

Section 1. PRODUCT IDENTIFICATION

Product Identifiers

Product Name: Jordi Gel XStream Resin.

CAS number: Not available

Product Part Numbers: JL47012

Synonyms: Poly(1,3,5-triazine-2,4,6(1H,3H,5H)-trione).

Recommended use: Aqueous gel permeation chromatography (GPC), Laboratory chemicals.

Uses advised against: None known.

Details of the Supplier of the Safety Data Sheet:

Company: Sorbent Technologies
5955 Peachtree Corners
EastNorcross, GA 30071
USA

Emergency Telephone Number: 1-866-767-2832

Section 2. HAZARD IDENTIFICATION

United States: According OSHA 29 CFR 1910.1200 HCS

GHS Classification of the Substance or Mixture including Precautionary Statements:

Acute Toxicity—Oral, Category 4. No information was located on the health hazards of the polymer poly(1,3,5-Triallyl- 1,3,5-triazine-2,4,6(1H3H5H)-trione). The health hazards presented in the Safety Data Sheet pertain to the monomer 1,3,5,-Triallyl isocyanurate (CAS No. 1025-15-6). Combustible Dust.

GHS Label Elements:

Signal word: Warning



Hazard statement: Contact may cause eye irritation. Dust may cause irritation to the respiratory tract.

H335: May cause respiratory irritation.

H302: Harmful if swallowed.

Precautionary Statement:

Prevention: P261: Avoid breathing dust/fume.

P264: Wash thoroughly after handling.

Response: P301: IF SWALLOWED:, P312: Call a POISON CENTER or doctor/if you feel unwell. P330: Rinse mouth.

P304: IF INHALED: Remove to fresh air.

Storage: P402: Store in a dry place.

P403: Store in a well ventilated area.

P405: Store locked up.

Disposal:: P501: Dispose of waste and residues including containers in accordance with local authority requirements.

Other Hazards Not Otherwise Classified (HNOC): None known.

Supplemental information: None

Section 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Characterization:

Components	CAS No. / EC No.	%	REACH Registration No.	INDEX No.
Poly(1,3,5-triallyl-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione	Not available	100	—	—

Impurities/Stabilizing additives:

The product may contain <10ppm 1.3.5-Triallyl isocyanurate (CAS No. 1025-15-6)

Section 4. FIRST AID MEASURES

Description of First Aid Measures

Inhalation: If inhaled: Call a poison center or doctor if you feel unwell.

Acute and delayed symptoms and effect: May Cause respiratory irritation. Signs and symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain. Remove to fresh air and keep at rest. Seek medical attention if cough or respiratory symptoms develop or persists.

Skin: If on skin: Wash with plenty of soap and water. Call a poison center or doctor if you feel unwell.

Acute and delayed symptoms and effects: May cause skin irritation. Signs/symptoms may include localized redness, swelling, and itching.

Eyes: If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing. Call a poison center or doctor if you feel unwell.

Acute and delayed symptoms and effects: May cause eye irritation. Signs/symptoms may include redness, swelling, pain, tearing, and blurred or hazy vision.

Ingestion: If swallowed: Rinse mouth. Call a poison center or doctor if you feel unwell. If vomiting occurs, keep head low so that stomach content does not get into lungs. Do not induce vomiting without advice from poison control center. Never give anything by mouth to an unconscious person. Seek medical attention if gastrointestinal symptoms develop.

Acute and delayed symptoms and effects: Harmful if swallowed. May cause gastrointestinal irritation. Signs/symptoms may include abdominal pain, upset stomach, nausea, vomiting, and diarrhea

Notes to Physician: Provide general supportive measures and treat symptomatically, symptoms may not develop immediately

General Information: In case of an accident, or, if you feel unwell, seek medical advice immediately. (show label or SDS where possible). Ensure that medical personnel are aware of the materials involved, and take precautions to protect themselves.

