

MEASUREMENTS GROUP INC -- M-BOND 610 ADHESIVE -- 8040-00-117-7257

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Product Identification
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Product ID:M-BOND 610 ADHESIVE
MSDS Date:07/27/1999
FSC:8040
NIIN:00-117-7257
Status Code:A
Kit Part:Y
MSDS Number: CLGHR
=== Responsible Party ===
Company Name:MEASUREMENTS GROUP INC
Address:9517 US 64 HWY
City:WENDELL
State:NC
ZIP:27591
Country:US
Info Phone Num:919-365-3800
Emergency Phone Num:
800-424-9300
Preparer's Name:RYAN MICKELSON
CAGE:88952

==== Contractor Identification ====

Company Name:MEASUREMENTS GROUP INC
Address:9517 US 64 HWY
Box:City:WENDELL
State:NC
ZIP:27591
Country:US
Phone:919-365-3800
CAGE:88952

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Composition/Information on Ingredients
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Ingred Name:TETRAHYDROFURAN
CAS:109-99-9
RTECS #:LU5950000
Minumum % Wt:58.
Maxumum % Wt:64.4
OSHA PEL:590 MG/M3;200 PPM
ACGIH TLV:590 MG/M3;200 PPM
ACGIH STEL:737 MG/M3;250 PPM
EPA Rpt Qty:1000 LBS
DOT R

pt Qty:1000 LBS

Ingred Name:PHENOL, POLYMER WITH FORMALDEHYDE, GLYCIDYL ETHER

CAS:28064-14-4

Minumum % Wt:26.7

Maxumum % Wt:30.3

Ingred Name:METHYL ETHYL KETONE

CAS:78-93-3

RTECS #:EL6475000

Minumum % Wt:5.3

Maxumum % Wt:8.9

OSHA PEL:590 MG/M3;200 PPM

ACGIH TLV:590 MG/M3;200 PPM

ACGIH STEL:885 MG/M3;300 PPM

EPA Rpt Qty:5000 LBS

DOT Rpt Qty:5000 LBS

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

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

Health Hazards Acute an

d Chronic: HEALTH HAZARDS (ACUTE AND CHRONIC):

CHRONIC OVER EXPOSURE MAY RESULT IN KIDNEY AND/OR LIVER DAMAGE.

Effects of Overexposure:INHALATION: MAY CAUSE HEADACHE, NAUSEA,
VOMITING, DIZZINESS, NARCOSIS, RESPIRATORY FAILURE, LOW BLOOD
PRESSURE, CENTRAL NERVOUS SYSTEM DEPRESSION, COUGHING, DIFFICULT
BREATHING. EYE CONTACT: MAY CAUSE SEVERE IRRITATION OR BURNS.
MAY CAUSE PAIN ON CONTACT. VAPORS MAY IRRITATE EYES. SKIN
CONTACT: MAY CAUSE SEVERE IRRITATION OR BURNS. AB

SORPTION INTO THE

SKIN MAY CAUSE DERMATITIS. REPEATED CONTACT MAY CAUSE DRYING OR
FLAKING OF SKIN. INGESTION: MAY CAUSE HEADACHE, NAUSEA, VOMITING,
DIZZINESS, GASTROINTESTINAL IRRITATION

Medical Cond Aggravated by Exposure:SKIN DISORDERS, RESPIRATORY SYSTEM
DISEASE

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

First Aid:INHALATION: IF INHALED, MOVE TO FRESH AIR. IF NOT BREATHING,
GIVE ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT, GIVE
OXYG

EN. EYE CONTACT: IN CASE OF EYE CONTACT, IMMEDIATELY FLUSH EYES WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES WHILE HOLDING EYELIDS OPEN. SKIN CONTACT: IN CASE OF CONTACT, FLUSH SKIN WITH WATER WHILE REMOVING CONTAMINATED CLOTHING. WASH AFFECTED AREA WITH SOAP AND WATER. LAUNDRY CONTAMINATED CLOTHING BEFORE REUSE. INGESTION: CALL A PHYSICIAN. IF SWALLOWED, DO NOT INDUCE VOMITING UNLESS DIRECTED TO DO SO BY A PHYSICIAN. IF CONSCIOUS, GIVE LARGE AMOUNTS OF WATER.

