

**POLYFOAM PRODUCTS, INC.**  
THIS MATERIAL SAFETY DATA SHEET PROVIDED AS A GUIDE TO THE USER  
PLEASE READ ENTIRE MSDS BEFORE USING THIS PRODUCT  
PLEASE CONTACT THE TECHNICAL ASSISTANCE NUMBER FOR ANY ADDITIONAL INFORMATION

Product Name:

**POLYSET® PROPACK A COMPONENT**

**THIS MATERIAL IS EITHER MANUFACTURED BY AND OR DISTRIBUTED BY:**

Polyfoam Products, Inc.  
11715 Boudreaux Road  
Tomball, TX 77375

Ph - 281 350 8888

REVISION DATE: MARCH 2, 2006

**24 HOUR EMERGENCY RESPONSE: CALL CHEMTREC 800 424 9300**

**SECTION I IDENTIFICATION**

**PRODUCT NAME:** POLYSET® AH160 PP-A

**CHEMICAL FAMILY:** Diisocyanate

**FORMULA CONFIDENTIAL:** Contact Manufacturer for confidential release of information.

**SECTION II— HAZARDOUS INGREDIENTS COMPOSITION**

HAZARDOUS INGREDIENT	CAS NUMBER	PEL	PERCENT
Polymeric Diphenylmethane Diisocyanate	9016-87-9	not listed	>80
Polymeric Diphenylmethane Diisocyanate CONTAINS APPROX. 45% OF:			
4,4 Diphenylmethane Diisocyanate	101-68-8	0.02ppm	
HCFC-22	75-45-6	not listed	<20
Polyalkyleneoxide- methylsiloxane Copolymer	Trade Secret		<10

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**SECTION III – HAZARD - PHYSICAL DATA -**

<b>APPEARANCE:</b>	Liquid and gas under pressure	
<b>PHYSICAL FORM:</b>	LIQUID	<b>COLOR:</b> Light Brown
<b>BOILING POINT:</b>	<0° F	
<b>VAPOR PRESSURE</b>	151 psig @ 25°C	
<b>SPECIFIC GRAVITY:</b>	1.23 @ 25°C	
<b>SOLUBILITY IN WATER</b>	Not Soluble. Reacts slowly with water to liberate CO2 gas.	
<b>% VOLATILES BY VOLUME</b>	<20	

**SECTION IV – FIRST AID**

**EYES:** FLUSH IMMEDIATELY WITH WATER OR EYE WASH SOLUTION FOR 15 MINUTES. CONTACT WITH EYES MAY CAUSE MODERATE TO SEVERE IRRITATION. GET MEDICAL ATTENTION IMMEDIATELY.

**SKIN:** WASH OFF IMMEDIATELY WITH SOAP AND WATER FOR AT LEAST 15 MINUTES. REMOVE ALL CONTAMINATED CLOTHING AND SHOES FOR DISPOSAL. FOR SEVERE EXPOSURES, GET UNDER SAFETY SHOWER AFTER REMOVING CLOTHING, THEN GET MEDICAL ATTENTION IMMEDIATELY.

**INHALATION:** MOVE TO AREA FREE FROM RISK OF FURTHER EXPOSURE. ADMINISTER OXYGEN OR ARTIFICIAL RESPIRATION AS NEEDED. OBTAIN MEDICAL ATTENTION. ASTHMATIC LIKE SYMPTONS MAY DEVELOP AND MAY BE IMMEDIATE OR DELAYED FOR SEVERAL HOURS. CONSULT PHYSICIAN SHOULD THIS OCCUR.

**INGESTION:** IF INGESTED DO NOT INDUCE VOMITING - IF THE VICTIM IS CONSCIOUS GIVE HIM/HER A GLASS OF WATER OR MILK – NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. GET MEDICAL ATTENTION IMMEDIATELY. ALWAYS SEEK MEDICAL ATTENTION WHEN EXPOSED TO THIS OR OTHER CHEMICALS.

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**SECTION V – FIRE AND EXPLOSION DATA**

**FLASHPOINT:** >200 DEG F

**AUTOIGNITION TEMPERATURE** >600 DEG C

**EXTINGUISHING MEDIA:** SMALL FIRES: USE DRY CHEMICAL POWDER.  
LARGE FIRES: USE WATER SPRAY, FOG OR FOAM.  
DO NOT USE WATER JET. IF WATER IS USED, VERY  
LARGE QUANTITIES ARE REQUIRED. REACTION WITH  
WATER MAY BE VIGOROUS. CONTAIN RUNOFF WATER  
WITH TEMPORARY BARRIERS.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:**

CONTAINERS ARE EQUIPPED WITH A RUPTURE DISC  
INTENDED TO VENT ANY EXCESSIVE BUILD UP OF  
PRESSURE EXERTED BY GASES GENERATED BY HEAT,  
THERMAL DECOMPOSITION OR COMBUSTION.  
KEEP EXPOSED CONTAINERS COOLED WITH WATER  
SPRAY.  
KEEP UNNECESSARY PEOPLE AWAY.

