

GATES ENGINEERING CO.,INC. -- N-450-11 SOLVENT BLEND (NEW FORMULA) -- 6850-00-182-6467  
===== Product Identification =====

Product ID:N-450-11 SOLVENT BLEND (NEW FORMULA)

MSDS Date:02/01/1991

FSC:6850

NIIN:00-182-6467

MSDS Number: BJSDN

=== Responsible Party ===

Company Name:GATES ENGINEERING CO.,INC.

Address:100 S. WEST STREET

City:WILMINGTON

State:DE

ZIP:19801

Country:US

Info Phone Num:302-656-9

951 ....DISCONNECTED....

Emergency Phone Num:.....DISCONNECTED....

CAGE:88112

=== Contractor Identification ===

Company Name:GATES ENGINEERING CO.,INC.

Address:100 S. WEST STREET

Box:City:WILMINGTON

State:DE

ZIP:19801

Country:US

Phone:.....DISCONNECTED....

CAGE:88112

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

Ingred Name:TOLUENE (SARA III)

CAS:108-88-3

RTECS #:XS5250000

Fraction by Wt: 50%

Other REC Limits:N/K

OSHA PEL:200 PPM/150 STEL

ACGIH TLV:50 PPM; 9293

EPA Rp

t Qty:1000 LBS  
DOT Rpt Qty:1000 LBS

Ingred Name:PETROLEUM DISTILLATE  
CAS:64742-89-8  
Fraction by Wt: 30%  
Other REC Limits:N/K  
OSHA PEL:N/K  
ACGIH TLV:N/K

Ingred Name:METHYL ISOBUTYL KETONE (SARA III)  
CAS:108-10-1  
RTECS #:SA9275000  
Fraction by Wt: 20%  
Other REC Limits:N/K  
OSHA PEL:100 PPM/75 STEL  
ACGIH TLV:50 PPM/75 STEL; 9293  
EPA Rpt Qty:5000 LBS  
DOT Rpt Qty:5000 LBS

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

LD50 LC50 Mixture:N/K  
Routes of Entry: Inhalation:YES  
Skin:YES Ingestion:NO  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:ROUTES OF ENTRY: THE MFR STATES THAT THE EYES ARE ALSO A ROUTE OF ENTRY. SEE SIGNS AND SYMPTOMS OF OVEREXPOSURE.  
Effects of Overexposure:EYES:WILL CAUSE IRRITATION. SKIN:MAY CAUSE SKIN IRRITATION AND DERMATITIS UPON PROLONGED OR REPEATED USE.  
INHALATION: IT IS A RESPIRATORY TRACT IRRITANT AND ANESTHETIC AND CAUSES CENTRAL NERVOUS SYSTEM DEPRESSION. INGEST: MAY CAUSE LIVER AND/OR KIDNEY DAMAGE.  
Medical Cond Aggravated by Exposure:ANY ALLERGY, ECZEMA, SKIN CONDITION, PREEXISTING HEART OR LUNG DISORDER. PREEXISTING LIVER OR KIDNEY DISORDER.

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

First Aid:EYES: FLUSH WITH LARGE AMOUNTS OF WATER FOR AT LEAST 15 MINUTES. CONSULT A PHYSICIAN. SKIN: WASH THOROUGHLY WITH SOAP AND WATER. INHALATION: REMOVE TO FRESH AIR. IF BREATHING STOPS, BEGIN ARTIFICIAL RESPIRATION AND CON

SULT A PHYSICIAN. INGESTION: CONSULT  
PHYSICIAN. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

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

Flash Point Method:SCC

Flash Point:28.0F,-2.2C

Lower Limits:0.9

Upper Limits:8.0

Extinguishing Media:FOAM, CARBON DIOXIDE OR DRY CHEMICAL

Fire Fighting Procedures:USE NIOSH/MSHA APPROVED SCBA AND FULL  
PROTECTIVE EQUIPMENT .

Unusual Fire/Explosion Hazard:SOLVENT VAPORS MAY TRAVEL CONSIDERABLE  
DISTANCES AND FLASH B  
ACK FROM A SOURCE OF IGNITION.

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

Spill Release Procedures:ABSORB ON SUITABLE INERT MATERIAL. REMOVE ALL  
SOURCES OF IGNITION.

Neutralizing Agent:N/K

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

Handling and Storage Precautions:KEEP AND STORE IN COOL, DRY PLACE AWAY  
FROM SOURCES OF IGNITION. GROUND DURING TRANSFER.

Other Precautions:REPEATED AND PROLONGED OVEREXPOSURE TO SOLVENTS MAY  
CAUSE BRA

IN AND NERVOUS SYSTEM DAMAGE. CONCENTRATING AND INHALING  
THE CONTENTS MAY BE HARMFUL OR FATAL.

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

Respiratory Protection:USE A NIOSH/MSHA APPROVED CARTRIDGE RESPIRATOR  
UNLESS AIR MONITORING DEMONSTRATES THAT VAPOR/MIST LEVELS ARE  
WITHIN APPLICABLE LIMITS.

Ventilation:MECHANICAL EXHAUST

Protective Gloves:IMPERVIOUS

Eye Protection:CHEM WORK GOGGLE,FACESHLD OPTIONAL

Other Protective Equipment:AVAILABILITY OF EYE WASHES A

ND SAFETY

SHOWERS IS RECOMMENDED.

Work Hygienic Practices:N/K

Supplemental Safety and Health

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

HCC:F2

Boiling Pt:B.P. Text:200F,93C

Melt/Freeze Pt:M.P/F.P Text:N/K

Decomp Temp:Decomp Text:N/K

Vapor Pres:20-30

Vapor Density:CA. 3

Spec Gravity:0.8

Evaporation Rate & Reference:1.5-2 (BUTYL ACETATE = 1)

Solubility in Water:SLIGHTLY

Appearance and Odor:COLORLESS, CLEAR LIQUID WITH CHARACTERISTIC ODOR

Percent Volatiles by

Volume:100

Corrosion Rate:

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

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZERS

Stability Condition to Avoid:SPARKS, OPEN FLAMES OR HOT SURFACES

Hazardous Decomposition Products:CARBON MONOXIDE AND CARBON DIOXIDE

Conditions to Avoid Polymerization:WILL NOT OCCUR

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

Waste Disposal Methods:DISPOSE OF IN ACCORDANCE WITH APPLICABLE  
FEDERAL, STATE AND LOCAL REGULATIONS.

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articular situation.