Section 5. FIRE-FIGHTING MEASURES

FLAMMABILITY AND EXPLOSION INFORMATION

May form combustible dust concentrations in air. Not flammable or combustible by OSHA/WHMIS criteria.

Sensitivity to Mechanical Impact: This material is not sensitive to mechanical impact.

Sensitivity to Static Discharge: In the form of dust, this material is sensitive to static discharge and may form explosive mixtures with air. This material is not sensitive to static discharge.

MEANS OF EXTINCTION

Suitable Extinguishing Media: Dry chemical, carbon dioxide (CO₂), water spray, fog or regular foam. Move containers from fire area if you can do it without risk.

Unsuitable Extinguishing Media: None known. Auto-ignition temperature: Not available

Protective Equipment and precautions for firefighters:

Protective Equipment: Wear positive pressure self-contained breathing apparatus (SCBA) Structural firefighters' protective clothing will only provide limited protection.

Precautions: Fire may produce irritating, corrosive and/or toxic gases, Runoff from fire control or dilution water may cause pollution.

Products of Combustion: Thermal decomposition or combustion may liberate carbon oxides and nitrogen oxides.

Specific methods: Use standard firefighting procedures and consider the hazards of other involved materials.

Section 6. ACCIDENTAL RELEASE MEASURES

Emergency Procedures:

Keep unnecessary and unauthorized personnel away. Keep people away from and upwind of spill/leak. Ventilate closed spaces before entering. ELIMINATE all ignition sources. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Local authorities should be advised if significant spillages cannot be contained. Surfaces may become slippery after spillage. Wear suitable protective clothing and gloves. For personal protection, see section 8 of the SDS.

Environmental Precautions:

Keep out of drains, sewers, ditches, and waterways.

Methods for Containment:

Do not flush to sewer or allow to enter waterways. Avoid the generation of dusts during clean-up.

Methods for Clean-up:

If a Spill or Leak Occurs: Material is slippery if spilled on floor. Mop with soapy water, rinse well. Use explosion-proof equipment. Dust can be a fire or explosion hazard.

Disposal Method: Sweep up or vacuum up and shovel into suitable containers for disposal. Dispose in a facility for non-hazardous wastes. Spent should be disposed of in accordance with State and Federal laws.

Container Disposal: Do not reuse empty bags or drums. Dispose of used bags in facility permitted for non-hazardous wastes.

Other Information: See Section 13 for disposal considerations.

Section 7. HANDLING AND STORAGE

Precautions for Safe Handling

Handling: Do not swallow. Avoid breathing dust. Wash thoroughly after handling. Do not eat, drink, or smoke when using this product. See Section 8 for information on Personal Protective Equipment.

Conditions for Safe Storage, Including any Incompatibilities

Storage: Store away from incompatible materials. See Section 10 for information on Incompatible Materials. Triallyl isocyanurate may form peroxides during storage when in contact with air. Keep away from oxidizers, sunlight, heat or flames. Store away from ignition sources.

Section 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Component

Poly(1,3,5-Triallyl-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione)

OSHA

15mg/m³ (Total dust) (TWA), 5 mg/m³ (Respirable fraction) (TWA); For Particulates Not Otherwise Regulated (PNOR)

ACGIH

10mg/m³ (Total Dust) (TWA), 3mg/m³ (Respirable fraction) (TWA); For Particulates Not Otherwise Regulated (PNOR)

Component

1,3,5-Triallyl Isocyanurate [CAS No. 1025-15-6]

OSHA

15mg/m³ (Total dust) (TWA), 5 mg/m³ (Respirable fraction) (TWA); For Particulates Not Otherwise Regulated (PNOR)

ACGIH

10mg/m³ (Total Dust) (TWA), 3mg/m³ (Respirable fraction) (TWA); For Particulates Not Otherwise Regulated (PNOR)

Exposure Controls

Engineering Controls: Use explosion-proof electrical, ventilation, and lighting equipment.

