

MATERIAL SAFETY DATA SHEET

Water Based Urethane
Product No. 8142-06
CLEAR

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Manufactured For: Gabriel First Corp.
Emergency Phone: 800-424-9300
Address: 233 W. Commercial St.
East Rochester, NY 14445
Product Name: Water Base Urethane CLEAR **Part A**
Prepared On: 11/14/11

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

| <u>INGREDIENT</u> | <u>CAS NO.</u> | <u>OSHA PEL</u> | <u>ACGIH TLV</u> | <u>OSHA STEL</u> | <u>WEIGHT %</u> |
|--|----------------|-----------------|------------------|------------------|-----------------|
| Polyurethane Dispersion NJTSR# (31765300002)-5228P | | NONE | NONE | NONE | |
| *Triethylamine | 121-44-8 | 10PPM | 10PPM | 15PPM | <0.06 |
| *N-Methyl-2-Pyrrolidone | 872-50-4 | 100PPM | 100PPM | 100PPM | 9 |
| Acrylic Polymer | Non Hazardous | NONE | NONE | NONE | |
| Water | 7732-18-5 | NONE | NONE | NONE | |
| *Acrylonitrile | 107-13-1 | 2PPM/SKIN | NONE | 10PPM | <0.005% |
| *Formaldehyde | 50-00-0 | 0.75PPM | NONE | 2PPM | <0.005% |
| *Styrene | 100-42-5 | 50PPM | NONE | 100PPM | <0.5% |
| Antifoam Emulsion | Non Hazardous | NONE | NONE | NONE | |
| Propylene Glycol Monomethyl Ether | 107-98-2 | 100PPM | 100PPM | 150PPM | |

SECTION 2 NOTES:

*** Indicates toxic chemical(s) subject to reporting requirements of section 313 of Title III and of 40 CFR 372.
Triethylamine (ACGIH) STEL=15PPM. N-Methyl Pyrrolidone (As Recommended by the Manufacturer) TWA=100PPM.

SECTION 3: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR: LOW VISCOSITY LIQUID - CLEAR
BOILING POINT OR RANGE: ° F - 192 TO 396
VAPOR DENSITY (AIR = 1): N/A
SPECIFIC GRAVITY (H2O = 1): 1.0
EVAPORATION RATE: N/A
SOLUBILITY IN WATER: EMULSIFIABLE DISPERSION

SECTION 4: FIRE-FIGHTING MEASURES

FLAMMABLE LIMITS IN AIR, UPPER: not available
(% by volume) LOWER: not available
FLASH POINT: 200+F
METHOD USED:
SETA FLASH
EXTINGUISHING MEDIA:
FOAM, ALCOHOL FOAM, CO2, WATER FOG
SPECIAL FIRE FIGHTING PROCEDURES:
TOXIC FUMES WILL BE EVOLVED WHEN THIS MATERIAL IS INVOLVED IN A FIRE. A SELF-CONTAINED BREATHING APPARATUS SHOULD BE AVAILABLE FOR FIRE FIGHTERS. COOL FIRE EXPOSED CONTAINERS WITH WATER.
UNUSUAL FIRE AND EXPLOSION HAZARDS:
NO UNUSUAL FIRE HAZARDS KNOWN.

SECTION 5: STABILITY AND REACTIVITY

STABILITY: STABLE
CONDITIONS TO AVOID (STABILITY):
AVOID CONTACT WITH OPEN FLAMES AND ALL SOURCES OF IGNITIONS AND SPARKS. AVOID TEMPERATURES BELOW 35 DEGRES F.
INCOMPATIBILITY (MATERIAL TO AVOID):
AVOID CONTACT WITH STRONG OXIDIZING AGENTS, AND MINERAL ACIDS.
HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:
CO, CO2, NOX
HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

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SECTION 6: HAZARDS IDENTIFICATION

HMIS HAZARD CLASSIFICATION

HEALTH: 2 FLAMMABILITY: 1 REACTIVITY: 0 PERSONAL PROTECTIVE EQUIPMENT: G

POTENTIAL HEALTH EFFECTS

EYES:

CORNEAL DAMAGE MAY OCCUR BUT THIS EFFECT IS USUALLY REVERSIBLE AS LONG AS TREATMENT IS ADMINISTERED.

SKIN:

IRRITATION TO THE SKIN CAN OCCUR.

