



Product Name: Reducer AMR2712

Date of last alteration: December 15, 2004

SECTION 1: IDENTIFICATION

Info Furnished By	Alsa Corporation		
Address	2640 East 37 th Street, Vernon CA, 90058		
Emergency Phone	800-535-5053 / 352-323-3500		
Date Effective	December 15, 2004		
Product or Trade Name	Medium Urethane Reducer (AMR 2712)		
Chemical Family	Blends		
Hazardous Ingredients	Gas Registration #	Hazard Data ACGIH (TWA)	Data OSHA (TWA)
ESTER	141-78-6	400PMM	400PMM
AROMATIC HYDROCARBON	108-88-3	50PMM	50PMM
ESTER	123-86-4	150PMM	150PMM
ESTER	108-65-6	N.E	N.E.

SECTION 2: PHYSICAL DATA

Boiling Point (760 MM HG)....	171 F- 294 F
% Volatile By Volume.....	100
Melting Point.....	N/A
Vapor Pressure (20 Deg C)...	30.5 MM HG
Vapor Density (Air = 1).....	> 1
Solubility In Water.....	NIL
Appearance & Color.....	CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC ODOR.
Specific Gravity.....	0.893
Evaporation Rate (Bu.Ac. = 1)	N.D.
VOC (G/L).....	893

SECTION 3: FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: 65 F (APPROX)

FLAMMABLE LIMITS IN AIR % BY VOLUME:

LOWER: N.D.
UPPER: N.D.

EXTINGUISHING MEDIA:

APPLY ALCOHOL-TYPE OR ALL PURPOSE-TYPE FOAMS BY MANUFACTURERS RECOMMENDED TECHNIQUES FOR LARGE FIRES. USE CO2 OR DRY CHEMICAL MEDIA FOR SMALL FIRES.

SPECIAL FIRE FIGHTING PROCEDURES:

USE WATER SPRAY TO COOL FIRE-EXPOSED CONTAINERS AND STRUCTURES. USE SELF-CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

VAPORS FORM THIS PRODUCT AND MAY TRAVEL OR BE MOVED BY AIR CURRENTS AND IGNITED BY PILOT LIGHTS, OTHER FLAMES, SMOKING, SPARKS, HEATERS, ELECTRICAL EQUIPMENT, STATIC DISCHARGES OR OTHER IGNITION SOURCES AT LOCATIONS DISTANT FROM PRODUCT HANDLING POINT. THIS MATERIAL MAY PRODUCE A FLOATING FIRE HAZARD.

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SECTION 4: REACTIVITY DATA

STABILITY: STABLE

CONDITIONS TO AVOID: NONE KNOWN

INCOMPATIBILITY (MATERIALS TO AVOID):

STRONG OXIDIZING AGENTS
NITRIC ACID
SODIUM HYDROXIDE
ALKALI METAL HYDROXIDES

HAZARDOUS COMBUSTION OR DECOMPOSITION PRODUCTS:

BURNING CAN PRODUCE THE FOLLOWING COMBUSTION PRODUCTS:
CARBON MONOXIDE AND / OR CARBON DIOXIDE.
CARBON MONOXIDE IS HIGHLY TOXIC IF INHALED, CARBON DIOXIDE IN SUFFICIENT
CONCENTRATIONS CAN ACT AS AN ASPHYXIANT.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR.

SECTION 5: SPILL, LEAK AND DISPOSAL PROCEDURES

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:

EXTINGUISH AND DO NOT TURN ON ANY IGNITION SOURCE UNTIL THE AREA IS
DETERMINED TO BE FREE FROM FIRE OR EXPLOSION HAZARD.
WEAR SUITABLE PROTECTIVE EQUIPMENT.
SMALL SPILLS CAN BE FLUSHED WITH LARGE AMOUNTS OF WATER; LARGER SPILLS
SHOULD BE COLLECTED FOR DISPOSAL.
THIS PRODUCT MAY BE TOXIC TO FISH; AVOID DISCHARGE TO NATURAL WATERS.

WASTE DISPOSAL METHOD:

INCINERATE IN A FURNACE WHERE PERMITTED UNDER FEDERAL, STATE AND LOCAL
REGULATIONS.