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

Flash Point Method:PMCC

Flash Point:=-14.4C, 6.F

Lower Limits:1.8

Upper Limits:11.8

Extinguishing Media: ALCOHOL FOAM, DRY CHEMICAL, CARBON DIOXIDE.

Fire Fighting Procedures:FIREFIGHTERS SHOULD WEAR PROPER PROTECTIVE EQUIPMENT AND SELF-CONTAINED BREATHING APPARATUS WITH FULL FACEPIECE OPERATED IN THE POSITIVE PRESSURE MODE. MOVE CONTAINERS FROM FIRE AREA IF CAN BE DONE WITHOUT RISK. USE WATER TO KEEP FIRE-EXPOSED CONTAINERS COOL.

Unusual Fire/Explosion Hazard:VAPORS MAY FLOW ALONG SURFACES TO DISTANT IGNITION SOURCE AND FLASH BACK. CLOSED CONTAINERS EXPOSED TO HEAT MAY EXPLODE. CONTACT WITH STRONG OXIDIZERS MAY CAUSE FIRE. MAY FORM EXPLOSIVE PEROXIDES, ESPECIALLY WHEN HEATED.

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

Spill Release Procedures:WEAR SELF CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE CLOTHING. SHUT OFF IGNITION SOURCES; FLARES, SMOKING OR FLAMES IN AREA. STOP LEAK IF YOU CAN DO SO WITHOUT RISK. USE WATER SPRAY TO REDUCE VAPORS. TAKE UP WITH SAND OR OTHER NON COMBUSTIBLE ABSORBENT MATERIAL AND PLACE INTO CONTAINER FOR LATER DISPOSAL. FLUSH AREA WITH WATER.

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

Handling and Storage Precautions:KEEP CONTAINERS TIGHTLY CLOSED. STORE IN A COOL , DRY, WELL VENTILATED, FLAMMABLE LIQUID STORAGE AREA. KEEP PRODUCT OUT OF LIGHT.

Other Precautions:KEEP CONTAINERS

INERS TIGHTLY SEALED. AVOID PROLONGED EXPOSURE TO VAPORS AND SKIN CONTACT.

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

Respiratory Protection:RESPIRATORY PROTECTION REQUIRED IF AIRBORNE CONCENTRATION EXCEEDS TLV. AT CONCENTRATIONS UP TO 1000 PPM, A CARTRIDGE RESPIRATOR WITH ORGANIC VAPOR CARTRIDGE IS RECOMMENDED. ABOVE THIS LEVEL, A SELF-CONTAINED BREATHING APPARATUS IS RECOMMENDED.

Ventilation:LOCAL EXHAUST: KEEP BELOW TLV

Protective Gloves:NEOPRENE GLOVES RECOMMENDED.

Eye Protection:CHEMICAL SPLASH GOGGLES RECOMMENDED.

Other Protective Equipment:IMPERVIOUS OVER-CLOTHING AS NEEDED. SAFETY SHOWER AND EYE WASH STATION IN LOCAL AREA.

Work Hygienic Practices:WASH THOROUGHLY AFTER USING.

Supplemental Safety and Health

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

Boiling Pt:=66.1C, 151.F

Vapor Pres:145@59 DEG F

Vapor Density:2.5

Spec Gravity:0.9

Evaporation Rate & Reference:14.5

Solubility in Water:APPRECIABLE

Appearance and Odor:COLORLESS LIQUID; ETHER LIKE ODOR

Percent Volatiles by Volume:712 G/LITER

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

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZERS

Stability Condition to Avoid:NONE

Hazardous Decomposition Products:POSSIBLE TOXIC GASES OR VAPORS.

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

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

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