

SHAPE PRODUCTS -- BROMOTHYMOL BLUE, 0.4% IN METHANOL -- 6810-00-281-4271

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

Product ID:BROMOTHYMOL BLUE, 0.4% IN METHANOL

MSDS Date:04/18/1991

FSC:6810

NIIN:00-281-4271

MSDS Number: BLHGT

=== Responsible Party ===

Company Name:SHAPE PRODUCTS

Address:1127 57TH AVE.

City:OAKLAND

State:CA

ZIP:94621-4427

Country:US

Info Phone Num:415-534-1186

Emergency Phone Num:415-53

4-1186

CAGE:3D869

=== Contractor Identification ===

Company Name:SHAPE PRODUCTS

Address:1127 57TH AVE.

Box:City:OAKLAND

State:CA

ZIP:94621-4427

Country:US

Phone:510-534-1186 OR 800-444-0015

CAGE:3D869

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

Ingred Name:BROMOTHYMOL BLUE

CAS:76-59-5

RTECS #:SJ7450000

Fraction by Wt: 0.4%

Other REC Limits:NONE SPECIFIED

Ingred Name:METHYL ALCOHOL (METHANOL) (SARA III)

CAS:67-56-1

RTECS #:PC1400000

Fraction by Wt: 99.5%

Other REC Lim

its:NONE SPECIFIED
OSHA PEL:S,200PPM/250STEL
ACGIH TLV:S,200PPM/250STEL; 93
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

Ingred Name:SODIUM METHYLATE (SARA III)
CAS:124-41-4
RTECS #:PC3570000
Fraction by Wt: QS 100%
Other REC Limits:NONE SPECIFIED
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

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

LD50 LC50 Mixture:LD50 (ORAL-RAT) 5628 MG/KG
Routes of Entry: Inhalation:YES Skin:NO Ingestion:YES
Reports of Carcinogenicity:NTP:NO IA
RC:NO OSHA:NO
Health Hazards Acute and Chronic:MAY BE FATAL OR CAUSE BLINDNESS IF SWALLOWED.
Effects of Overexposure:INHALATION OF VAPORS MAY CAUSE HEADACHE, NAUSEA, DIZZINESS, FATIGUE, AND WEAKNESS IN ARMS AND LEGS.
Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:INGESTION: IMMEDIATELY INDUCE VOMITING. INHALATION: REMOVE TO FRESH AIR. ASSIST WITH BREATHING, IF NECESSARY. SKIN OR EYE CONTACT: IMMEDIATELY FLUSH WITH PLENTY OF WATER FOR AT LEAST 15 MIN. WHILE REMOVING CONTAMINATED CLOTHING AND SHOES. WASH CLOTHING BEFORE RE-USE.

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

Flash Point Method:CC
Flash Point:53.6F,12.0C
Lower Limits:6.0
Upper Limits:36.0
Extinguishing Media:USE ALCOHOL FOAM, DRY CHEMICAL, OR CARBON DIOXIDE. WATER MAY BE INEFFECTIVE.
Fire Fighting Procedures:FIRE-FIGHTERS SHOULD WEAR PROPER PROTECTIVE EQUIPMENT A

ND SELF-CONTAINED BREATHING APPARATUS. MOVE CONTAINERS
FORM FIRE AREA IF CAN BE DONE SAFELY.

Unusual Fire/Explosion Hazard:COOL FIRE EXPOSED CONTAINERS. VAPORS MAY
FLOW TO DISTANT IGNITION SOURCES AND FLASH BACK. CLOSED CONTAINERS
EXPOSED TO HEAT MAY EXPLODE.

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

Spill Release Procedures:WEAR SELF-CONTAINED BREATHING APPARATUS AND
PROTECTIVE CLOTHING. CAREFULLY SWEEP UP AND REMOVE. SHUT OFF
IGNITION SOURCES. ST

OP LEAK IF POSSIBLE WITHOUT CAUSING HARM.

Neutralizing Agent:NONE

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

Handling and Storage Precautions:KEEP CONTAINER TIGHTLY CLOSED. BOND
AND GROUND CONTAINERS WHEN TRANSFERRING LIQUID. STORE IN A COOL,
DRY, WELL-VENTILATED, FLAMMALE STORAGE AREA.

Other Precautions:NONE

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

Respiratory Protection:NONE REQUIRED WHEN ADEQUATE VENTILATION IS
PRESENT.

Venti
lation:USE ADEQUATE GENERAL OR LOCAL EXHAUST VENTILATION TO KEEP
FUME LEVELS AS LOW AS POSSIBLE.

Protective Gloves:RUBBER GLOVES

Eye Protection:SAFETY GLASSES WITH SIDESHIELDS.

Other Protective Equipment:APPROPRIATE RESPIRATOR OR DUST MASK, IF
AIRBORNE CONCENTRATION IS HIGH.

Work Hygienic Practices:NORMAL PROCEDURES FOR HANDLING CHEMICALS.

Supplemental Safety and Health
NONE

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

HCC:F2

Boiling Pt:=65.C, 149.F

B.P. Text:14

9F,65C
Vapor Pres:96
Vapor Density:1.11
Spec Gravity:0.79

Solubility in Water:COMPLETE
Appearance and Odor:YELLOW TO BLUE COLOR. METHANOL ODOR.
Percent Volatiles by Volume:99.5

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

Stability Indicator/Materials to Avoid:YES
STRONG OXIDIZING AGENTS, STRONG ACIDS.
Stability Condition to Avoid:HEAT, FLAME, OR OTHER SOURCES OF IGNITION.
Hazardous Decomposition Products:CARBON MONOXIDE AND/OR CARBON DIOXIDE.

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

Waste Disposal Methods:DISPOSE IN ACCORDANCE WITH ALL APPLICABLE
FEDERAL, STATE, AND LOCAL ENVIRONMENTAL REGULATIONS. EPA HAZARDOUS
WASTE NUMBER: U154 (TOXIC 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.