Eye Protection: Wear safety glasses. Indirect vented, dust-tight goggles are required if dust is generated when handling this product, Use equipment for eye protection that meets the standards referenced by CSA Standard CAN/CSA-Z94.3-92 and OSHA regulations in 29 CFR 1910.133 for Personal Protective equipment.

Skin protection: Wear protective gloves. Consult manufacturer specific specifications for further information. **Body protection:** Wear protective clothing.

Respiratory Protection: If engineering controls and ventilation are not sufficient to control exposure to below the allowable limits then an appropriate NIOSH/MSHA approved air-purifying respirator that meets the requirements of CSA Standard CAN/CSA-Z94.4-11, with a particulate filter, or self-contained breathing apparatus must be used.

Hand Protection: Wear appropriate chemical resistant gloves. Suites can be recommended by the glove supplier.

General Industrial Hygiene Considerations

Handle in accordance with established industrial hygiene and safety practice.

Environmental Exposure Controls

No special environmental precautions required. Avoid release to the environment.

ACGIH is the American Conference of Governmental Industrial Hygienists

OSHA is the Occupational Safety and Health Administration

NIOSH is the National Institute of Occupational Safety and Health

PEL is the Permissible Exposure Limits established by OSHA.

TLV is the Threshold Limit Value a term ACGIH uses to express the maximum airborne concentration of a material to which most workers can be exposed during a normal daily and weekly work schedule without adverse effects.

MSHA is the Mine Safety and Health Administration

Section 9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical Properties:

Appearance:	White powder
Physical State:	Solid.
Color:	White.
Form:	Granular or powder.
Odor:	Odorless.
Odor Threshold:	Not available.
pH:	Not available.
Melting Point/Range:	Not available.
Boiling Point/Range:	Not available.
Flash Point:	Not available.
Evaporation Rate:	Not available.
Flammability (solid, gas); Flammability or Explosive Limits	May form combustible dust concentrations in air.
Upper:	Not available.
Lower:	Not available.
Vapor Pressure:	Not available.
Vapor Density:	Not available.
Relative Density:	0.8 (water =1).
Solubility (water):	Insoluble.
Solubility (solvents):	Insoluble .
Partition Coefficient; n-octanol/water:	No data available.
Auto-ignition Temperature:	426.7 deg. C (800 deg. F)
Decomposition Temperature:	Not available.
Viscosity:	Not available.
Bulk density:	Not available.
Percent Volatile, wt. %	0
VOC Content, wt. %	0
Explosive properties:	Not explosive.
Oxidizing properties:	Not oxidizing.
Other safety information:	Not available.

Section 10. STABILITY AND REACTIVITY

Reactivity

Contact with incompatible materials. Sources of ignition. Exposure to heat.

Chemical Stability

Stable under normal storage conditions.

Possibility of Hazardous Reactions

None known.

Conditions to Avoid

Contact with incompatible materials. Sources of ignition. Exposure to heat.

Incompatible Materials

Contact with strong oxidizers such as ozone, liquid oxygen, chlorine, permanganate, etc. may result in rapid combustion.

Hazardous Decomposition Products

Peroxides.

Section 11. TOXICOLOGICAL INFORMATION

Information on Toxicological Effects

Acute Toxicity

Component	Cas-No	LD50 Oral	LD50 Dermal	LC50 Inhalation
Poly(1,3,5-Triallyl-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione)	N/A	N/A	N/A	N/A
1,3,5-Triallyl Isocyanurate	1025-15-6	1000mg/kg (rat)	N/A	N/A

Likely Routes of Exposure: Eye contact. Skin contact. Inhalation. Ingestion.

Target Organs: Skin. Eyes. Gastrointestinal tract. Respiratory System.

Symptoms (including delayed and immediate effects)

Inhalation: May cause respiratory irritation. Signs/symptoms may include cough, sneezing, nasal discharge, head-ache, hoarseness, and nose and throat pain.

Eye: May cause eye irritation. Signs/symptoms may include redness, swelling, pain, tearing, and blurred or hazy vision.

