

Safety Data Sheet



SECTION 1:

Pier One Polymers, Inc.
2011 Christian B Haas
St. Clair, MI 48070

Contact Numbers:
Product Information (Pier One) 810-326-1456
Transportation Emergency-
Chemtrec 800-424-9300

MATERIAL IDENTIFICATION

PRODUCT NAME: **AH100 NC010**
 AH100AVL5 NAT
 AH100P NC010
 AH500AL NC010
 AH500CL NC010
 AH500P BK
 AH500P NC010
 AH527UV NC010
 AH900 NC010
MAXATEL **AH800AVL NT**

CHEMICAL NAME: **Polyoxymethylene homopolymer**

CAS NO.: **9002-81-7 (base polymer)**

PRODUCT USE: **Engineering Thermoplastic Injection Molding**

TSCA INVENTORY
STATUS: **All reportable ingredients are listed in the TSCA chemical
substances inventory.**

SECTION 2:

Hazardous Ingredients

Identity	CAS #	ACGIH TLV
Polytetrafluoroethylene	9002-81-7	

SECTION 3:

Health Hazard Data

Color:	Black	
Form/Appearance:	Pellets	
Odor:	Odorless	
Specific Gravity:	Typical Low/High 1.35-1.45	U.O.M.
Bulk Density:	850 KG/CU. M	
ph:	Not Available	

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Boiling Point: Not Available
Freezing Point: Not Available
Decomp. Temp: >240 C 1 Atmosheres
Solubility in Water Description: Insoluable

SECTION 4:

Emergency First Aid

Flash Point: Not Available
Autoignition: 320-340 °C Cleveland Open Cup
Extinguishing Media: Use water fog, foam or dry chemical extinguishing media.
Fire Fighting Procedures: Firefighters should be equipped with self-contained breathing apparatus and turn out gear.
Unusual Hazards: Formaldehyde may be released if product is exposed to excessive heat or fire. Airborne dust may be explosive. Explosivibility of dusts increase with decreasing particle size, so the production of fines should be minimized.

SECTION 5:

Fire and Explosion Hazard Data

Routes of entry for solids and liquids include eye and skin contact, ingestion and inhalation. Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquefied gases.

ACUTE OVEREXPOSURE EFFECTS:

Contact of the decomposition products with the eyes and skin may result in irritation. AC109 itself is harmless. Molten materials can cause thermal burns. If AC109 is subjected to excessive heat the primary decomposition is formaldehyde. Formaldehyde is highly irritating to the upper respiratory tract and eyes, nose, throat and lungs. Repeated exposure may lead to sensitization in some individuals. Formaldehyde overexposure can cause symptoms of bronchial asthma, either by direct irritation or sensitization. Inhalation may cause irritation to the respiratory tract, breathing difficulties, coughing, CNS effects, pneumonia and pulmonary edema. There are no other known acute effects associated with this material.

CHRONIC OVEREXPOSURE EFFECTS:

Chronic inhalation studies in animals have shown that formaldehyde causes nasal cancer in rats. The International Agency for Research on Cancer (IARC) has classified formaldehyde as a carcinogen in Group 2A and the National Toxicology Program (NTP) included formaldehyde in its Annual Report on Carcinogens. OSHA regulates formaldehyde in 29 CFR 1910.1048. The OSHA TWA for formaldehyde is 0.75 ppm. The ACGIH TLV is 1 ppm. The OSHA and ACGIH STEL is 2 ppm.

FIRST AID PROCEDURES-SKIN:

Wash affected areas with soap and water. Remove and launder contaminated clothing before reuse. If irritation develops, get medical attention.

FIRST AID PROCEDURES-EYES:

If contacted with decomposition products immediately wash eyes with running water for 15 minutes. If irritation develops, get medical attention.

FIRST AID PROCEDURES-INGESTION:

If swallowed, dilute with water. DO NOT INDUCE VOMITTING.

FIRST AID PROCEDURES-INHALATION:

Move to fresh air. Aid in breathing, if necessary, and get immediate medical attention.

FIRST AID PROCEDURES-NOTES TO PHYSICIANS:

None Known

FIRSTAID PROCEDURES-AGGRAVATED MEDICAL CONDITIONS:

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No data is available which addresses medical conditions that are generally recognized as being aggravated by exposure to this product. Please refer to the effects of overexposure section for effects observed in animals.

FIRST AID PROCEDURES-SPECIAL PRECAUTIONS:

None

SECTION 6:

Accidental Releases

Stability Data: Stable

Incompatibility:

Avoid contact with polyvinylchloride (PVC) and other plastic that contain halogenated flame retardants when processing AC109. Avoid contact with strong oxidizers and inorganic acids, e.g. hydrochloric, sulfuric acid etc.

Conditions/Hazards to Avoid:

Avoid extreme heat; decomposition occurs at temperatures above 240 °C.

