

*******MATERIAL SAFETY DATA SHEET*******

Manufacturer's Name: PRECISION CONVERTING
Street Address: 6650 CONCORD PARK DR
City, State, and Zip: HOUSTON, TX 77040
Phone: (713) 934-1650 Fax (713) 934-1655
Emergency Response Phone: 1-800-424-9300

*******SECTION I – PRODUCT IDENTIFICATION*******

PRODUCT NAME: PC- 9016,9028,9030,9035,9040 Component B
SYNONYMS: Polyether triol
CHEMICAL FAMILY: Hydroxy terminated poly (oxyalkylene) polyol
FORMULA: Not applicable/mixture
DESCRIPTION: Chemical intermediate for urethane polymer production

*******SECTION II – COMPONENT DATA*******

PRODUCT COMPOSITION:
CAS OR CHEMICAL NAME: Blend of Polyol and Aromatic Diamine
CAS NUMBER: 9082-00-2
PERCENTAGE RANGE: 80-90%

*******Hazardous Components*******

<u>Ingredient</u>	<u>% by weight</u>	<u>Exposure limits</u>
Proprietary aryl mercury compound	(0.083 %)	ACGIH TLV 0.1 mg/m3 TWA OSHA PEL 0.1 mg/m3 (ceiling)

*******SECTION III – PRECAUTIONS FOR SAFE HANDLING AND STORAGE*******

DO NOT TAKE INTERNALLY; AVOID CONTACT WITH SKIN, EYES AND CLOTHING. UPON CONTACT WITH SKIN OR EYES, WASH OFF WITH WATER.
STORAGE CONDITIONS: Do not store at temperatures above 49 C (120 F)
OTHER: Product is hygroscopic; protect with padding of dry air –40 C (-40 F) dew point or dry nitrogen. Calcium chloride drying system with silica gel on the vents can also be used.
PRODUCT STABILITY AND COMPATIBILITY:
SHELF LIFE LIMITATIONS: Minimum 1 year (closed container)
INCOMPATIBLE MATERIALS FOR PACKAGING: Use glass or vinyl lined containers.
Recommend lined steel (Amercoat No. 23 vinyl coating 5-coat system); 304SS INCOMPATIBLE MATERIALS
FOR STORAGE ON TRANSPORT: Strong oxidizers

*******SECTION IV – PHYSICAL DATA*******

APPEARANCE: Clear,
FREEZING POINT: No data
BOILING POINT: No data
DECOMPOSITION TEMPERATURE: No data
SPECIFIC GRAVITY: 0.9-1.1
BULK DENSITY: Not applicable
pH @ 25 C: 4-8 in. 10/6 isopropanol/water
VAPOR PRESSURE @ 25 C: 0.01-3.5 mm Hg

SOLUBILITY IN WATER: Soluble to slightly soluble
VOLATILES, PERCENT BY VOLUME: 0
EVAPORATION RATE: Not applicable
VAPOR DENSITY: No data
MOLECULAR WEIGHT: Not applicable/mixture
ODOR: Slightly musty to odorless
COEFFICIENT OF OIL/WATER DISTRIBUTION: No data

*******SECTION V – PERSONAL PROTECTIVE EQUIPMENT REQUIREMENTS*******

PERSONAL PROTECTION FOR ROUTINE USE OF PRODUCT: gloves, apron, and safety glasses
VENTILATION: Local exhaust ventilation is recommended if vapors, mists or aerosols are generated. Otherwise, use general exhaust ventilation.
EYE PROTECTIVE EQUIPMENT: Use safety glasses with side shields.
RESPIRATORY PROTECTION: Not normally required at room temperature. In the absence of good ventilation, or vapor or mist generated through heating or spray applications use supplied air respirator equipped or respirator with organic vapor cartridges.
PROTECTIVE CLOTHING TYPE: (This includes: gloves, and apron, safety glasses)

*******SECTION VI – FIRE AND EXPLOSION HAZARD INFORMATION*******

FLAMMABILITY DATA:
FLAMMABLE: No
COMBUSTIBLE: No
PYROPHORIC: No
FLASH POINT: 150-260 C (300-500 F) Test Method: Cleveland open cup
AUTOIGNITION TEMPERATURE: No data
FLAMMABLE LIMITS AT NORMAL ATMOSPHERIC TEMPERATURE AND PRESSURE
(percent volume in air): LEL – No data UEL – No data
NFPA RATINGS: Not established.
HMIS RATINGS:
HEALTH: 1
FLAMMABILITY: 1
REACTIVITY: 0
EXTINGUISHING MEDIA: Carbon dioxide, dry chemical and water spray
FIRE FIGHTING TECHNIQUES AND COMMENTS: Use water to cool containers exposed to fire (see section XI for protective equipment for fire fighting).
OTHER: Water may cause frothing if it gets below the surface of the liquid and turns to steam. Water fog gently applied to the surface may cause frothing which may extinguish the fire.

*******SECTION VII – REACTIVITY INFORMATION*******

CONDITIONS UNDER WHICH THIS PRODUCT MAY BE UNSTABLE:
TEMPERATURES ABOVE: No data
MECHANICAL SHOCK OR IMPACT: No
ELECTRICAL (static) DISCHARGE: No
OTHER: No
HAZARDOUS POLYMERIZATION: Will not occur
INCOMPATIBLE MATERIALS: Strong Oxidizers
HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide, carbon dioxide and other fragments, which have not been identified.