Skin: May cause skin irritation. Signs/symptoms may include localized redness swelling, and itching.

Ingestion: Harmful if swallowed. May cause gastrointestinal irritation. Signs/symptoms may include abdominal pain, upset stomach, nausea, vomiting, and diarrhea.

Skin Sensitization: N/A

Respiratory Sensitization: N/A

Medical Conditions Aggravated by Exposure: N/A

EFFECTS OF CHRONIC EXPOSURE (from short to long-term exposure)

Target Organs: Skin. Eyes. Gastrointestinal tract. Respiratory System.

Chronic Effects: Prolonged or repeated contact may dry skin and cause irritation.

Carcinogenicity: This product does not contain any carcinogens or potential carcinogens as listed by ACGIH, IARC, OSHA, or NTP.

Mutagenicity: Triallyl isocyanurate was negative when tested for mutagenicity in *Salmonella typhimurium*, in the presence and absence of metabolic activation. Similarly, it did not induce sister chromatid exchanges (SCE), or chromosomal aberrations in CHO cells when sampled 8 to 10.5 hours after the start of treatment. However, in CHO or CHL cells, it produced a clastogenic, dose-dependent response in the presence of metabolic activation when sampling occurred 24 hours after the start of treatment.

Reproductive Effects: N/A

Developmental Effects

Teratogenicity: N/A

Embryotoxicity: N/A

Toxicologically Synergistic Materials: N/A

Section 12. ECOLOGICAL INFORMATION

Ecotoxicity

The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have harmful or damaging effect on the environment.

Environmental effects

The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Persistence/ Degradability

No data is available on the degradability of this product.

Bioaccumulation Potential

No information available.

Aquatic toxicity: No data is available.

Mobility in Soil

No information available.

Other Adverse Effects

No data is available.

Section 13. DISPOSAL CONSIDERATIONS

Waste Treatment Methods

Disposal methods: Disposal should be in accordance with applicable regional, national, and local laws and regulations. Local regulations may be more stringent than regional or national requirements.

Hazardous Waste Code: Not regulated.

Waste from Residues: Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

Contaminated Packaging: Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied. Local regulations may be more stringent than state or federal requirements.

Section 14. TRANSPORTATION INFORMATION

Land: **DOT (US):** Not regulated as dangerous goods.
ADR/RID (EU): Not regulated as dangerous goods.
TDG (Canada): Not regulated as dangerous goods.

Water: **IMO/IMDG:** Not regulated as dangerous goods.
Air: **IACO/IATA:** Not regulated as dangerous goods.

Transportation in bulk according to Annex II of MARPOL 73/78 and the IBC Code: Not applicable

Special Precautions for User

No information available

Section 15. REGULATORY INFORMATION

Federal Regulations

Canada

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

WHMIS: Not a controlled product.

Hazard Symbols: None.

United States

This SDS has been prepared to meet the U.S. OSHA Hazard Communication Standard, 29 CFR 1910.1200.

SARA Title III

No components are listed.

State Regulations

California

California Prop 65: This product does not contain any chemicals known to the state of California to cause cancer, birthdefects, or other reproductive harm.

Massachusetts

US Massachusetts Commonwealth's Right-To-Know Law (Appendix A to 105 Code of Massachusetts Regulations Section 670.000)

No components are listed.

New Jersey

US New Jersey Worker and Community Right-to-Know Act (New Jersey Statute Annotated Section 34:5A-5)No Components Listed.

Pennsylvania

US Pennsylvania Worker and Community Right-to-Know Law (34 Pa. Code Chap. 301-323)No components are listed.

Section 16. OTHER INFORMATION

Additional Information

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to these products or handling of these products. Customers/users must comply with all applicable health and safety laws, regulations, and orders

SDS REVISION SUMMARY:

This document complies with the U.S. OSHA HazCom 2012 Standard replacing the current Legislation under 29 CFR 1910.1200 to align with the Globally Harmonized System of Classification and Labeling of Chemicals (GHS)