INGESTION:

INGESTION OF MATERIAL CAN CAUSE NAUSEA AND OTHER SIMILAR RESPONSES.

INHALATION:

HIGH CONCENTRATIONS OF VAPOR CAN CAUSE IRRITATION TO THE RESPIRATORY TRACT, NAUSEA, AND DIZZINESS.

HEALTH HAZARDS (ACUTE AND CHRONIC):

PROLONGED OR REPEATED EXPOSURE MAY CAUSE ASTHMA AND SKIN SENSITIZATION OR OTHER ALLERGIC RESPONSES

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:

RESPIRATORY CONDITIONS OR OTHER ALLERGIC RESPONSE.

CARCINOGENICITY

OSHA: YES NTP: YES IARC: YES

ADDITIONAL CARCINOGENICITY INFORMATION:

THIS PRODUCT CONTAINS VERY SMALL AMOUNTS OF SUBSTANCES THAT ARE REGULATED BY OSHA AS ANTICIPATED HUMAN CARCINOGENS.

SECTION 7: FIRST AID MEASURES

EYES:

IMMEDIATELY FLUSH WITH LARGE AMOUNTS OF WATER FOR AT LEAST 15 MINUTES WHILE LIFTING UPPER AND LOWER LIDS.

GET IMMEDIATE MEDICAL ASSISTANCE.

SKIN:

FLUSH SKIN WITH WATER FOR AT LEAST 15 MINUTES AND REMOVE ALL CONTAMINATED CLOTHING IMMEDIATELY. GET

MEDICAL ATTENTION IF REDDENING OR SWELLING OCCURS.

INGESTION:

DO NOT INDUCE VOMITING. DILUTE BY GIVING WATER OR MILK TO DRINK IF VICTIM IS CONSCIOUS. GET MEDICAL ATTENTION IMMEDIATELY.

INHALATION:

REMOVE TO FRESH AIR IF EFFECTS PERSIST AND ADMINISTER OXYGEN IF NECESSARY.

NOTES TO PHYSICIANS OR FIRST AID PROVIDERS:

SECTION 8: RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

AVOID CONTACT WITH MATERIAL. WEAR THE APPROPRIATE SAFETY EQUIPMENT. STOP SPILL AT SOURCE, DYKE AREA TO PREVENT SPREADING. PUMP LIQUID TO SALVAGE TANK. TAKE UP REMAINDER WITH CLAY OR OTHER ABSORBANT AND PLACE IN DISPOSAL CONTAINERS.

SECTION 9: WASTE DISPOSAL

WASTE DISPOSAL METHOD:

DISPOSE OF THE MATERIAL IN A WASTE DISPOSAL SITE IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL LAWS.

SECTION 10: HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:

AVOID ALL SKIN CONTACT. AVOID BREATHING VAPORS. RESEAL PARTIALLY USED CONTAINERS. PROPERLY LABEL ALL CONTAINERS. WASH WITH SOAP AND WATER BEFORE EATING, DRINKING, SMOKING OR USING TOILET FACILITIES. OBSERVE CONDITIONS OF GOOD INDUSTRIAL HYGIENE AND SAFE WORKING PRACTICES.

OTHER PRECAUTIONS:

MIXED MATERIALS CONTAIN THE HAZARDS OF ALL THE COMPONENTS, THEREFORE, READ THE MSDS OF ALL COMPONENTS TO BECOME FAMILIAR WITH ALL HAZARDS PRIOR TO USING THIS PRODUCT.

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SECTION 11: EXPOSURE CONTROLS/PERSONAL PROTECTION

RESPIRATORY PROTECTION:

NIOSH APPROVED RESPIRATOR PROTECTION REQUIRED IN THE ABSENCE OF PROPER ENVIRONMENTAL CONTROLS.

VENTILATION:

AVOID BREATHING VAPORS, VENTILATION MUST BE SUFFICIENT TO CONTROL VAPORS.

PROTECTIVE GLOVES:

IMPERVIOUS GLOVES, NEOPRENE OR RUBBER.

EYE PROTECTION:

SPLASH PROOF GOGGLES OR SAFETY GLASSES WITH SIDE SHIELDS

OTHER PROTECTIVE CLOTHING OR EQUIPMENT:

CLEAN BODY COVERING CLOTHING AS WELL AS APRON FOOTWEAR OR OTHER EQUIPMENT SHOULD BE USED AS DEEMED NECESSARY TO AVOID CONTACT WITH THE MATERIAL.

