

AmeriFill

Material Safety Data Sheet for the AmeriFill Machine

Amerityre Corporation
1501 Industrial Rd
Boulder City, NV 89005
(702) 293-1930

Issue Date: 7/25/03

I. PRODUCT IDENTIFICATION – Tire fill Foam

PRODUCT NAME: AMTY-“BPF”* "B" SIDE
CHEMICAL FAMILY: POLYETHER POLYOL SYSTEM
CHEMICAL NAME: POLYOL BLEND
SYNONYMS: POLYOL, URETHANE RESIN
CAS NUMBER: N/A - MIXTURE

II. HAZARDOUS INGREDIENTS

<u>INGREDIENTS:</u>	<u>CONCENTRATION (%)</u>	<u>CURRENT TLV/PEL</u>
HYDROXYL TERMINATED POLY (OXYALKYLENE) POLYETHER	< 85	N.E.
BUTANEDIOL	< 10	N.E.
TIN CATALYST	TRACE	N.E.

III. PHYSICAL DATA:

PHYSICAL FORM: LIQUID
COLOR: AMBER
ORDER: Faint ether-like odor
ODOR THRESHOLD: Not established
MELT POINT/FREEZE POINT: <-13 F
BOILING POINT: Not established
VAPOR PRESSURE: <50 MM HG
VAPOR DENSITY (AIR = 1) >1.0
SPECIFIC GRAVITY: Approx. 1.06
BULK DENSITY: Approx. 9.76 lbs/gal
SOLUBILITY IN WATER: Considerable (Greater than 50% soluble in water)
VOC %: 0%

IV. FIRE & EXPLOSION DATA

FLASH POINT: 325 F (163 C.) PMCC
FLAMMABLE LIMITS IN AIT BY VOLUME: LOWER (LEL %): N.E.
UPPER (UEL %): N.E.
AUTO-IGNITION TEMPERATURE: Not established

EXTINGUISHING MEDIA: DRY CHEMICAL EXTINGUISHER

SPECIAL FIRE FIGHTING PROCEDURES: DO NOT DIRECT SOLID WATER STREAM OR FOAM INTO HOT, BURNING POOLS; THIS MAY CAUSE FROTHING AND INCREASE FIRE INTENSITY. USE SELF-CONTAINED BREATHING APPARATUS AND BODY COVERING PROTECTIVE CLOTHING.

UNUSUAL FIRE / EXPLOSION HAZARDS: DO NOT CUT, WELD OR GRIND ON OR NEAR CONTAINER DUE TO POSSIBLE TOXIC FUME GENERATION OR EXPLOSION DUE TO FLAMMABLE VAPOR RESIDUE. USE EXPLOSION PROOF EQUIPMENT WHERE VAPOR CONCENTRATION CAN BECOME IGNITABLE, GROUND TRANSFER LINES AND EQUIPMENT.

V. HEALTH EFFECTS

ANIMAL TOXICITY: ORAL, LD 50 (INGESTION) N.E.
DERMAL, LD 50 (SKIN CONTACT) N.E.
INHALATION LC 50 (4 HOURS) N.E.
AQUATIC, LC 50 (24 HOURS) N.E.
EYES N.E.
SKIN N.E.

HUMAN EFFECTS OF OVEREXPOSURE:

EYES: MAY CAUSE SLIGHT IRRITATION TO THE EYES
INHALATION: MAY CAUSE IRRITATION TO THE THROAT AND RESPIRATORY PASSAGES, BUT AT ROOM TEMPERATURE, VAPOR INHALATION IS NOT HAZARDOUS.
SKIN: THIS PRODUCT CONTAINS AMINE CATALYST AND WILL CAUSE IRRITATION TO THE SKIN AFTER PROLONGED CONTACT. SOME INDIVIDUALS MAY BE MORE SENSITIVE TO EXPOSURE.
INGESTION: THIS IS NOT CONSIDERED A COMMON OCCUPATIONAL ROUTE OF EXPOSURE, AND NO OBSERVABLE EFFECTS HAVE BEEN DEMONSTRATED.
THRESHOLD LIMIT VALUE (ACGIH): NO TLV HAS BEEN ESTABLISHED FOR THIS PRODUCT AS A SYSTEM.
PERMISSIBLE EXPOSURE LIMIT (OSHA): SAME AS ABOVE.

VI. EMERGENCY & FIRST AID PROCEDURES

EYE CONTACT: FLUSH WITH CLEAN, LUKEWARM WATER AT LOW PRESSURE FOR AT LEAST 15 MINUTES, OCCASIONALLY LIFTING EYELIDS. CONSULT A PHYSICIAN IMMEDIATELY.

SKIN CONTACT: REMOVE CONTAMINATED CLOTHING. WASH EXPOSED AREAS THOROUGHLY WITH WARM SOAPY WATER. CONTAMINATED CLOTHING SHOULD BE PROPERLY LAUNDERED BEFORE REUSING.
INHALATION: REMOVE VICTIM FROM AREA OF EXPOSURE TO SAFE AREA.
INGESTION: INDUCE VOMITING. NEVER INDUCE VOMITING OR GIVE ANYTHING TO DRINK TO AN UNCONSCIOUS PERSON.
NOTE TO PHYSICIAN: BASICALLY, TREATMENT IS SYMPTOMATIC.

