#### MATERIAL SAFETY DATA SHEET

### Aquamix 1211

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#### 1. PRODUCT AND COMPANY IDENTIFICATION

#### POLYONE CORPORATION 8155 Cobb Center Drive, Kennesaw, GA 30152

Telephone <b>Emergency telephone</b>	:	Product Stewardship (770) 590-3500 x.3563 CHEMTREC 1-800-424-9300 (24hrs for spill, leak, fire, exposure or accident).
Product name	:	Aquamix 1211
Product code	:	F020016764
Chemical Name	:	Mixture
CAS-No.	:	Mixture
Product Use	:	Industrial Applications

#### 2. COMPOSITION/INFORMATION ON REGULATED INGREDIENTS

There are no known hazardous components above regulatory thresholds in this product.

#### **3. HAZARDS IDENTIFICATION**

#### **EMERGENCY OVERVIEW**

This product has not been evaluated as a whole for health effects. Information provided on the health effects of this product is based on individual components. In addition, some vapors or contaminants may be released upon heating and the end-user (fabricator) must take the necessary precautions (mechanical ventilation, respiratory protection, etc.) to protect employees from exposure. See sections 8 and 11 for special precautions.

#### POTENTIAL HEALTH EFFECTS

<b>Routes of Exposure:</b>	: Skin contact, Inhalation, Ingestion
Acute exposure	
Inhalation	: Inhalation of airborne droplets may cause irritation of the respiratory tract.
Ingestion	: May be harmful if swallowed.
Eyes	: May cause eye/skin irritation.
Skin	:
Chronic exposure	: Refer to Section 11 for Toxicological Information.
Medical Conditions Aggravated by Exposure:	: None known.
	4. FIRST AID MEASURES



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Inhalation	: Move to fresh air in case of accidental inhalation of vapors or fumes from overheating or combustion. When symptoms persist or in all cases of doubt seek medical advice.
Ingestion	: Never give anything by mouth to an unconscious person. Seek medical attention if necessary. Do not induce vomiting without medical advice.
Eyes	: Rinse immediately with plenty of water for at least 15 minutes. If eye irritation persists, seek medical attention.
Skin	: Wash off with soap and plenty of water. If skin irritation persists seel medical attention.
	5. FIRE-FIGHTING MEASURES
Flash point	: No data available
Flammable Limits Upper explosion limit Lower explosion limit Autoignition temperature Suitable extinguishing media Special Fire Fighting Procedures Unusual Fire/Explosion Hazards	<ul> <li>No data available</li> <li>No data available</li> <li>No data available</li> <li>No data available</li> <li>Carbon dioxide (CO2), Water, Foam, Dry chemical.</li> <li>Fullface self-contained breathing apparatus (SCBA) used in positive pressure mode should be worn to prevent inhalation of airborne contaminants. Cool closed containers exposed to fire with water spray Do not allow run-off from fire fighting to enter drains or water courses</li> <li>Burning dry latex produces dense black smoke with the possibility of toxic vapors. Residual latex material contained in empty drums may decompose when burned producing toxic or irritating fumes. Carbon dioxide (CO2), carbon monoxide (CO), oxides of nitrogen (NOx),</li> </ul>
	6. ACCIDENTAL RELEASE MEASURES
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Personal precautions	: Ensure response personnel are properly protected (see section 8 for respiratory or other protection guidelines.) Use caution as floors may be slippery.
Environmental precautions	: The product should not be allowed to enter drains, water courses or the soil.
Methods for cleaning up	: Soak up with inert absorbent material (e.g. sand, silica gel, acid binder universal binder, sawdust). Sweep up and shovel into suitable containers for disposal.
	7. HANDLING AND STORAGE



