
INNOVATIVE ORGANICS

MSDS

1. CHEMICAL PRODUCT AND COMPANY INFORMATION

PRODUCT NAME: Instat S9

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
Isopropanol	67-63-0	<40%		PEL=400ppm
PRODUCT COMPOSITION IS PROPRIETARY.				

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

**Not Established

3. HAZARDS IDENTIFICATION

Emergency Overview

Physical Characteristics: Clear colorless liquid, alcohol odor.

Warning Statements: May cause eye and skin irritation, stomachache, nausea, diarrhea, vomiting and headache.

Potential Health Effects

EYES: May cause moderate eye irritation and possible corneal injury

SKIN: Prolonged or repeated exposure may cause irritation and possible minor burns

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3. HAZARDS IDENTIFICATION (CONTINUED)

INHALATION: Not a hazard under normal conditions.

INGESTION: May cause stomachache nausea diarrhea vomiting and headache

SIGNS and SYMTOMS: Skin/eye irritation, stomachache, nausea, diarrhea, vomiting and headache.

4. FIRST AID MEASURES

EYES: Rinse with large quantities of water for at least 15 minutes

SKIN: Rinse with large quantities of water for at least 15 minutes

INHALATION: Remove to fresh air.

INGESTION: Dilute stomach contents with water. Do not induce vomiting.

5. FIRE FIGHTING MEASURES

FLASH POINT (METHOD): ~80°F

FLAMMABILITY CLASS: OSHA Class I Flammable liquid

FLAMMABILITY LIMITS IN AIR, % BY VOLUME, Not established

FIRE AND EXPLOSION HAZARD: Hazardous when exposed to heat or flame.

EXTINGUISHING MEDIA: Foam, CO2, or water spray

FIRE FIGHTING INSTRUCTIONS: Wear self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

STEPS TO TAKE IF MATERIAL IS SPILLED OR RELEASED:

Stop spill at source. Collect spills in appropriate containers for disposal.

SPILL PRECAUTIONS: Caution: spill area (floors, etc...) may become slippery.

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7. HANDLING AND STORAGE

STORAGE AND TRANSPORTATION CONDITIONS:

HANDLING: Avoid contact 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: Organic vapor respirator recommended in misting environments.

VENTILATION: Local exhaust recommended.

PROTECTIVE GLOVES: Solvent resistant gloves recommended

EYE PROTECTION: Safety glasses or goggles.

OTHER PROTECTIVE EQUIPMENT: As necessary to avoid eye contact.

EXPOSURE GUIDELINES: Isopropanol: 400PPM TWA, 500 ppm STEL

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR: Clear colorless liquid, alcohol odor.

BOILING POINT: 80°C

MELTING POINT: <0°C

SPECIFIC GRAVITY (H₂O=1): 0.94

% VOLATILES BY VOLUME: 50%(IPA, water)

WATER SOLUBILITY (% vol): Soluble

pH (neat, unless specified): 9.0 @5% in DI water

VAPOR DENSITY: <2.0

VAPOR PRESSURE @ 20°C: ~30mmHg

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 nitrogen.

HAZARDOUS POLYMERIZATION: Will not occur.

CONDITIONS TO AVOID: None.

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11. TOXICOLOGICAL INFORMATION

EYES: Isopropanol (Rabbit): Slight to moderate eye irritation

SKIN: Isopropanol Dermal LD50: (Rabbit) 16.4 g/kg

INHALATION: Isopropanol Oral LC50: (Rat) 12,000 ppm/ 8 hours

INGESTION: Isopropanol Oral LD50: (Rabbit) 5.8 g/kg, (Dog) 6.2 g/kg, (Rabbit) 7.9 g/kg

CHRONIC TOXICITY: Isopropanol Inhalation Study (41 days, Mouse): 10,900 ppm (narcosis)

CARCINOGENICITY: None.

12. ECOLOGICAL INFORMATION

ECOTOXICITY: Product can reasonably be expected to be toxic to aquatic life.

ENVIRONMENTAL FATE: From BOD and COD data, this product is expected to be completely biodegradable.

13. DISPOSAL INFORMATION

WASTE DISPOSAL METHODS:

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

Contains BTU value. Small volumes may be disposed of by atomizing in appropriate combustion chamber.

EMPTY CONTAINER DISPOSAL:

Do not pressurize, cut, weld, braze, solder, drill, grind or expose empty containers to heat. Return empty drums to qualified reconditioner.

WASTE CLASSIFICATION: Flammable liquid

14. TRANSPORTATION INFORMATION

DOT & IATA INFORMATION

SHIPPING NAME: Isopropyl alcohol mixture

HAZARD CLASS: Class 3 (Flammable)

UN/NA NUMBER: UN1219

PACKAGING GROUP: PGII

LABELS REQUIRED: Flammable Liquid

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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:

None.

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

None.

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:

None.

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 defects.

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	1	SUMMARY OF RATINGS SCALE 0 No significant risk to health 1 Slight hazard 2 Moderate hazard 3 Serious hazard 4 Severe hazard
FLAMMABILITY	3	
REACTIVITY	0	
PERSONAL PROTECTION	B	

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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 gases 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 Materials 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.