SUMMARY OF REACTIVITY:
OXIDIZER: No
PYROPHORIC: No
ORGANIC PEROXIDE: No
WATER REACTIVE: No

*****SECTION IX – HEALTH INFORMATION*****

EYES: eye irritant water seek medical attention if irritation persist.
SKIN: skin irritant. Wash any substance off skin with water, seek medical attention if irritation persist.
INGESTION: Immediately drink water to dilute. Induce vomiting. Consult a physician.
INHALATION: This product is not a inhalation hazard at room temperature.Vapors or aerosol can be generated from heating or spraying and may cause respiratory irritation.
ROUTES OF ABSORPTION:Skin,Eye or Ingestion.
DO NOT TAKE INTERNALLY.
ODOR THRESHOLD: There is no data for odor threshold
IRRITATION THRESHOLD: There is no data for irritation threshold
IMMEDIATELY DANGEROUS TO LIFE OR HEALTH: The IDLH concentration has not been established for this product.
CHRONIC: This product contains a extremely small amount of a aryl mecury compound(.0.083 %) . In general long term exposure to mercury compounds have been found to cause adverse reproductive ,central nervous system and kidney effects.
CARCINOGENICITY: Not designated as a carcinogen by NPT, IARC or OSHA

*****SECTION X – TRANSPORTATION INFORMATION*****

This material is not regulated as a DOT hazardous material

TECHNICAL SHIPPING NAME: Propylene Glycol

DOT (DOMESTIC SURFACE)

PROPER SHIPPING NAME: Liquid Resin (Nonregulated)
HAZARD CLASS OR DIVISION: None
UN/NA NUMBER: None
FREIGHT CLASS: 55
PACKAGING GROUP: None
DOT PRODUCT RQ lbs.: None

*****SECTION XI – SPILL AND LEAKAGE PROCEDURES*****

For all transportation accidents, call CHEMTREC at 800-424-9300.

REPORTABLE QUANTITY: Not applicable (per 40 CFR 300.4)
SPILL MITIGATION PROCEDURES: Stop source of spill as soon as possible and notify appropriate personnel.
AIR RELEASE: Not applicable
WATER RELEASE: This material is slightly soluble in water and may be subject to emulsification. Divert flow of water and contain that which is contaminated. Remove as a liquid utilizing a vacuum or pumping system as possible.
LAND SPILL: Dike spill area and begin to remove a s a liquid. If unable to do so, then absorb in clay, sand or a commercial absorbent and containerize for disposal. Compatible absorbents; sand, clay soil.
SPILL RESIDUES: Dispose of per guidelines under Section XII – Waste Disposal.
PERSONAL PROTECTION FOR EMERGENCY SPILL AND FIRE FIGHTING SITUATIONS: In case of fire, use normal fire fighting equipment. Additional respiratory protection is necessary when a spill or fire involving this product occurs. You are recommended to use a cartridge type NIOSH/MSHA approved respirator with dust/mist cartridges. Additional protective clothing must be worn to prevent personal contact with this material. Those items include but are not limited to; boots, impervious gloves, hard hat, splash-proof goggles, impervious clothing, i.e., chemically impermeable suit.

*******SECTION XII – WASTE DISPOSAL*******

If this product becomes a waste Uncured form (component B only), Does meet the criteria of a hazardous waste as defined under 40 CFR 261,(D009) of Subpart C.

As a hazardous liquid waste, it should be disposed of in accordance with local, state and federal regulations by incineration.

CARE MUST BE TAKEN TO PREVENT ENVIRONMENTAL CONTAMINATION FROM THE USE OF THIS MATERIAL. THE USER OR THIS MATERIAL HAS THE RESPONSIBILITY TO DISPOSE OF UNUSED MATERIAL, RESIDUES AND CONTAINERS IN COMPLIANCE WITH ALL RELEVANT LOCAL, STATE AND FEDERAL LAWS AND REGULATIONS REGARDING TREATMENT, STORAGE AND DISPOSAL FOR HAZARDOUS AND NONHAZARDOUS WASTES.

*******SECTION XIII – ADDITIONAL REGULATORY STATUS INFORMATION*******

TOXIC SUBSTANCES CONTROL ACT: This substance is listed on the Toxic Substances Control Act inventory.
SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT TITLE III:

HAZARD CATEGORIES: PER 40 CFR 370.2:

EMERGENCY PLANNING AND COMMUNITY RIGHT TO KNOW, PER 40 CFR. APP.A:

EXTREMELY HAZARDOUS SUBSTANCE – THRESHOLD PLANNING QUANTITY: None
established.

SUPPLIER NOTIFICATION REQUIREMENTS, PER 40 CFR 372.45: None established.

THE INFORMATION IN THIS MATERIAL SAFETY DATA SHEET SHOULD BE PROVIDED TO ALL WHO WILL USE, HANDLE, STORE, TRANSPORT, OR OTHERWISE BE EXPOSED TO THIS PRODUCT. THIS INFORMATION HAS BEEN PREPARED FOR THE GUIDANCE OF PLANT ENGINEERING, OPERATIONS AND MANAGEMENT AND FOR PERSONS WORKING WITH OR HANDLING THIS PRODUCT. OLIN BELIEVES THIS INFORMATION TO BE RELIABLE AND UP TO DATE AS OF THE DATE OF PUBLICATION, BUT MAKES NO WARRANTY THAT IT IS. ADDITIONALLY, IF THIS MATERIAL SAFETY DATA SHEET IS MORE THAN THREE YEARS OLD, YOU SHOULD CONTACT Industrial Polym ers AT THE PHONE NUMBER LISTED BELOW TO MAKE CERTAIN THAT THIS SHEET IS CURRENT.