**FIRE FIGHTING EQUIPMENT:** POSITIVE PRESSURE SCBA'S - FULL PROTECTIVE  
CHEMICAL OR FIRE FIGHTING CLOTHING SHOULD BE  
WORN BY FIREFIGHTERS. ALL EQUIPMENT MUST BE  
THOROUGHLY DECONTAMINATED AFTER USE.

**SECTION VI ACCIDENTAL RELEASE MEASURES**

PERSONS DEALING WITH MAJOR SPILLS SHOULD WEAR FULL PROTECTIVE  
CLOTHING INCLUDING APPROPRIATE RESPIRATORY PROTECTION. EVACUATE THE  
AREA. PREVENT FURTHER LEAKAGE SPILLAGE OR ENTRY INTO DRAINS.

CONTAIN AND ABSORB LARGE SPILLAGES ONTO AN INERT, NON FLAMMABLE  
ABSORBENT CARRIER SUCH AS EARTH, SAND OR CLAY ABSORBENT. SHOVEL INTO  
OPEN TOP DRUMS OR PLASTIC BAGS FOR FURTHER DECONTAMINATION, IF  
NECESSARY. WASH SPILLAGE ARE WITH LIQUID DECONTAMINANT. PROPERLY  
DISPOSE OF RESIDUES.

NOTIFY APPLICABLE GOVERNMENT AUTHORITIES IF RELEASE IS REPORTABLE.  
THE CERCLA RQ FOR 4,4 MDI IS 5000 LBS.

**PREPARATION OF DECONTAMINATION SOLUTION:** PREPARE A SOLUTION OF  
0.2-0.5% LIQUID DETERGENT AND 3-8% CONCENTRATED HOUSEHOLD AMMONIA IN  
WATER.

**USE OF DECONTAMINATION SOLUTION:** ALLOW DEACTIVATED MATERIAL TO STAND  
FOR 30 MINUTES BEFORE SHOVELING INTO DRUMS. DO NOT TIGHTEN BUNGS AS  
CO2 GAS MAY BE GENERATED.

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**SECTION VII – HANDLING – STORAGE - REACTIVITY DATA**

**STORAGE TEMPERATURE (MIN/MAX) 604°F TO 100°F**

**AVERAGE SHELF LIFE: 12 MONTHS**

**SPECIAL SENSITIVITY:** IF CONTAINER IS EXPOSED TO HIGH HEAT 400°F OR HIGHER, OR CONTAMINATED WITH WATER, PRESSURE CAN BE GENERATED. CONTAINERS ARE EQUIPPED WITH A RUPTURE DISC INTENDED TO VENT ANY EXCESSIVE BUILDUP OF PRESSURE EXERTED BY GASES GENERATED BY HEAT OR MOISTURE.

**PRECAUTIONARY MEASURES:** STORE IN TIGHTLY CLOSED CONTAINERS TO PREVENT MOISTURE CONTAMINATION. AVOID CONTACT WITH SKIN AND EYES. DO NOT BREATHE AEROSOLS OR VAPORS. THIS MATERIAL CAN PRODUCE ASTHMATIC SENSITIZATION UPON EITHER SINGLE INHALATION EXPOSURE TO A RELATIVELY HIGH CONCENTRATION OR UPON REPEATED INHALATION TO LOWER EXPOSURES TO LOWER CONCENTRATIONS.

EXPOSURES TO VAPORS OR HEATED POLYSET® AH160 PP-A CAN BE EXTREMELY DANGEROUS.

**SECTION VIII – EXPOSURE - HEALTH DATA – PERSONAL PROTECTION**

**LIKELY ROUTES OF EXPOSURE – EYE – SKIN – INHALATION**

**FOR EYES –** LIQUID CHEMICAL GOGGLES OR FULL FACE SHIELD. VAPOR RESISTANT GOGGLES SHOULD BE WORN WHEN CONTACT LENSES ARE IN USE. IN A SPLASH HAZARD ENVIRONMENT, CHEMICAL GOGGLES SHOULD BE USED ALONG WITH A FULL FACE SHIELD.

**FOR SKIN –** PERMEATION RESISTANT GLOVES (BUTYL RUBBER, NITRILE RUBBER). COVER AS MUCH OF THE EXPOSED SKIN AREA AS POSSIBLE WITH APPROPRIATE CLOTHING.

**RESPIRATORY PROTECTION:** CONCENTRATIONS GREATER THAN THE 4,4 MDI TLV CAN OCCUR DURING SPRAYING HEATING, OR USE IN A POORLY VENTILATED AREA. IN SUCH CASES WHENEVER THE CONCENTRATION OF 4,4 MDI EXCEEDS THE TLV, RESPIRATORY PROTECTION MUST BE WORN. AN AIR SUPPLIED RESPIRATOR OR SELF CONTAINED BREATHING APPARATUS IS RECOMMENDED. IN SITUATIONS WHERE MATERIAL IS NOT HEATED OR SPRAYED AN AIR PURIFYING RESPIRATOR EQUIPPED WITH AN ORGANIC CARTRIDGE AND PARTICULATE FILTER MUST BE WORN.