WORK HYGIENIC PRACTICES:

OBSERVE GOOD GENERAL HYGIENIC PRACTICES.

SECTION 12: DISCLAIMER

DISCLAIMER: The information Contained herein is based on the data available and is believed to be accurate, However, the manufacturer makes no warranty expressed or implied regarding the accuracy of this data or the results obtained from the use thereof. Accordingly, we assume no responsibility for injury from the use of this product.

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SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Emergency Phone: 800-424-9300
Address: 233 W. Commercial St.
East Rochester, NY 14445
Product Name: Water Base Urethane CLEAR **Part B**
Prepared On: 11/14/11

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

| <u>INGREDIENT</u> | <u>CAS NO.</u> | <u>OSHA PEL</u> | <u>ACGIH TLV</u> | <u>OSHA STEL</u> | <u>WEIGHT %</u> |
|--------------------------------------|----------------|-----------------|------------------|------------------|-----------------|
| Polyfunctional Aziridine Crosslinker | 64265-57-2 | NONE | NONE | NONE | |

SECTION 2 NOTES:

No toxic chemical(s) subject to the reporting requirements of section 313 of Title III and of 40 CFR 372 are present.

SECTION 3: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR: AMBER CLEAR LIQUID
BOILING POINT OR RANGE: N/A
VAPOR DENSITY (AIR = 1): N/A
SPECIFIC GRAVITY (H₂O = 1): 1.1
EVAPORATION RATE: N/A
SOLUBILITY IN WATER: PARTIALLY SOLUBLE

SECTION 4: FIRE-FIGHTING MEASURES

FLAMMABLE LIMITS IN AIR, UPPER: not available
(% by volume) LOWER: not available
FLASH POINT: 267+F
METHOD USED:
SETA FLASH
EXTINGUISHING MEDIA:
FOAM, ALCOHOL FOAM, CO₂, WATER FOG
SPECIAL FIRE FIGHTING PROCEDURES:
TOXIC FUMES WILL BE EVOLVED WHEN THIS MATERIAL IS INVOLVED IN A FIRE. A SELF-CONTAINED BREATHING APPARATUS SHOULD BE AVAILABLE FOR FIRE FIGHTING. COOL FIRE EXPOSED CONTAINERS WITH WATER.
UNUSUAL FIRE AND EXPLOSION HAZARDS:
NONE KNOWN.

SECTION 5: STABILITY AND REACTIVITY

STABILITY:
STABLE
CONDITIONS TO AVOID:
AVOID CONTACT WITH OPEN FLAMES AND ALL SOURCES OF IGNITIONS AND SPARKS. AVOID CONTACT WITH MOISTURE OR ACIDIC MATERIALS.
INCOMPATIBILITY (MATERIAL TO AVOID):
AVOID CONTACT WITH STRONG OXIDIZING AGENTS AND ACIDIC MATERIALS.
HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:
CO, CO₂, NOX
HAZARDOUS POLYMERIZATION: WILL NOT OCCUR.

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SECTION 6: HAZARDS IDENTIFICATION

HMIS HAZARD CLASSIFICATION

HEALTH: 2 FLAMMABILITY: 1 REACTIVITY: 0 PERSONAL PROTECTIVE EQUIPMENT: G

POTENTIAL HEALTH EFFECTS

EYES:

WILL CAUSE BURNS TO THE EYES. HIGH VAPOR CONCENTRATIONS CAN CAUSE SEVERE IRRITATION TO THE EYES AS WELL AS REDDENING OR TEARING.

SKIN:

THIS PRODUCT IS A MILD SKIN IRRITANT THAT MAY CAUSE SKIN IRRITATION.

INGESTION:

LIQUID CAN CAUSE SEVERE DAMAGE TO MUCOUS MEMBRANES IF SWALLOWED.

INHALATION:

HIGH CONCENTRATIONS OF VAPOR CAN CAUSE IRRITATION TO THE RESPIRATORY TRACT, NAUSEA, AND DIZZINESS.

HEALTH HAZARDS (ACUTE AND CHRONIC):

PROLONGED OR REPEATED EXPOSURE MAY CAUSE ASTHMA AND SKIN SENSITIZATION OR OTHER ALLERGIC RESPONSES. EFFECTS OF CHRONIC EXPOSURE HAS SHOWN IN TESTING, A MILDLY POSITIVE RESPONSE IN THE AMES MUTAGENICITY SCREENING TESTS (AMES SALMONELLA TEST).