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Handling	:	Use only in area provided with appropriate exhaust ventilation. Prolonged heating may result in product degradation. Material may settle during storage. Careful mixing without introduction of air may be necessary before use.
Storage	:	Containers which are opened must be carefully resealed and kept upright to prevent leakage. Keep in a dry, cool place. Keep from freezing and temperature extremes.
8. EXP	OSUR	RE CONTROLS / PERSONAL PROTECTION
Respiratory protection	:	A respirator is normally not required for routine handling of product in areas of good general ventilation and adequate local exhaust at processing equipment during routine operation. Airborne contaminant levels should be maintained below the occupational exposure guidelines.
Eye/Face Protection	:	Safety glasses with side-shields Wear goggles or face shield during operations that present a splash potential.
Hand protection	:	Impervious gloves such as rubber or PVC
Skin and body protection	:	Long sleeved shirts and long pants are adequate for normal handling. Where operations present a splash or spill potential, employees should wear chemically resistant clothing, boots, apron, gloves, and eye/face protection.
Additional Protective Measures	:	Safety shoes
General Hygiene Considerations	:	Wash hands before breaks and immediately after handling the product. Handle in accordance with good industrial hygiene and safety practices.
Engineering measures	:	Adequate ventilation and/or appropriate respiratory protection may also be necessary to minimize employee exposure to processing vapors.
Exposure limit(s)		
There are no known hazardou	is com	ponents above regulatory thresholds in this product.

#### 9. PHYSICAL AND CHEMICAL PROPERTIES

Evaporation rate

Specific Gravity

Vapour pressure

Vapour density

Bulk density

: Slower than Butyl Acetate

Not determined

: Not applicable

: Not established

: Heavier than air.

:

Form	: liquid
Appearance	: liquid
Color	: NO PIGMENT
Odour	: Slight
Melting point/range	: Not applicable