**HOWEVER, THIS SHOULD BE PERMITTED ONLY FOR SHORT PERIODS OF TIME (LESS THAN ONE HOUR) AT RELATIVELY LOW CONCENTRATIONS AT OR NEAR THE TLV. OBSERVE OSHA REGULATIONS FOR RESPIRATOR USE. 929 CFR 1910.134)**

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**SECTION IX – PHYSICAL AND CHEMICAL PROPERTIES**

**FORM:** LIQUID AND GAS UNDER PRESSURE. LIQUID WILL BECOME FOAMY IS RELEASED FROM CONTAINER.

**ODOR:** SLIGHT MUSTY ODOR

**SOLUBILITY IN WATER:** INSOLUBLE. WILL REACT SLOWLY WITH WATER TO FORM CO<sub>2</sub> GAS.

**SPECIFIC GRAVITY:** 1.23 @ 77°F

**VISCOSITY:** 130 CPS @ 77°F

**% VOLATILES:** <20%

**SECTION X – STABILITY AND REACTIVITY**

**STABILITY:** STABLE AT AMBIENT TEMPERATURES

**CONDITIONS TO AVOID:** HIGH TEMPERATURES OR FREEZING

**INCOMPATIBILITY:** REACTS SLOWLY WITH MOISTURE

**HAZARDOUS DECOMPOSITION:**

MAY PRODUCES CARBON MONOXIDE, CARBON DIOXIDE, AND OTHER ASPHYXIANTS

**SECTION XI – TOXICOLOGICAL INFORMATION**

AVOID EXPOSURE WITHOUT PROTECTIVE GEAR - REPEATED EXPOSURE TO SKIN OR EYES MAY HAVE HARMFUL - INGESTION HARMFUL - IF INGESTED SEEK IMMEDIATE MEDICAL ATTENTION

**EXPOSURE GUIDELINES:**

ACGIH TLV 0.05 mg/M<sup>3</sup>

OSHA PEL 0.20 mg/M<sup>3</sup>

HARMFUL EFFECTS VARY DEPENDING ON LEVEL OF EXPOSURE – ALWAYS SEEK MEDICAL ATTENTION AFTER EXPOSURE TO CHEMICALS IN ACCORDANCE WITH YOUR COMPANY HEALTH AND SAFETY PROCEDURES.

**SECTION XII – ECOLOGICAL INFORMATION**

IT IS UNLIKELY THAT SIGNIFICANT ENVIRONMENTAL EXPOSURE IN THE AIR OR WATER WILL ARISE BASED ON CONSIDERATION OF THE USE OF THIS SUBSTANCE.

THIS MATERIAL IS IMMISCIBLE WITH WATER, BUT WILL REACT WITH WATER TO PRODUCE INERT AND NON-BIODEGRADABLE SOLIDS.

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**SECTION XIII - DISPOSAL INFORMATION**

DISPOSAL SHOULD BE IN ACCORDANCE WITH LOCAL, STATE, PROVINCIAL OR NATIONAL REGULATIONS. THIS MATERIAL IS NOT A HAZARDOUS WASTE UNDER RCRA 40 CFR 261. SMALL QUANTITIES SHOULD BE TREATED WITH A DECONTAMINATE SOLUTION. THE TREATED WASTE IS NOT A HAZARDOUS MATERIAL UNDER RCRA 40 CFR 261.

**SECTION XIV - TRANSPORTATION INFORMATION**

UN OR ID NUMBER: UN 1956

PROPER SHIPPING NAME: COMPRESSED GAS N.O.S.

HAZARD CLASS: CLASS 2.2

REPORTABLE QUANTITY: 5000 LBS.

TRADE NAME: POLYSET® AH160 PP-A

**SECTION XV - REGULATORY INFORMATION**

THIS PRODUCT IS CLASSIFIED AS HAZARDOUS UNDER OSHA HAZARD COMMUNICATION STANDARD (29 CFR 1910.1200)

TSCA INVENTORY: ALL INGREDIENTS ARE ON THE TSCA INVENTORY OR ARE NOT REQUIRED TO BE LISTED ON THE TSCA INVENTORY.

EPCRA SECTION 313: DIISOCYANATE COMPOUND CODE N120

**SECTION XVI OTHER**

CAN CAUSE DAMAGE TO LUNGS, RESPIRATORY TRACT, SKIN, EYES.

MAY CAUSE ALLERGIC RESPIRATORY OR SKIN REACTION.

HMIS: HEALTH=2 FIRE=1 REACTIVITY=1

NFPA: HEALTH=2 FIRE=1 REACTIVITY=1 SPECIFIC HAZARD= N/A

THIS DOCUMENT PREPARED BY:

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