE INERT ABSORBENT MATERIAL AND COLLECT FOR PROPER DISPOSAL IN AN APPROVED CONTAINER.

=====  
===== Handling and Storage =====

Handling and Storage Precautions:STORE IN COOL,DRY AND WELL VENTILATED AREA.KEEP CONTAINER CLOSED WHEN NOT IN USE.KEEP AWAY FROM HEAT, OPEN FLAMES AND SPARKS.AVOID EXTREME HEAT.  
Other Precautions:WASH THOROUGHLY AFTER EACH USE.

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

Respiratory Protection:USE NIOSH/MSHA APPROVED RESPIRATOR AS REQUIRED FOR VPPORS/MIST IF ABOVE PEL/TLV  
Ventilation:LOCAL/GENERAL TO MAINTAIN PEL/TLV.  
Protective Gloves:IMPERVIOUS  
Eye Protection:SAFETY GLASSES/GOGGLES  
Other Protective Equipment:PROTECTIVE CLOTHINGS.EYE-WASH FACILITIES,SAFETY SHOWER.  
Work Hygienic Practices:AVOID CONTACT WITH EYES AND SKIN;DO NOT BREATHE VAPORS/MIST.WASH THOROUGHLY AFTER EACH USE;DO NOT EAT,DRINK,SMOKE.  
Supplemental Safety and Health  
USE THE PRODUCT AS DIRECTED.

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

HCC:V4  
Boiling Pt:B.P. Text:340F,171C  
Vapor Density:4.7  
Spec Gravity:0.88  
Solubility in Water:EMULSIFIES  
Appearance and Odor:AMBER LIQUID WITH CITRUS ODOR  
Percent Volatiles by Volume:5.0

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

Stability Indicator/Materials to Avoid:YES  
STRONG OXIDIZING AGENTS  
Stability Condition to Avoid:HIGH TEMPERATURES, SPARKS, AND OPEN FLAMES  
Hazardous Decomposition Prod

ucts:NONE SPECIFIED

Conditions to Avoid Polymerization:CATALYSTS SUCH AS ALUMINUM CHLORIDE SHOULD BE AVOIDED

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

Waste Disposal Methods:CONSULT LOCAL AUTHORITIES;DISPOSAL MUST BE IN ACCORDANCE WITH LOCAL,STATE AND FEDERAL REGULATIONS

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.