

**AQUAMIX 496**

Version Number 1.0  
 Revision Date 01/09/2003

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**1. PRODUCT AND COMPANY IDENTIFICATION**

**POLYONE CORPORATION**  
 2700 Papin Street, St. Louis, MO 63103

NON-EMERGENCY TELEPHONE : Product Stewardship, (314) 771-1800  
 Emergency telephone number : **CHEMTREC 1-800-424-9300 (24hrs for spill, leak, fire, exposure or accident).**

Product name : AQUAMIX 496  
 Product code : FO20002012PA  
 Chemical Name : Mixture  
 CAS-No. : Mixture  
 Product Use : Industrial Applications

**2. COMPOSITION/INFORMATION ON HAZARDOUS INGREDIENTS**

Components	CAS-No.	Weight %
Quartz	14808-60-7	0.1 - 1
Mica	12001-26-2	30 - 60

**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**

**Routes of Exposure:** : 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 : Experience shows no unusual dermatitis hazard from routine handling.

**Chronic exposure** : Refer to Section 11 for Toxicological Information.

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**Medical Conditions** : None known.  
**Aggravated by Exposure:**

**4. FIRST AID MEASURES**

**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** : Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. Seek medical attention if necessary.

**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 seek medical attention.

**5. FIRE-FIGHTING MEASURES**

**Flash point** : No data available.

**Flammable Limits**

- Upper explosion limit : No data available.
- Lower explosion limit : No data available.

**Autoignition temperature** : No data available.

**Suitable extinguishing media** : carbon dioxide (CO<sub>2</sub>), water, foam, dry chemical.

**Special Fire Fighting Procedures** : 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.

**Unusual Fire/Explosion Hazards** : 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.

**6. ACCIDENTAL RELEASE MEASURES**

**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.

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Print Date 12/23/2003**7. HANDLING AND STORAGE**

- 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. EXPOSURE 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)

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Components	Value	Exposure time	Exposure type	List:
Mica	3 mg/m3	Time Weighted Average (TWA):	Total dust.	ACGIH
Mica	20 mppcf	PEL:	Total dust.	OSHA
Quartz	0.05 mg/m3	Time Weighted Average (TWA):	Respirable dust.	ACGIH
Quartz	0.1 mg/m3	PEL:	Respirable dust.	OSHA
	0.3 mg/m3	PEL:	Total dust.	OSHA

**9. PHYSICAL AND CHEMICAL PROPERTIES**

Form	: Liquid	Evaporation rate	: Slower than Butyl Acetate
Appearance	: Liquid	Specific Gravity	: Not determined
Color	: NO PIGMENT	Bulk density	: Not applicable.
Odor	: Slight	Vapor pressure	: Not established
Melting point/range	: Not applicable	Vapor density	: Heavier than air.
Boiling Point:	: Not applicable	pH	: Not determined
Water solubility	: Completely miscible		

**10. STABILITY AND REACTIVITY**

Stability	: Stable.
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 (CO <sub>2</sub> ), carbon monoxide (CO), oxides of nitrogen (NO <sub>x</sub> ), other hazardous materials, and smoke are all possible.

**11. TOXICOLOGICAL INFORMATION**

This mixture has not been evaluated as a whole for health effects. Exposure effects listed are based on existing health data for the individual components which comprise the mixture.

Toxicity Overview

This product contains the following components which in their pure form have the following characteristics:

CAS-No.	Chemical Name	Effect	Target Organ
14808-60-7	Quartz	Systemic effects	Eyes, Respiratory system.
12001-26-2	Mica	Systemic effects	Respiratory system.

Carcinogenicity:

This product contains the following components which in their pure form have the following carcinogenicity data:

CAS-No.	Chemical Name	OSHA	IARC	NTP

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14808-60-7	Quartz	no	1	1
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IARC Carcinogen Classifications:

- 1 - The component is carcinogenic to humans.
- 2A - The component is probably carcinogenic to humans.
- 2B - The component is possibly carcinogenic to humans.

NTP Carcinogen Classifications:

- 1 - The component is known to be a human carcinogen.
- 2 - The component is reasonably anticipated to be a human carcinogen.

**Additional Health Hazard Information:**

**Quartz 14808-60-7 This material in its free releasable form may cause respiratory tract irritation, and possibly silicosis which is a scarring of the lungs.**

**12. ECOLOGICAL INFORMATION**

- Persistence and degradability : No data available.
- Environmental Toxicity : No data available.
- 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.

**14. TRANSPORT INFORMATION**

- U.S. DOT Classification : Refer to specific regulation.
- ICAO/IATA : Refer to specific regulation.
- IMO / IMDG : Refer to specific regulation.

**15. REGULATORY INFORMATION**

US Regulations:

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OSHA Status : Classified as hazardous based on components.

TSCA Status : All components of this product are listed on or exempt from the TSCA Inventory.

US. EPA CERCLA Hazardous Substances (40 CFR 302)

Not applicable

California Proposition 65 : WARNING! This product contains a chemical known to the State of California to cause cancer.

Canadian Regulations:

WHMIS Classification : D2A

WHMIS Ingredient Disclosure List

CAS-No.
12001-26-2

DSL : All components of this product are on the Canadian Domestic Substances List (DSL) or are exempt.

National Inventories:

Australia AICS : Listed.

China IECS : Not determined.

Europe EINECS : Not determined.

Japan ENCS : Not determined.

Korea KECI : Not determined.

Philippines PICCS : Not determined.

**16. OTHER INFORMATION**

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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.