SECTION 6: HEALTH HAZARD DATA

EFFECTS OF ACUTE OVEREXPOSURE:

SWALLOWING:

SLIGHTLY TOXIC. LOSS OF CONSCIOUSNESS MAY OCCUR. HEADACHE MAY OCCUR.
NAUSEA, VOMITING, DIARRHEA, DIZZINESS AND DROWSINESS MAY OCCUR.

SKIN ABSORPTION:

NO EVIDENCE OF HARMFUL EFFECTS FROM AVAILABLE INFORMATION.

INHALATION:

VAPOR CAUSES IRRITATION OF THE RESPIRATORY TRACT, WITH COUGHING AND
CHEST DISCOMFORT. LOSS OF CONSCIOUSNESS MAY OCCUR. HIGH CONCENTRATIONS

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OF VAPOR MAY CAUSE HEADACHE AND DROWSINESS.

SKIN CONTACT:

BRIEF CONTACT IS NOT IRRITATING. PROLONGED CONTACT MAY CAUSE MORE SEVERE IRRITATION, WITH DISCOMFORT OR PAIN, LOCAL REDNESS AND SWELLING, AND POS-

EYE CONTACT:

EXCESS REDNESS AND SWELLING OF THE CONJUNCTIVA MAY OCCUR. CAUSES IRRITATION, EXPERIENCED AS STINGING AND DISCOMFORT OR PAIN.

SECTION 7: FIRST AID PROCEDURES AND PHYSICIAN NOTES

SWALLOWING:

IF PATIENT IS FULLY CONSCIOUS, GIVE TWO GLASSES OF WATER. INDUCE VOMITTING. OBTAIN MEDICAL ATTENTION.

SKIN:

REMOVE CONTAMINATED CLOTHING. WASH SKIN WITH SOAP AND WATER. OBTAIN MEDICAL ATTENTION IF IRRITATION PERSISTS. WASH CLOTHING BEFORE REUSE.

INHALATION:

REMOVE VICTIM TO FRESH AIR. FIVE ARTIFICIAL RESPIRATION IF NOT BREATHING. IF BREATHING IS DIFFICULT, OXYGEN MAY BE GIVEN BY QUALIFIED PERSONNEL.

EYES:

IMMEDIATELY FLUSH EYES WITH WATER AND CONTINUE WASHING FOR SEVERAL MINUTES. REMOVE CONTACT LENSES IF WORN. OBTAIN MEDICAL ATTENTION IF DISCOMFORT.

NOTES TO PHYSICIAN:

THERE IS NO SPECIFIC ANTIDOTE. TREATMENT OF EVEREXPOSURE SHOULD BE DIRECTED AT THE CONTROL OF SYMPTOMS AND THE CLINICAL CONDITION OF THE PATIENT. INDIVIDUALS EXPERIENCING BREATHING DIFFICULTIES AFTER EXPOSURE TO VAPOR GENERATED IN AEROSOL APPLICATION SHOULD BE OBSERVED FOR AT LEAST 48 HOURS IN CASE DELAYED RESPIRATORY COMPLICATIONS DEVELOP.

SECTION 8: SPECIAL HANDLING INFORMATION

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:

WARNING – FLAMMABLE. HARMFUL IF INHALED. CAUSES EYE IRRITATION. BREATHING AEROLOL MAY CAUSE LUNG DAMAGE.

KEEP AWAY FROM HEAT, SPARKS AND FLAME. AVOID BREATHING VAPOR. AVOID CONTACT WITH EYES. KEEP CONTAINER CLOSED. USE WITH ADEQUATE VENTILATION WASH THOROUGHLY AFTER HANDLING.

FOR INDUSTRY USE ONLY.

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SECTION 9: SPECIAL PRECAUTIONS AND ADDITIONAL INFORMATION

RESPIRATORY PROTECTION:

USE SELF-CONTAINED BREATHING APPARATUS IN HIGH VAPOR CONCENTRATIONS.

VENTILATION:

GENERAL (MECHANICAL) ROOM VENTILATION IS EXPECTED TO BE SATISFACTORY WHERE THIS PRODUCT IS STORED AND HANDLED IN CLOSED EQUIPMENT. SPECIAL, LOCAL VENTILATION IS NEEDED AT POINTS WHERE VAPORS CAN BE EXPECTED TO ESCAPE TO THE WORKPLACE AIR.