Hazardous Decomposition/Polymerization:

Hazardous Decomposition Products: Formaldehyde and carbon monoxide

Corrosive Properties:

Not Corrosive

Oxidizer Properties:

Not an oxidizer

SECTION 7:

Storage Conditions

Clothing: Gloves, coveralls, apron, and boots as necessary to prevent contact.

Eyes: Safety glasses with side-shields should be worn during industrial operations.

Respiration: NIOSH/MSHA approved organic vapor cartridge respirator may be needed when handling molten material.

Ventilation: Local exhaust ventilation at source may be needed when processing molten material.

Explosion Proofing: None Required

SECTION 8:

Protection Information

Clothing: Gloves, coveralls, apron, and boots as necessary to prevent contact.

Eyes: Safety glasses with side-shields should be worn during industrial operations.

Respiration: NIOSH/MSHA approved organic vapor cartridge respirator may be needed when handling molten material.

Ventilation: Local exhaust ventilation at source may be needed when processing molten material.

Explosion Proofing: None Required

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General:

Reclaim for processing if possible. Spills should be contained and placed in suitable containers for disposal in a licensed facility. This material is not regulated by RCRA or CERCLA ("Superfund").

Waste Disposal:

Incinerate in a licensed facility. Do not discharge into waterways or sewer systems.

Container Disposal:

Unused material and empty containers must be disposed of in accordance with local, state, and federal regulations.

SECTION 9:

Physical/Chemical Data

General:

- Avoid extreme heat.
 - Protect from moisture during transportation and storage.
 - Pellet-handling equipment should be grounded to prevent build up of electrostatic charge.
 - Pellets on floor may be slippery and cause falls.
 - Avoid dust accumulation.
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SECTION 10:

Hazardous Reactivity

DOT Proper Shipping Name:	None
DOT Technical Name:	None
DOT Primary Hazard Class:	None
DOT Secondary Hazard Class:	None
DOT Label Required:	None
DOT Placard Required:	None
DOT Poison Constituent:	None
UN/NA Code:	N/A
E/R Guide:	N/A
Bill of lading Description:	Plastic Pellets

SECTION 11:

TOXICOLOGICAL INFORMATION

SECTION 12:

ECOLOGICAL INFORMATION

SECTION 13:

DISPOSAL

SECTION 14:

TRANSPORT INFORMATION

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SECTION 15:

**SECTION 313 SUPPLIER NOTIFICATIONS:
(SARA TITLE III-TOXIC CHEMICALS LIST)**

This product contains no known toxic chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and 40 CFR 372.

STATE RIGHT TO KNOW LAWS

No substances on the state hazardous list, for the states indicated below, are used in the manufacture of products on this Material Safety Data Sheet, with the exceptions indicated. While we do not specifically analyze these products, or the raw materials used in their manufacture, for substances on various state hazardous substances lists, to the best of our knowledge the products on this Material Safety Data Sheet contain no such substances except for those specifically listed below:

PENNSYLVANIA:

SUBSTANCES ON THE PENNSYLVANIA HAZARDOUS SUBSTANCES LIST PRESENT AT A CONCENTRATION OF 1% OR MORE: NONE KNOWN.

SUBSTANCES ON THE PENNSYLVANIA SPECIAL HAZARDOUS SUBSTANCES LIST PRESENT AT A CONCENTRATION OF 0.01% OR MORE: NONE KNOWN.

CALIFORNIA PROPOSITION 65:

THIS PRODUCT CONTAINS A CHEMICAL OR CHEMICALS KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER.

THIS PRODUCT CONTAINS A CHEMICAL OR CHEMICALS KNOWN TO THE STATE OF CALIFORNIA TO CAUSE BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM.

HMIS Rating

Health	0
Flammability•	1•
Reactivity•	0•
PPE•	A•
#Acute• *Chronic•	

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SECTION 16:

OTHER INFORMATION:

“IMPORTANT: While the descriptions, designs, data and information contained herein are presented in good faith and believed to be accurate, it is provided for your guidance only. Because many factors may affect processing or application/use, we recommend that you make tests to determine the suitability of a product for your particular purpose prior to use. No warranties of any kind, either expressed or implied, including warranties of merchantability or fitness for a particular purpose, are made regarding products described or designs, data or information set forth, or that the products, designs, data or information may be used without infringing the intellectual property rights of others. In no case shall the descriptions, information, data or designs provided be considered a part of our terms and conditions of sale. Further, you expressly understand and agree that the descriptions, designs, data, and information furnished by Pier One Polymers hereunder are given gratis and Pier One Polymers assumes no obligation or liability for the description, designs, data, and information given or results obtained, all such being given and accepted at your “risk”. Pier One Polymers will not make its products available to customers for use in the manufacture of medical devices which are intended for permanent implantation in the human body or in permanent contact with internal bodily tissues or fluids.

END OF DATA SHEET