



MATERIAL SAFETY DATA SHEET

Product:**SP2474 Resin OnGuard H⁺, 50G**

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The following information is believed to be accurate and is currently the best information available to us. However, we make no warranties, express or implied, with respect to the information supplied and we assume no liability resulting from its use.

2. HAZARDOUS IDENTIFICATION

HAZARD CLASS:	Irritant	NFPA	HMIS	
Eyes:	Irritant	HEALTH	1	1
Skin:	Irritant	FLAMMABILITY	1	1
Ingestion:	Irritant	REACTIVITY	1	1
Inhalation:	Irritant	SPECIAL	None	None

3. COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS COMPONENTS:	Styrene/Divinylbenzene Copolymer H ⁺ Form	Water
PERCENT (%):	59-61	39-41
CAS NO.:	69011-20-7	7732-18-5
EC# :	Not Found	231-791-2
RISKS:	R36/37/38	None
SAFETY:	S20, S24/25, S36/37/39	None

4. FIRST AID MEASURES

- GENERAL:** Remove contaminated clothing and wash thoroughly before reuse.
- EYES:** Flush eyes with water for at least 15 minutes occasionally raising upper and lower eyelids and seek medical advice for possible irritation.
- SKIN:** Remove contaminated clothing and flush affected area thoroughly with water.
- INHALATION:** Move to fresh air and seek medical advice for possible irritation.
- INGESTION:** If large amounts are swallowed get medical help immediately. If patient is conscious give large quantities of water.

5. FIRE FIGHTING MEASURES

UNUSUAL FIRE AND EXPLOSION: None

HAZARDS: Mild Irritant

EXTINGUISHING MEDIA: Carbon Dioxide, Wet, Foam, Dry Chemical.

SPECIAL FIRE FIGHTING PROCEDURES: Firefighters subject to products of combustion should wear full-protective clothing including self-contained breathing apparatus operated in positive pressure mode. Use water to keep fire-exposed containers cool.



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6. ACCIDENTAL RELEASE MEASURES

- a. Ventilate area.
- b. Wear appropriate protective clothing, dust mask, and eye protection.
- c. Contain spill and minimize air current to minimize airborne particles.
- d. Carefully sweep up and remove to a proper disposal container in accordance with local, state, and federal requirements.

7. HANDLING AND STORAGE

- Ensure good ventilation.
- Have an eye wash in the immediate area in case of emergency.
- Store at or below room temperature.
- Keep container tightly closed.
- Use good laboratory practice when working with any chemical whether it is considered hazardous or non-hazardous.

8. EXPOSURE CONTROL/PERSONAL PROTECTION

ROUTES OF ENTRY

INHALATION: Yes

SKIN: Yes

INGESTION: Yes

HEALTH HAZARDS

ACUTE: No hazards under normal conditions. Resin may cause irritation of skin, eyes and mucous membranes. Resin may be harmful if ingested.

CHRONIC: None identified.

VENTILATION

LOCAL EXHAUST: Good laboratory ventilation is acceptable.

MECHANICAL (GENERAL): None.

SPECIAL: If exposure to the resin is experienced creating discomfort for the operator a NIOSH approved dust mask is recommended during clean-up of the spill.

OTHER: None.

PROTECTIVE CLOTHING OR EQUIPMENT

GLOVES: Disposable laboratory gloves are adequate.

EYE PROTECTION: Wear glasses or goggles.

RESPIRATORY: Wear a NIOSH approved dust mask is recommended.

OTHER: Lab Coat.



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9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	Dark brown to light brown color.
ODOR:	Typically odorless.
pH:	Not applicable.
MOLECULAR WEIGHT:	Not applicable, polymer material.
MELTING POINT:	Polymer decomposes at ~220 °C (428 °F)
BOILING POINT:	Not applicable.
AUTOIGNITION TEMPERATURE:	Not applicable.
FLASH POINT:	Not applicable.
LOWER EXPLOSION LIMIT:	None established.
UPPER EXPLOSION LIMIT:	None established.
SPECIFIC GRAVITY:	None established.

10. STABILITY & REACTIVITY

STABILITY/CONDITIONS TO AVOID:	Stable under normal conditions of use and storage.
INCOMPATIBILITY (MATERIALS TO AVOID):	Strong oxidizing agents such as concentrated nitric acid
HAZARDOUS DECOMPOSITION:	Oxides of sulfur, various substituted benzenes, carbon monoxide, carbon dioxide, silver compounds
HAZARDOUS POLYMERIZATION:	Will not occur

11. TOXICOLOGY INFORMATION

PRODUCT TOXICOLOGY INFORMATION:

SYMPTOMS AND SIGNS OF EXPOSURE:	May cause minor soreness or redness of eyes or mucous membranes.
MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:	Unknown
EMERGENCY AND FIRST AID PROCEDURES:	In case of contact, wash skin with copious amounts of water. Flush eyes with copious amounts of water for at least 15 minutes. If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Submit to medical examination.
CARCINOGENICITY:	No data found
RTECS #:	No data found
ACGIH TLV TWA:	No data found
OSHA PEL:	No data found
NTP:	No data found
IARC Monographs:	No data found



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HAZARDOUS COMPONENT TOXICOLOGY INFORMATION:

Hazardous Components:	Styrene/Divinylbenzene Copolymer H ⁺ Form
RTECS #:	Not Found
OSHA PEL:	Not Found
ACGIH TLV:	Not Found
TOXICITY DATA:	None

12. ECOLOGICAL INFORMATION

- No information is found on environmental toxicity for this solution.

13. DISPOSAL CONSIDERATIONS

- Contact local hazardous materials or chemical waste disposal agency for regulations.

14. TRANSPORT INFORMATION

IATA CLASSIFICATION: Not Regulated

UN ID NUMBER:
PROPER SHIPPING NAME:
CLASS OR DIVISION:
SUB RISK:
HAZARD LABEL(S):
PACKAGING GROUP:
LIMITED QUANTITY PKG INSTRUCTION:
MAXIMUM LIMITED QUANTITY:
SPECIAL PROVISIONS:
ERG CODE:

15. REGULATORY INFORMATION

PRODUCT RISK STATEMENTS: R36/37/38 Irritating to eyes, respiratory system, and skin

PRODUCT SAFETY STATEMENTS: S20 When using do not eat or drink
S24/25 Avoid contact with skin and eye
S36/37/39 Wear suitable protective clothing, gloves, and eye/face protection

16. OTHER INFORMATION