

MATERIAL SAFETY DATA SHEET

Manufacturer:



Ashton Pumpmatic, Inc.
7670 McEwen Road
Dayton, Ohio 45459

Phone:
937-424-1380
Fax:
937-424-1390

SECTION I.

PRODUCT IDENTIFICATION

Trade Name: Pumpmatic® Liquid Dispensing System

Part No's: 1XX, 2XX, 3XX & 4XX (XX= 01, 05 & 10)

Chemical Name:

The Pumpmatic® comprises both polypropylene and polystyrene plastics. Material Safety Data Sheet information for each of these materials is attached.

The following information is based on data of which we are aware and is believed to be correct as of this date. Since the information contained herein may be unfamiliar and since data made available subsequent to this date may suggest modifications of the information, we do not assume responsibility for the results of its use.

This information is furnished upon the condition that the person receiving it shall make his/her own determination of the suitability of the material for his/her particular purpose.

SECTION II.

HAZARDOUS INGREDIENTS

Material: As we interpret the US OSHA of 1970, this product should not be considered hazardous.

TLV-TWA Values: Not established.

SECTION III.

PHYSICAL DATA

Boiling Point, °F:	Not applicable
Vapor Pressure, mmHg:	Not applicable
Vapor Density, (Air=1):	Not applicable
Solubility in Water:	Negligible
Melting Point, °F:	> 170 °F
Specific Gravity, (H ₂ O=1):	1.03
Percent Volatile, (by Vol):	0.4%
Evaporation Rate (Butyl Acetate=1):	Not applicable
Appearance and Odor:	Solid, Translucent, No Odor

SECTION IV: FIRE AND EXPLOSION DATA

Flash Point: No Data Available
Auto ignition: No Data Available
Flammability limits in air: Not applicable
Extinguishing Media: Water, fog, dry chemical, carbon dioxide, foam

Special Fire Fighting Procedures: Wear self-contained breathing apparatus with full-face piece operated in the positive pressure demand mode and full body protection when fighting fires.

Unusual Fire and Explosion Hazard: Not applicable

SECTION V: HEALTH HAZARDS

Threshold Limit Value No Data Available
Effects of over exposure None
Emergency and First Aid Procedures None

SECTION VI: REACTIVITY DATA

Stability: Stable
Conditions to Avoid: None

Incompatibility (materials to avoid):
Avoid contact with hot or concentrated nitric and perchloric acids, fuming sulfuric acid at 140° F or above. May react with strong oxidizing agents.

Hazardous Decomposition Products:

Carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons.

Hazardous Polymerization: Will not occur
Conditions to avoid: None

SECTION VII: SPILL OR LEAK PROCEDURES

Not applicable

SECTION VIII: SPECIAL PROTECTION INFORMATION

Respiratory protection: None required
Ventilation: None required
Skin protection: None required
Other protective equipment: None

SECTION IX:

SPECIAL PRECAUTIONS

Precautionary labeling: None

Other handling and storage conditions:

Store in sprinkler equipped warehouse. Keep temperature below
140° F for quality control.

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POLYPROPYLENE

SECTION I. PRODUCT IDENTIFICATION

Chemical Name and Synonyms: Polypropylene
 Propylene Homopolymer

Chemical Family: Olefins
Formula: (-CH₂-CH-CH₃-)_n
Tradename: Component part of
 PUMPMATIC®

CAS Number: Not Applicable
Molecular Weight: >200,000

SECTION II. HAZARDOUS INGREDIENTS

Material: As we interpret the US OSHA of 1970, this
 product should not be considered hazardous.

TLV-TWA Values: Not established.

SECTION III. PHYSICAL DATA

Boiling Point, °F: Not applicable
Vapor Pressure, mmHg: Not applicable
Vapor Density, (Air=1): Not applicable
Solubility in Water: Negligible
Melting Point, °F: > 320 °F
Specific Gravity, (H₂O=1): 0.88-0.92
Percent Volatile, (by Vol): 0.4%
Evaporation Rate (Butyl Acetate=1): Not applicable
Appearance and Odor: Solid, Translucent, No Odor

SECTION IV: FIRE AND EXPLOSION DATA

Flash Point: >625° F
Auto ignition: >675° F
Flammability limits in air: Not applicable
Extinguishing Media: Water, fog, dry chemical, carbon
 dioxide, foam