POLYONE	<b>CORPORATION</b>

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generator of waste material has the responsibility for proper waste         classification, transportation and disposal in accordance with         applicable federal, state/provincial and local regulations.         Contaminated packaging       : Recycling is preferred when possible. The generator of waste material has the responsibility for proper waste classification, transportation and disposal in accordance with applicable federal, state/provincial and local regulations.         U.S. DOT Classification       : Refer to specific regulation.         ICAO/IATA (air)       : Refer to specific regulation.	Boiling Point: Water solubility	: Not established pH : Not determined : completely miscible
Hazardous Polymerization       :       Will not occur.         Conditions to avoid       :       Extremes of temperature and direct sunlight. Keep from freezing.         Incompatible Materials       :       Acids, metal salts, and solvents         Hazardous decomposition products       :       Carbon dioxide (CO2), carbon monoxide (CO), oxides of nitrogen (NOx), other hazardous materials, and smoke are all possible.         INTOXICOLOGICAL INFORMATION         There are no known hazardous components above regulatory thresholds in this product.         IZ ECOLOGICAL INFORMATION         Persistence and degradability       :       No data available         Environmental Toxicity       :       No data available         Additional advice       :       No data available         IS DISPOSAL CONSIDERATIONS         Product       :       Where possible recycling is preferred to disposal or incineration. To generator of waste material has the responsibility for proper waste classification, transportation and disposal in accordance with applicable federal, state/provincial and local regulations.         Contaminated packaging       :       Recycling is preferred when possible. The generator of waste matter has the responsibility for proper waste classification, transportation and disposal in accordance with applicable federal, state/provincial and local regulations.         LECOLOGICAL INFORMATION         U.S. DOT Clas		10. STABILITY AND REACTIVITY
Conditions to avoid       : Extremes of temperature and direct sunlight. Keep from freezing.         Incompatible Materials       : Acids, metal salts, and solvents         Hazardous decomposition products       : Carbon dioxide (CO2), carbon monoxide (CO), oxides of nitrogen (NOx), other hazardous materials, and smoke are all possible.         Incompatible Materials       : Carbon dioxide (CO2), carbon monoxide (CO), oxides of nitrogen (NOx), other hazardous materials, and smoke are all possible.         Incompatible Materials       : Carbon dioxide (CO2), carbon monoxide (CO), oxides of nitrogen (NOx), other hazardous materials, and smoke are all possible.         Incompatible Materials       : Carbon dioxide (CO2), carbon monoxide (CO), oxides of nitrogen (NOx), other hazardous materials, and smoke are all possible.         Incompatible Materials       : Carbon dioxide (CO2), carbon monoxide (CO), oxides of nitrogen (NOx), other hazardous materials, and smoke are all possible.         Incompatible Materials       : No Cata available         Incornomental Toxicity       : No data available         Bioaccumulation Potential       : No data available         Additional advice       : No data available         Incornomental Toxicity       : No data available         Product       : Where possible recycling is preferred to disposal or incineration. Ti generator of waste material has the responsibility for proper waste classification, transportation and disposal in accordance with applicable federal, state/provincial and local regulations.	Stability	: Stable.
Incompatible Materials       :       Acids, metal salts, and solvents         Hazardous decomposition products       :       Carbon dioxide (CO2), carbon monoxide (CO), oxides of nitrogen (NOx), other hazardous materials, and smoke are all possible.         Incompatible Materials       :       Carbon dioxide (CO2), carbon monoxide (CO), oxides of nitrogen (NOx), other hazardous materials, and smoke are all possible.         Incompatible Materials       :       Carbon dioxide (CO2), carbon monoxide (CO), oxides of nitrogen (NOx), other hazardous materials, and smoke are all possible.         Incompatible Materials       :       Incompatible Materials in this product.         Incompatible Materials       :       Incompatible Materials in this product.         Incompatible Materials       :       No data available         Environmental Toxicity       :       No data available         Bioaccumulation Potential       :       No data available         Additional advice       :       No data available         Product       :       Where possible recycling is preferred to disposal or incineration. The generator of waste material has the responsibility for proper waste classification, transportation and disposal in accordance with applicable federal, state/provincial and local regulations.         Contaminated packaging       :       Refer to specific regulation.         U.S. DOT Classification       :       Refer to specific regulation.	Hazardous Polymerization	: Will not occur.
Hazardous decomposition products       : Carbon dioxide (CO2), carbon monoxide (CO), oxides of nitrogen (NOx), other hazardous materials, and smoke are all possible.         II. TOXICOLOGICAL INFORMATION         There are no known hazardous components above regulatory thresholds in this product.         I2. ECOLOGICAL INFORMATION         Persistence and degradability       : No data available         Environmental Toxicity       : No data available         Bioaccumulation Potential       : No data available         Additional advice       : No data available         Product       : Where possible recycling is preferred to disposal or incineration. Ti generator of waste material has the responsibility for proper waste classification, transportation and disposal in accordance with applicable federal, state/provincial and local regulations.         Contaminated packaging       : Recycling is preferred when possible. The generator of waste material has the responsibility for provincial and local regulations.         U.S. DOT Classification       : Refer to specific regulation.         ICAO/IATA (air)       : Refer to specific regulation.	Conditions to avoid	: Extremes of temperature and direct sunlight. Keep from freezing.
products       (NOx), other hazardous materials, and smoke are all possible.         11. TOXICOLOGICAL INFORMATION         There are no known hazardous components above regulatory thresholds in this product.         12. ECOLOGICAL INFORMATION         Persistence and degradability       : No data available         Environmental Toxicity       : No data available         Bioaccumulation Potential       : No data available         Additional advice       : No data available         Product       : Where possible recycling is preferred to disposal or incineration. Tr generator of waste material has the responsibility for proper waste classification, transportation and disposal in accordance with applicable federal, state/provincial and local regulations.         Contaminated packaging       : Recycling is preferred when possible. The generator of waste materi has the responsibility for proper waste classification, transportation and disposal in accordance with applicable federal, state/provincial and local regulations.         U.S. DOT Classification       : Refer to specific regulation.         ICAO/IATA (air)       : Refer to specific regulation.	Incompatible Materials	: Acids, metal salts, and solvents