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:

RESPIRATORY CONDITIONS OR OTHER ALLERGIC AILMENTS AS WELL AS PRE-EXISTING SKIN AND EYE DISORDERS MAY BE AGGRAVATED.

CARCINOGENICITY

OSHA: NO NTP: NO IARC: NO

ADDITIONAL CARCINOGENICITY INFORMATION:

SEE CHRONIC HEALTH HAZARDS ABOVE FOR INFORMATION ON EFFECTS OF CHRONIC EXPOSURE AND THE POSSIBLE HEALTH EFFECTS.

SECTION 7: FIRST AID MEASURES

EYES:

IMMEDIATELY FLUSH WITH LARGE AMOUNTS OF WATER FOR AT LEAST 15 MINUTES WHILE LIFTING UPPER AND LOWER LIDS. GET IMMEDIATE MEDICAL ASSISTANCE.

SKIN:

FLUSH SKIN WITH WATER FOR AT LEAST 15 MINUTES AND REMOVE ALL CONTAMINATED CLOTHING IMMEDIATELY. GET MEDICAL ATTENTION IF REDDENING OR SWELLING OCCURS.

INGESTION:

DILUTE BY GIVING WATER OR MILK TO DRINK IF VICTIM IS CONSCIOUS AND INDUCE VOMITING. GET MEDICAL ATTENTION IMMEDIATELY.

INHALATION:

REMOVE TO FRESH AIR IF EFFECTS PERSIST AND ADMINISTER OXYGEN IF NECESSARY.

NOTES TO PHYSICIANS OR FIRST AID PROVIDERS:

SECTION 8: RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

WEAR THE APPROPRIATE SAFETY EQUIPMENT. STOP SPILL AT SOURCE, DYE AREA TO PREVENT SPREADING. NEUTRALIZE WITH 5% ACETIC ACID. TAKE UP REMAINDER WITH CLAY OR OTHER ABSORBENT AND PLACE IN DISPOSAL CONTAINERS.

SECTION 9: WASTE DISPOSAL

WASTE DISPOSAL METHOD:

DISPOSE OF MATERIAL ACCORDING TO FEDERAL, STATE, AND LOCAL REGULATIONS.

SECTION 10: HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:

AVOID ALL SKIN CONTACT. AVOID BREATHING VAPORS. RESEAL PARTIALLY USED CONTAINERS. PROPERLY LABEL ALL CONTAINERS. WASH WITH SOAP AND WATER BEFORE EATING, DRINKING, SMOKING, OR USING TOILET FACILITIES. OBSERVE CONDITIONS OF GOOD INDUSTRIAL HYGIENE AND SAFE WORKING PRACTICES.

OTHER PRECAUTIONS:

MIXED MATERIALS CONTAIN THE HAZARDS OF ALL THE COMPONENTS, THEREFORE, READ THE MSDS OF ALL COMPONENTS TO BECOME FAMILIAR WITH ALL HAZARDS PRIOR TO USING THIS PRODUCT.

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RESPIRATORY PROTECTION:

NIOSH APPROVED RESPIRATOR PROTECTION REQUIRED IN THE ABSENCE OF PROPER ENVIRONMENTAL CONTROLS. FOR EMERGENCIES A SELF-CONTAINED BREATHING APPARATUS OR A FULL FACE RESPIRATOR IS RECOMMENDED.

VENTILATION:

AVOID BREATHING VAPORS. VENTILATION MUST BE SUFFICIENT TO CONTROL VAPORS.

PROTECTIVE GLOVES:

IMPERVIOUS GLOVES – NEOPRENE OR RUBBER

EYE PROTECTION:

SPLASH PROOF GOGGLES OR GLASSES WITH SIDE SHIELDS

OTHER PROTECTIVE CLOTHING OR EQUIPMENT:

WEAR BODY COVERING CLOTHING AND OTHER COVERINGS AS NECESSARY SUCH AS APRON AND APPROPRIATE FOOTWEAR TO AVOID CONTACT WITH MATERIAL.

WORK HYGIENIC PRACTICES:

OBSERVE GOOD GENERAL HYGIENIC PRACTICES.

SECTION 12: DISCLAIMER

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