

MILITARY SPECIFICATIONS PROMULGATED BY MILITARY -- BLUE 15045, 44-150-P SO-SURE --
8010-00-988-1458

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

Product ID:BLUE 15045, 44-150-P SO-SURE

MSDS Date:09/12/1990

FSC:8010

NIIN:00-988-1458

MSDS Number: BRPFS

=== Responsible Party ===

Company Name:MILITARY SPECIFICATIONS PROMULGATED BY MILITARY

Address:DEPTS/AGENCIES UNDER AUTH OF DEFENSE STD

Box:MANUAL

City:4120 3-

M

State:VA

ZIP:23297-5680

Country:US

Info Phone Num:800-848-4847 DSN 695-5168

Emergency Phone Num:DSN 695-4371

CAGE:81349

=== Contractor Identification ===

Company Name:MILITARY SPECIFICATIONS PROMULGATED BY MILITARY

Address:DEPTS/AGENCIES UNDER AUTH OF DEF STD

Box:MANUAL

City:4120 3-M

Phone:804-279-4371 DSN 695-4371

CAGE:81349

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

Ingred Name:MINERAL SPIRITS

CAS:64475-85-0

RTECS #:PY8240000

Fraction by Wt: 5%

Other REC Limits:NO

NE SPECIFIED

ACGIH TLV:100 PPM

Ingred Name:ETHYL BENZENE (SARA III)

CAS:100-41-4

RTECS #:DA0700000

Fraction by Wt: 5%

Other REC Limits:NONE SPECIFIED

OSHA PEL:100 PPM/125 STEL

ACGIH TLV:100 PPM/125STEL 9192

EPA Rpt Qty:1000 LBS

DOT Rpt Qty:1000 LBS

Ingred Name:TITANIUM DIOXIDE

CAS:13463-67-7

RTECS #:XR2275000

Fraction by Wt: 1%

Other REC Limits:NONE SPECIFIED

OSHA PEL:15 MG/M3 TDUST

ACGIH TLV:10 MG/M3 TDUST; 9293

Other REC Limits:NONE SPECIFIED
OSHA PEL:1000PPM
ACGIH TLV:750PPM/1000STEL;9293
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

Ingred Name:TOLUENE (SARA III)
CAS:108-88-3
RTECS #:XS5250000
Fraction by Wt: 15%
Other REC Limits:NONE SPECIFIED
OSHA PEL:200 PPM/150 STEL
ACGIH TLV:50 PPM; 9293
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

Ingred Name:PROPANE
CAS:74-98-6
RTECS #:TX2275000
Fraction by Wt: 19%
Other REC Limits:NONE SPECIFIED
OSHA PEL:1000 PPM
ACGIH TLV:ASPHYXIAN; 9192

Ingred Name:ISOBUTANE
CAS:75-28-5
RTECS #:TZ4300000
Fraction by Wt: 4%
Other REC Limits:NONE SPECIFIED
ACGIH TLV:800 PPM

Ingred Name:BUTANE
CAS:106-97-8
RTECS #:EJ4200000
Fraction by Wt: 7%
Other REC Limits:NONE SPECIFIED
OSHA PEL:800 PPM
ACGIH TLV:800 PPM; 9192

===== 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:INTENTIONAL MISUSE BY DELIBERATELY
CONCE

IRRITATING AND INHALING THE CONTENTS MAY BE HARMFUL OR FATAL.
REPORTS HAVE ASSOCIATED REPEATED AND PROLONGED OCCUPATIONAL OVER
EXPOSURE TO SOLVENTS WITH PERMANENT BRAIN AND NERVOUS SYSTEM
DAMAGE. IN CONFINED AREAS VAPORS IN HIGH CONCENTRATION ARE
ANESTHETIC.

Explanation of Carcinogenicity:PRODUCT CONTAINS NO INGREDIENTS
CURRENTLY CLASSIFIED AS CARCINOGENIC BY NTP, IARC OR OSHA.

Effects of Overexposure:IRRITATION TO SKIN AND RESPIRATORY TRACT. OVER
EXPOSURE MAY RESULT IN LI

GHT HEADEDNESS, STAGGERING GAIT, GIDDINESS
AND POSSIBLE NAUSEA. HARMFUL OR FATAL IF SWALLOWED. SEVERE EYE
IRRITATION.

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:IN CASE OF EYE CONTACT: IMMEDIATELY FLUSH THOROUGHLY WITH
WATER AND GET MEDICAL ATTENTION. IF SWALLOWED: CALL A PHYSICIAN
IMMEDIATELY. ONLY INDUCE VOMITING AT THE INSTRUCTIONS OF A
PHYSICIAN. NEVER GIVE ANYTHING
BY MOUTH TO AN UNCONSCIOUS PERSON.
GET MEDICAL ATTENTION. INHALATION: MOVE PERSON TO WELL VENTILATED
AREA. SKIN CONTACT: WIPE WITH CLEAN CLOTH. WASH WITH SOAP AND
WATER.

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

Flash Point:NR
Autoignition Temp:Autoignition Temp Text:874F
Lower Limits:1.8
Upper Limits:9.5
Extinguishing Media:CARBON DIOXIDE, DRY CHEMICAL, FOAM.
Fire Fighting Procedures:WATER MAY BE INEFFECTIVE. WATER MAY BE USED TO
KEEP FIRE EXPOSED CO
NTAINER COOL.
Unusual Fire/Explosion Hazard:DO NOT SPRAY NEAR OPEN FLAME. KEEP AT
ROOM TEMPERATURE AS EXPOSURE TO HEAT MAY CAUSE BURSTING.

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

Spill Release Procedures:REMOVE ALL SOURCES OF IGNITION. VENTILATE
AREA. MOP SPILLS WITH INERT ABSORBENT. AVOID BREATHING VAPORS.
Neutralizing Agent:USE INERT ABSORBENT

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

Handling and Storage Precautions:DANGER! EXT

REMELY FLAMMABLE LIQUID AND
VAPORS. VAPOR MAY CAUSE FLASH FIRE. KEEP AWAY FROM HEAT, SPARKS &
FLAME. STORE BETWEEN 0C & 40C (32F & 120F)

Other Precautions:DO NOT SMOKE WHILE SPRAYING. USE ONLY WITH ADEQUATE
VENTILATION. IF YOU EXPERIENCE EYE WATERING, HEADACHES OR
DIZZINESS, INCREASE FRESH AIR OR WEAR RESPIRATOR, PROTECTION
(NIOSH/MSHA TC-23 OR EQUIVALE NT) OR LEAVE THE AREA.

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

Respiratory Protection:AVOID BR
EATING OF VAPORS OR SPRAY MIST. IF

NECESSARY USE NIOSH/MSHA TC-23C OR EQUIVALENT.

Ventilation:LOCAL EXHAUST VENTILATION(EXPLOSION PROOF)IN VOL/PATTERN TO
KEEP TLV OF HAZARDOUS INGREDIENTS BELOW ACCEPTABLE LIMITS

Protective Gloves:CHEMICAL RESISTANT

Eye Protection:SAFETY GLASSES W/UNPERFORATED SIDESHIELD

Other Protective Equipment:EXPLOSION PROOF LIGHTING AND VENTILATING
EQUIPMENT

Supplemental Safety and Health
KEEP OUT OF REACH OF CHILDREN.

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===== Physical/Chemical Pro
perties =====

HCC:V3

Vapor Pres:80PSIG@70F

Vapor Density:>1

Spec Gravity:>1

Evaporation Rate & Reference: