
INNOVATIVE ORGANICS

MSDS

1. CHEMICAL PRODUCT AND COMPANY INFORMATION

PRODUCT NAME: Amtron OR5B

Manufacturer: INNOVATIVE ORGANICS
SAINT-GOBAIN CERAMIC MATERIALS
4905 East Hunter Avenue
Anaheim, CA 92807

Emergency information: Chemtrec, 1-800-424-9300

Product information: 1-714-701-3900

2. COMPOSITION INFORMATION

Component	CAS Number	%	OSHA Hazard	Exposure Limits
PRODUCT COMPOSITION IS PROPRIETARY.				
Phosphoric acid	7664-38-2	<10%		3 mg/ m3

*As defined by SARA, Title 3 and California Proposition 65.

**Not Established

3. HAZARDS IDENTIFICATION

Emergency Overview

Physical Characteristics: Clear colorless liquid, sweet odor.

Warning Statements: Will causes severe irritation and burns.

Potential Health Effects

EYES: Will cause severe eye irritation and burns.

SKIN: Prolonged or repeated exposure will cause irritation or burns.

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3. HAZARDS IDENTIFICATION (CONTINUED)

INHALATION: Irritation and burns of the respiratory tract.

INGESTION: Will cause burns of soft tissue, stomach ache, nausea, vomiting and headache.

SIGNS and SYMPTOMS: Severe irritation and burns of skin and soft tissue.

4. FIRST AID MEASURES

EYES: Rinse with large quantities of water. Get immediate medical attention.

SKIN: Rinse with large quantities of water. Remove contaminated clothing. Get medical attention.

INHALATION: Remove to fresh air. Get immediate medical attention. If breathing has stopped use CPR.

INGESTION: Dilute stomach contents with milk or water. Do not induce vomiting.
Do not give fluids to an unconscious person. Call a physician immediately.

5. FIRE FIGHTING MEASURES

FLASH POINT (METHOD): None.

FLAMMABILITY CLASS: Not applicable.

FLAMMABILITY LIMITS IN AIR, % BY VOLUME, Not established.

FIRE AND EXPLOSION HAZARD: None.

EXTINGUISHING MEDIA: Foam CO2 or water spray.

FIRE FIGHTING INSTRUCTIONS: Use normal procedures for fighting chemical fires

6. ACCIDENTAL RELEASE MEASURES

STEPS TO TAKE IF MATERIAL IS SPILLED OR RELEASED:

Stop spill at source. Spill material may be neutralized with base such as sodium carbonate. Collect spills in appropriate containers for disposal. Caution: neutralization will generate heat.

SPILL PRECAUTIONS: Spill areas, such as floors, may become slippery. Dilution or neutralization will generate heat. Avoid direct contact with spilled material.

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7. HANDLING AND STORAGE

STORAGE AND TRANSPORTATION CONDITIONS:

Avoid temperatures below 0 °C or above 50 °C. If product freezes, thaw fully and mix before use.

HANDLING: Avoid all personal contact, particularly with skin and eyes. Wash thoroughly after handling.

STORAGE: Store in cool area. Keep containers tightly closed when not in use.

8. PERSONAL PROTECTION AND EXPOSURE CONTROLS

RESPIRATORY PROTECTION: Required if material is heated or vapors exceed applicable standard.

VENTILATION: Mechanical ventilation necessary when heated.

PROTECTIVE GLOVES: Latex, nitrile or PVC

EYE PROTECTION: Goggles with chemically resistant face shield.

OTHER PROTECTIVE EQUIPMENT: As necessary to avoid all personal contact.

EXPOSURE GUIDELINES:

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR: Clear colorless liquid, sweet odor.

BOILING POINT: >100 C

MELTING POINT: <0 C

SPECIFIC GRAVITY (H₂O=1): 1.20

% VOLATILES BY VOLUME: 70-80%(water)

WATER SOLUBILITY (% vol): Soluble

pH (neat, unless specified): 1.2

VAPOR DENSITY: Unknown

VAPOR PRESSURE @ 20 °C: Unknown

EVAPORATION RATE (BUTYL ACETATE =1): <1

10. STABILITY AND REACTIVITY

STABILITY: Product is stable. **CONDITIONS TO AVOID:** None.

HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of carbon and phosphorus.

HAZARDOUS POLYMERIZATION: Will not occur.

CONDITIONS TO AVOID: None.

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11. TOXICOLOGICAL INFORMATION

EYES: Corrosive and may cause blindness.

SKIN: Low corrosivity and absorption potential. LD50 >3160 mg/kg (rat).

INHALATION: No available data. Inhalation of mists may cause irritation and possible burns of the respiratory tract.

INGESTION: Expected to have low oral toxicity, but may cause burns of the gastrointestinal tract. LD50 >4400 mg/kg (rat).

CHRONIC TOXICITY: No data available. Repeated ingestion of excessively high levels may result in Kidney damage

CARCINOGENICITY: None.

12. ECOLOGICAL INFORMATION

ECOTOXICITY: No data available. Surfactant composition likely to be toxic to aquatic life in low concentrations

ENVIRONMENTAL FATE: Mostly inorganic phosphate composition will be utilized by plants as essential nutrients.
Minor organic constituents are bio-degradable and not expected to persist in the environment.

13. DISPOSAL INFORMATION

WASTE DISPOSAL METHODS:

Waste disposal procedures must be in accordance with government and local regulations.

Soda ash and lime may be used as neutralizing agents for material that cannot be salvaged. Neutralized liquid may be discharged to treatment in accordance with regulatory procedures.

EMPTY CONTAINER DISPOSAL:

Triple rinse with water prior to disposal.

WASTE CLASSIFICATION: Not applicable.

14. TRANSPORTATION INFORMATION

DOT & IATA INFORMATION

SHIPPING NAME: n/a

HAZARD CLASS: n/a

UN/NA NUMBER: n/a

PACKAGING GROUP: n/a

LABELS REQUIRED: n/a

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15. REGULATORY INFORMATION

UNITED STATES FEDERAL REGULATIONS:

CERCLA SECTION 103: This product contains the following chemicals that require notification of the National Response Center of release of quantities greater than the reportable quantity:

Phosphoric acid

SARA SECTION 302: This product contains the following chemicals requiring emergency planning:

Phosphoric acid

SARA SECTION 311/312 HAZARD CATEGORIES:

Immediate health hazard.

SARA SECTION 313: This product contains the following chemicals subject to the reporting requirements of the Emergency Planning and Community Right to Know Act:

Phosphoric acid

STATE RIGHT-TO-KNOW REGULATIONS:

California Proposition 65: This product does not contain any chemicals known to the state of California to cause cancer or birth defect:

INTERNATIONAL REGULATIONS:

None known.

CHEMICAL INVENTORIES: This product's ingredients are on the following chemical inventories:

TSCA

16. OTHER INFORMATION

HAZARDOUS MATERIALS INFORMATION SYSTEM (HMIS)

HEALTH	2	SUMMARY OF RATINGS SCALE O No significant risk to health 1 Slight hazard 2 Moderate hazard 3 Serious hazard 4 Severe hazard
FLAMMABILITY	O	
REACTIVITY	O	
PERSONAL PROTECTION	C	

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DEFINITIONS

SUMMARY OF HMIS RATINGS

HEALTH HAZARD RATINGS

- O No significant risk to health.
- 1 Irritation or minor reversible injury possible.
- 2 Temporary or minor injury may occur.
- 3 Major injury likely unless prompt action is taken and medical treatment is given.
- 4 Life-threatening, major or permanent damage may result from single or repeated exposures.

FLAMMABILITY HAZARD RATINGS

- O Materials that are normally stable and will not burn unless heated.
- 1 Materials that must be preheated before ignition will occur. Flammable liquids in this category will have flash points at or above 200°F (NFPA Class IIIB).
- 2 Materials that must be moderately heated before ignition will occur, including flammable liquids with flash points at or above 100°F and below 200°F (NFPA Class II & IIIA).
- 3 Materials capable of ignition under almost all normal temperature conditions, including flammable liquids with flash points below 73°F and boiling points above 100°F as well as liquids with flash between 73°F and 100°F (NFPA Class IB & IC).
- 4 Very flammable gasses or very volatile, flammable liquids with flash points below 73°F and boiling points below 100°F (NFPA Class 1A).

REACTIVITY HAZARD RATING

- O Materials that are normally stable, even under fire conditions and will not react with water.
- 1 Materials that are normally stable, but can become unstable at high temperatures and pressures. These materials may react with water, but they will not release energy violently.
- 2 Materials that are normally unstable and will readily undergo violent chemical change, but will not detonate. These materials may also react violently with water.
- 3 Materials that are capable of detonation or explosive reaction, but require a strong initiating source or must be heated under confinement before initiation, or materials that react explosively with water.
- 4 Material that are readily capable of detonation or explosive decomposition at normal temperatures and pressures.

PERSONAL PROTECTION INDEX DEFINITIONS

- A Safety glasses
- B Safety glasses, gloves
- C Safety glasses, gloves synthetic apron
- D Face shield, gloves, synthetic apron.
- E Safety glasses, gloves, dust respirator.
- F Safety glasses, gloves, synthetic apron, dust respirator.
- G Safety glasses, gloves, vapor respirator.
- H Splash goggles, gloves synthetic apron, vapor respirator.
- I Safety glasses, gloves, combination dust & vapor respirator.
- J Splash goggles, gloves, synthetic apron, combination dust & vapor respirator.
- K Airline hood or mask, gloves, full protective suit, boots.
- X Ask your supervisor for specialized handling directions.