VII. EMPLOYEE PROTECTION RECOMMENDATIONS

EYE PROTECTION: LIQUID CHEMICAL GOGGLES OR FULL FACE SHEILD.
SKIN PROTECTION: CHEMICAL RESISTANT GLOVES SUCH AS NATURAL RUBBER OR POLYVINYL ALCOHOL. COVER AS MUCH EXPOSED SKIN AS POSSIBLE WITH APPROIATE CLOTHING. IF SKIN CREAMS ARE USED, KEEP THE AREA COVERED BY THE CREAM TO A MINIMUM.
RESPORITORY PROTECTION: THIS PRODUCT HAS DEMONSTRATED NO OBSERVABLE EFFECTS AT ROOM TEMPERATURE, HOWEVER, IT IS HIGHLY RECOMMENDED THAT AN AIR PURIFYING RESPIRATOR WITH ORGANIC FILTER CARTRIDGES BE WORN.
VENTILATION: NATURAL OR MECHANICAL. LOCAL EXHAUST WILL KEEP THE TLV BELOW MINIMUM IN MOST CASES.
OTHER: SAFETY SHOWERS AND EYE WASH STATIONS SHOULD BE PROVIDED IN ALL WORK AREAS. ALL EMPLOYEES SHOULD BE PROPERLY TRAINED.

VII. REACTIVITY DATA

STABILITY: STABLE
POLYMERIZATION: WILL NOT OCCUR.
INCOMPATIBILITY: OXIDIZING MATERIALS, ISOCYANATES, AND ACIDS. ALKALI OR ALKALINE EARTH METALS.
HAZARDOUS DECOMPOSITION PRODUCTS: ALIPHATIC FRAGMENTS, CO, CO2.

IX. SPILL OR LEAKS

STEPS TO BE TAKEN IN CASE MATERIAL IS SPILLED OR RELEASED: CONTAIN THE SPILLED MATERIAL AND THEN COVER WITH A LOOSE, ABSORBENT MATERIAL SUCH AS OIL DRY, SAWDUST OR FULLER'S EARTH. SHOVE WASTE MATERIALS INTO PROPER WASTE CONTAINERS AND WASH THE CONTAMINATED AREA WITH HOT SOAPY WATER. VENTILATE AREA TO REMOVE VAPORS.
WASTE DISPOSAL METHODS: WASTE MATERIAL MAY BE INCINERATED OR DISPOSED OF UNDER LOCAL, STATE AND FEDERAL REGULATIONS CONTROLLING ENVIROINMENTAL PROTECTION.
EMPTY CONTAINER PRECAUTIONS: AN EMPTY CONTAINER RETAINING PRODUCT RESIDUE CAN BE DANGEROUS. DO NOT PRESSURIZE, CUT WELD, BRAZE SOLDER, DRILL, GRIND OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY OR OTHER INGINATION SOURCES OF INGINITION. ALL CONTAINERS SHOULD BE DISPOSED OF IN AN EVIROMENTALLY SAFE MANNER AND IN ACCORDANCE WITH GOVERNMENT REGULATIONS.

X. SPECIAL PRECAUTIONS & STORAGE DATA

STORAGE TEMPERATURE: STORE ABOVE 65F (18C)
AVERAGE SHELF LIFE: SIX (6) MONTHS FROM DATE OF MANUFACTURE.

SPECIAL SENSITIVITY (LIGHT, MOISTURE): THIS PRODUCT HYGROSCOPIC. CONTAINERS SHOULD BE TIGHTLY SEALED TO PREVENT MOISTURE CONTAMINATION.

PRECAUTIONS IN HANDLING AND STORAGE: IF CONTAMINATION WITH ISOCYANATES IS SUSPECTED, DO NOT RESEAL CONTAINER BECAUSE OF POSSIBLE RUPTURE DUE TO PRESSURE BUILDUP. ALWAYS SLOWLY VENT CONTAINER WHEN OPENING TO RELIEVE PRESSURE BUILDUP.

MATERIAL SAFETY DATA SHEET

TECHNICAL SHIPPING NAME:	POLYPROPYLENE GLYCOL
FREIGHT CLASS:	POLYPROPYLENE GLYCOL
FREIGHT CLASS PACKAGE:	POLYPROPYLENE GLYCOL
PRODUCT LABEL:	ESTABLISHED
PLACARDS REQUIRED:	NONE
	DOT (HM-181) DOMESTIC SURFACE
PROPER SHIPPING NAME:	NON REGULATED
HAZARD CLASS OR DIVISION:	NON REGULATED
UN/NA NUMBER:	NONE
HAZARDOUS SUBSTANCE:	NONE
HAZARD PLACARD (S):	NONE

IN CASE OF SPILL EMERGENCY CALL CHEMTREC 800-424-9300

THIS INFORMATION IS FURNISHED WITHOUT WARRANTY, EXPRESSED OR IMPLIED, EXCEPT THAT IT IS ACCURATE TO THE BEST KNOWLEDGE OF AMERITYRE CORPORATION. THE DATA ON THESE SHEETS RELATE ONLY TO THE SPECIFIC MATERIAL DESIGNATED HEREIN. AMERITYRE CORPORATION ASSUMES NO LEGAL RESPONSIBILITY FOR USE OR RELIANCE UPON THESE DATA.