PROTECTIVE GOVES:

BYTYL

EYE PROTECTION:

MONOGOGGLES

OTHER PROTECTIVE EQUIPMENT:

EYE BATH, SAFETY SHOWER.

SECTION 10: HAZARDOUS INGREDIENTS

D.O.T PROPER SHIPPING NAME: PRINT RELATED MATERIAL, 3, UN1263, PGII

HMS RATEINGS:	HEALTH: 2	FLAMMABILITY: 3	REACTIVITY: 0
NFPA RATEINGS:	HEALTH: 2	FLAMMABILITY: 3	REACTIVITY: 0

CALIFORNIA PROPOSITION 65: THIS PRODUCT CONTAINS TRACE OF CHEMICAL KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER, BIRTH DEFECTS AND OTHER REPRODUCTIVE HARM.

COMPONENTS PRESENT IN THIS PRODUCT AT A LEVEL WHICH COULD REQUIRE REPORTING UNDER THE STATURE ARE: NONE.

CALIFORNIA SCAQMD RULE 443.1 VOC'S:
VOC 881 G/L; VAPOR PRESSURE 8 MM HG @ 20 C.

OTHER REGULATORY INFORMATION:

NEW YOUR STATE BULK STORAGE REGULATIONS (6 NYCRR PARTS 595-599). THIS PRODUCT IS COVERED BY 6 NYCRR FOR BULK STORAGE AND RELEASE REPRTING AND RESPONSE. TECHNICAL GUIDANCE AND RECOMMENDED PRACICES ARE AS FOLLOWS:

MATERIALS OF CONSTRUCTION:

SUITABLE MATERIALS OF CONSTRUCION ARE: STEEL, STAINLESS STEEL, BAKED PHENOLIC LINED STEEL, GALVANIZED STEEL.

MATERIALS NOT TO BE USED:

COPPER AND COPPER ALLYS. PLASTICS ARE NOT RECOMMENDED FOR "FLAMMABLE LIQUIDS".

STORAGE SYSTEM DESIGN:

DESINGN SHOULD COMPLY WITH APPLICABLE INDUSTRY, FEDERAL AND LOCAL CODES FOR A CLASS IC FLAMMABLE LIQUID WITH REGARDS TO MECHANICAL, ELECTRICAL, SAFETY AND

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HEALTH COMPONENTS. SHOULD ALSO COMPLY WITH NYS/DEC CHEMICAL BULK STORAGE REGULATIONS PARTS 598.6 (FOR EXISTING TANKS) OR PARTS 599.2 AND 599.7 (FOR NEW OR SUBSTANTIALLY MODIFIED TANKS)

CONDITIONS FOR STORAGE:
STORE AT NORMAL AMBIENT TEMPERATURES.

INSPECTION AND MAINTENANCE
A TESTING/ INSPECTION PROGRAM WHICH ENSURES STRUCTURAL INTEGRITY AND PROPER SYSTEM OPERATION SHOULD BE ESTABLISHED. INSPECTION AND MAINTENANCE PROCEDURES AND TESTING OF EQUIPMENT SHOULD COMPLY WITH NYS/DEC REGULATIONS PARTS 598.7 TO 598.10

TRANSFER AND UNLOADING
THESE OPERATIONS SHOULD COMPLY WITH NYS/DEC REGULATIONS, PART 598.5

SECTION 11: SARA TITLE III INFORMATION

INGREDIENTS	CAS#	%UPPER CONCENTRATION
TOLUENE	108-88-3	24.0

Section 99 Footnotes

NOTE:

THE OPINION EXPRESSED HEREIN ARE THOSE OF QUALIFIED EXPERTS WITHIN BRENNTAG. WE BELIEVE THAT THE INFORMATION CONTAINED HEREIN IS CURRENT AS OF THE DATE OF THIS MATERIAL SAFETY DATA SHEET. SINCE THE USE OF THIS INFORMATION AND THE CONDITIONS OF THE USE OF THE PRODUCT ARE NOT UNDER THE CONTROL OF BRENNTAG, IT IS THE USERS' OBLIGATION TO DETERMINE CONDITIONS OF SAFE USE OF THE PRODUCT.

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