Special Fire Fighting Procedures: Use standard procedure for
 Class A Fires

Unusual Fire and Explosion Hazard: Not applicable

SECTION V: HEALTH HAZARDS

Threshold Limit Value	No Data Available
Effects of over exposure	None
Emergency and First Aid Procedures	None

SECTION VI: REACTIVITY DATA

Stability:	Stable
Conditions to Avoid:	None

Incompatibility (materials to avoid):
Avoid contact with hot or concentrated nitric and perchloric acids, fuming sulfuric acid at 140° F or above. May react with strong oxidizing agents.

Hazardous Decomposition Products:

Carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons.

Hazardous Polymerization:	Will not occur
Conditions to avoid:	None

SECTION VII: SPILL OR LEAK PROCEDURES

Steps to be taken if material is released or spilled:

PUMPMATIC® to be placed in suitable container for disposal.

Waste Disposal Method:
Dispose of PUMPMATIC® in a manner which is consistent with applicable regulations. Contact local environmental or health authorities for approved disposal of the PUMPMATIC®

SECTION VIII: SPECIAL PROTECTION INFORMATION

Respiratory protection:	None required
Ventilation:	None required
Skin protection:	None required
Other protective equipment:	Eye glasses

SECTION IX: SPECIAL PRECAUTIONS

Precautionary labeling:	None
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Other handling and storage conditions:
Store in sprinkler equipped warehouse. Keep temperature below 140° F for quality control.

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POLYSTYRENE

SECTION I. PRODUCT IDENTIFICATION

Chemical Name and Synonyms:	Polystyrene
Chemical Family:	Polystyrene
Formula:	(-C ₆ H ₅ - CH ₂ -) _n
Tradename:	Component part of PUMPMATIC®
CAS Number:	9003-53-6
Molecular Weight:	>100,000

SECTION II. HAZARDOUS INGREDIENTS

Material:	As we interpret the US OSHA of 1970, this product should not be considered hazardous.
TLV-TWA Values:	Not established.

SECTION III. PHYSICAL DATA

Boiling Point, °F:	Not applicable
Vapor Pressure, mmHg:	Not applicable
Vapor Density, (Air=1):	Not applicable
Solubility in Water:	Negligible/Insoluble
Melting Point, °F:	> 170 °F
Specific Gravity, (H ₂ O=1):	1.03
Percent Volatile, (by Vol):	0.1%
Evaporation Rate (Butyl Acetate=1):	Not applicable
Appearance and Odor:	Solid, Translucent, No Odor

SECTION IV: FIRE AND EXPLOSION DATA

Flash Point:	No Data Available
Auto ignition:	No Data Available
Flammability limits in air:	Not applicable
Extinguishing Media:	Dry chemical (preferred is water fog)
Special Fire Fighting Procedures:	For fires involving this material, do not enter any enclosed or confined fire space without proper protective equipment to include self-contained breathing apparatus
Unusual Fire and Explosion Hazard:	Not applicable

SECTION V:

HEALTH HAZARDS

Threshold Limit Value	No Data Available
Effects of over exposure	None
Emergency and First Aid Procedures	None

SECTION VI:

REACTIVITY DATA

Stability:	Stable
Conditions to Avoid:	None

Incompatibility (materials to avoid):
May react with strong oxidizing agents.

Hazardous Decomposition Products:

Carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons.

Hazardous Polymerization:	Will not occur
Conditions to avoid:	None

SECTION VII:

SPILL OR LEAK PROCEDURES

Steps to be taken if material is released or spilled:

PUMPMATIC[®] to be placed in suitable container for disposal.

Waste Disposal Method:

Dispose of PUMPMATIC[®] in a manner which is consistent with applicable regulations. Contact local environmental or health authorities for approved disposal of the PUMPMATIC[®]

SECTION VIII:

SPECIAL PROTECTION INFORMATION

Respiratory protection:	None required
Ventilation:	None required
Skin protection:	None required
Other protective equipment:	Safety glasses

SECTION IX:

SPECIAL PRECAUTIONS

Precautionary labeling:	None
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Other handling and storage conditions:

Store in sprinkler equipped warehouse. Keep temperature below 140° F for quality control.