

## **DYKEM LAYOUT FLUIDS**

### **MSDS Number**

BBKQM

### **National Stock Number**

8010-00F002290

### **Product Name**

DYKEM LAYOUT FLUIDS

### **Manufacturer**

DYKEM COMPANY

### **Product Identification**

Product ID: DYKEM LAYOUT FLUIDS

MSDS Date: 07/12/1989

FSC: 8010

NIIN: 00F002290

MSDS Number: BBKQM

### **Responsible Party**

DYKEM COMPANY

8501 DELPORT DRIVE

ST. LOUIS , MO 63114

Emergency Phone: (314) 423-0100

Info Phone: (314) 423-0100

Preparer: R.J. BELLEVILLE

Cage: EO153

### **Contractor**

ITW DYKEM/ DYMON

OLATHE, KS 66061

US

800-443-9536

Cage: 98148

### **Ingredients**

ETHYL ALCOHOL (ETHANOL)

CAS: 64-17-5

RTECS: KQ6300000

Fraction By Weight: 55-65%

OSHA PEL1000 PPM

ACGIH TLV: 1000 PPM; 9192

N-BUTYL ALCOHOL (SARA III)

CAS: 71-36-3

RTECS: EO1400000

Fraction By Weight: 3-6%

OSHA PEL100 PPM

ACGIH TLV: S, C 50 PPM; 9293

EPA Report Quantity: 5000 LBS

DOT Report Quantity: 5000 LBS

WET NITROCELLULOSE, NITROCELLULOSE, NITRATE CELLULOSE

CAS: 9004-70-0

RTECS: QW0975200

Fraction By Weight: 70%

ISOPROPYL ALCOHOL (SARA III)

CAS: 67-63-0

RTECS: NT8050000

Fraction By Weight: 30%

OSHA PEL400 PPM/500 STEL

ACGIH TLV: 400 PPM/500STEL;9192

PROPANE

CAS: 74-98-6

RTECS: TX2275000

Fraction By Weight: 51%

OSHA PEL1000 PPM

ACGIH TLV: ASPHYXIAN; 9192

ISOBUTANE, 2-METHYLPROPANE

CAS: 75-28-5

RTECS: TZ4300000

Fraction By Weight: 48%

OSHA PEL1800 MG/CUM

ACGIH TLV: 1000 PPM

BUTANE

CAS: 106-97-8

RTECS: EJ4200000

Fraction By Weight: 1%

OSHA PEL800 PPM

ACGIH TLV: 800 PPM; 9192

DYE

Fraction By Weight: 1-3%

N-BUTYL ACETATE (SARA III)

CAS: 123-86-4

RTECS: AF7350000

Fraction By Weight: 25-35%

OSHA PEL150 PPM/200 STEL

ACGIH TLV: 150 PPM/200STEL;9192

EPA Report Quantity: 5000 LBS

DOT Report Quantity: 5000 LBS

## Hazards

Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:INHALATION: RESPIRATORY IRRITATION, HEADACHE, DIZZINESS, & NAUSEA. EYES: BURNING & IRRITATION. SKIN: DRYING, IRRITATION, & DERMATITIS.

Explanation of Carcinogenicity:NONE

Effects of Overexposure:INHALATION: RESPIRATORY IRRITATION, HEADACHE, DIZZINESS, & NAUSEA. EYES: BURNS & IRRITATION. SKIN: DRYING, IRRITATION, & DERMATITIS.

Medical Cond Aggravated by Exposure:DERMATITIS

## First Aid

First Aid:EYES/SKIN: FLUSH W/PLENTY OF WATER FOR AT LEAST 15 MINUTES.

INHALATION: REMOVE TO FRESH AIR. INGESTION: OBTAIN MEDICAL ATTENTION IN ALL CASES.

## Fire Fighting

Flash Point Method:TCC

Flash Point:57F

Lower Limits:1.4%

Upper Limits:11.2%

Extinguishing Media:CO2, DRY CHEMICAL, REGULAR FOAM

Fire Fighting Procedures:USE WATER TO KEEP FIRE-EXPOSED CONTAINERS COOL. WEAR SELF-CONTAINED BREATHING APPARATUS IN ENCLOSED AREAS.

Unusual Fire/Explosion Hazard:VAPORS ARE >AIR & MAY TRAVEL ALONG GROUND OR MAY BE MOVED BY VENTILATION & IGNITED BY SPARK, FLAME, & OTHER IGNITION SOURCES.

## Accidental Release

Spill Release Procedures:WEAR PERSONAL PROTECTIVE EQUIPMENT. REMOVE HEAT & IGNITION SOURCES. VENTILATE AREA. CLEAN UP W/INERT ABSORBENT.

## Handling

Handling and Storage Precautions:STORE COOL & DRY AWAY FROM HEAT, SPARKS, & OPEN FLAME. USE W/ADEQUATE VENTILATION. AVOID CONTACT W/SKIN.

Other Precautions:NONE

## Exposure Controls

Respiratory Protection:IF >TLV, WEAR NIOSH APPROVED ORGANIC VAPOR RESPIRATOR.

Ventilation:LOCAL EXHAUST/MECHANICAL: ACCEPTABLE UNDER NORMAL CONDITIONS.

Protective Gloves:AS NEEDED

Eye Protection:CHEMICAL SPLASH GOGGLES, FACE SHIELD

Other Protective Equipment:CHEMICAL RESISTANT APRON

Supplemental Safety and Health

DYE, N-BUTYL ACETATE, DENATURED ETHYL ALCOHOL, N-BUTYL ALCOHOL IS 53%-66% OF CAN. CELLULOSE, NITRATE, ISOPROPYL ALCOHOL, IS 4%-8% OF CAN. HYDROCARBON PROPELLANT: PROPANE, ISOBUTANE, & BUTANE IS 30%-40% OF CAN.

## Chemical Properties

Boiling Pt:B.P. Text:160F

Melt/Freeze Pt:M.P/F.P Text:LIQUID

Vapor Pres:36

Vapor Density: >1  
Spec Gravity: 0.86  
Evaporation Rate & Reference: (BU AC = 1): >1  
Solubility in Water: APPRECIABLE  
Appearance and Odor: INTENSE COLOR W/SWEET SOLVENT ODOR.

### **Stability**

Stability Indicator/Materials to Avoid: YES  
STRONG OXIDIZING MATERIALS  
Stability Condition to Avoid: SPARK, FLAME, IGNITION SOURCES, HEAT  
Hazardous Decomposition Products: CO, CO<sub>2</sub>

### **Disposal**

Waste Disposal Methods: WASTE MAY BE BURNED IN AN APPROVED INCINERATOR,  
OR DISPOSE OF ACCORDING TO LOCAL, STATE, & FEDERAL REGULATIONS.

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