

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:415-534

-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 Limi

ts: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

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===== 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 IAR  
C: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.

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

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

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===== 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 AN

D SELF-CONTAINED BREATHING APPARATUS. MOVE CONTAINERS  
FROM 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. STO

P 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.

Ventil

ation: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:149

F,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).

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