There are no known hazardous components above regulatory thresholds in this product.         12. ECOLOGICAL INFORMATION         Persistence and degradability       : No data available         Environmental Toxicity       : No data available         Bioaccumulation Potential       : No data available         Additional advice       : No data available         ISINPOSAL CONSIDERATIONS         Product       : Where possible recycling is preferred to disposal or incineration. Tigenerator of waste material has the responsibility for proper waste classification, transportation and disposal in accordance with applicable federal, state/provincial and local regulations.         Contaminated packaging       : Recycling is preferred when possible. The generator of waste material has the responsibility for proper waste classification, transportation and disposal in accordance with applicable federal, state/provincial and local regulations.         U.S. DOT Classification       : Refer to specific regulation.         ICAO/IATA (air)       : Refer to specific regulation.		
It is the transmission of trans		11. TOXICOLOGICAL INFORMATION
Persistence and degradability       : No data available         Environmental Toxicity       : No data available         Bioaccumulation Potential       : No data available         Additional advice       : No data available         I3. DISPOSAL CONSIDERATIONS         Product       : Where possible recycling is preferred to disposal or incineration. Ti generator of waste material has the responsibility for proper waste classification, transportation and disposal in accordance with applicable federal, state/provincial and local regulations.         Contaminated packaging       : Recycling is preferred when possible. The generator of waste material has the responsibility for proper waste classification, transportation and disposal in accordance with applicable federal, state/provincial and local regulations.         Contaminated packaging       : Recycling is preferred when possible. The generator of waste material has the responsibility for proper waste classification, transportation and disposal in accordance with applicable federal, state/provincial and local regulations.         U.S. DOT Classification       : Refer to specific regulation.         ICAO/IATA (air)       : Refer to specific regulation.	There are no known hazardous	components above regulatory thresholds in this product.
Environmental Toxicity       : No data available         Bioaccumulation Potential       : No data available         Additional advice       : No data available         I3. DISPOSAL CONSIDERATIONS         Product       : Where possible recycling is preferred to disposal or incineration. The generator of waste material has the responsibility for proper waste classification, transportation and disposal in accordance with applicable federal, state/provincial and local regulations.         Contaminated packaging       : Recycling is preferred when possible. The generator of waste material has the responsibility for proper waste classification, transportation and disposal in accordance with applicable federal, state/provincial and local regulations.         Local regulations.       : Recycling is preferred when possible. The generator of waste material has the responsibility for proper waste classification, transportation and disposal in accordance with applicable federal, state/provincial and local regulations.         Local regulations.       : Refer to specific regulation.         U.S. DOT Classification       : Refer to specific regulation.         ICAO/IATA (air)       : Refer to specific regulation.		12. ECOLOGICAL INFORMATION
Bioaccumulation Potential       : No data available         Additional advice       : No data available         13. DISPOSAL CONSIDERATIONS         Product       : Where possible recycling is preferred to disposal or incineration. The generator of waste material has the responsibility for proper waste classification, transportation and disposal in accordance with applicable federal, state/provincial and local regulations.         Contaminated packaging       : Recycling is preferred when possible. The generator of waste material has the responsibility for proper waste classification, transportation and disposal in accordance with applicable federal, state/provincial and local regulations.         Local regulations.       : Refer to specific regulation.         U.S. DOT Classification       : Refer to specific regulation.         ICAO/IATA (air)       : Refer to specific regulation.	Persistence and degradability	: No data available
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U.S. DOT Classification: Refer to specific regulation.ICAO/IATA (air): Refer to specific regulation.	Contaminated packaging	and disposal in accordance with applicable federal, state/provincial
ICAO/IATA (air) : Refer to specific regulation.		14. TRANSPORT INFORMATION
ICAO/IATA (air) : Refer to specific regulation.	U.S. DOT Classification	: Refer to specific regulation.
IMO / IMDG (maritime)	ICAO/IATA (air)	: Refer to specific regulation.
into / initio (martunic) . Noter to specific regulation.	IMO / IMDG (maritime)	: Refer to specific regulation.

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	15. REGULATORY INFORMATION
US Regulations:	
OSHA Status	: There are no known hazardous components above regulatory thresholds in this product.
TSCA Status	: All components of this product are listed on or exempt from the TSCA Inventory.
US. EPA CERCLA Hazardous	ubstances (40 CFR 302)
Not applicable	
California Proposition 65	: Not applicable
SARA Title III Section 302 Extr	emely Hazardous Substance
Unless specific chemicals are id	ntified under this section, this product is Not Applicable under this regulation
SARA Title III Section 313 Tox	c Chemicals:
Unless specific chemicals are id	ntified under this section, this product is Not Applicable under this regulation
Canadian Regulations:	
National Pollutant Releas	e Inventory (NPRI)
Not applicable	
WHMIS Classification	: Not controlled.
DSL	: DSL status has not been determined. Quantity use in Canada may be restricted by regulations.
National Inventories:	
Australia AICS	: Not determined
China IECS	: Not determined
Europe EINECS	: Not determined



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Japan ENCS : 1	Not determined
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Korea KECI : Not determined

Philippines PICCS : Not determined

#### **16. OTHER INFORMATION**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.