

SAFETY DATA SHEET

UTEVA® Resin Column SDS - Column

Revision Date: 28-May-15

Section 1: Chemical Product and Company Identification

Product Name UTEVA® Resin Column
Product Number(s): UT10-C01-A, UT10-C20-A, UT1ML-R01-S, UT1ML-R50-S, UT20-C01-A, UT20-C20-A, UT2CM-C01-A, UT2CM-C50-A, UT5-C01-A, UT5-C20-A, UT-C01-A, UT-C20-A, UT-C50-A, UT-S50-S-1-3
Product Synonym(s): UTEVA® Resin Column
Identified Uses: Laboratory chemicals, manufacture of substances
Manufacturer: Eichrom Technologies LLC
1955 University Lane
Lisle, Illinois 60532
General Information: (8-5 CST M-F)
800-422-6693 (in USA)
630-963-0320

24 Hour Emergency Number:

CHEMTREC: 800-424-9300

Section 2: Hazard(s) Identification



GHS Signal Word: **Warning**
GHS Classification of substance or mixture: Acute toxicity, Oral (Category 4)
Acute toxicity, Inhalation (Category 4)
Skin Irritant
Eye Irritant
Respiratory Tract Irritation
Hazard Statement(s): H302 Harmful if swallowed
H332 Harmful if inhaled
H315 Causes skin irritation
H319 Causes serious eye irritation
H335 May cause respiratory irritation

Prevention:

P261 Avoid breathing dust and vapors.
P264 Wash hands thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P271 Use only outdoors or in a well-ventilated area.
P280 Wear protective gloves, clothing, and eye protection.

Response:

P301/P312 IF SWALLOWED: Call a POISON CONTROL CENTER or doctor if you feel unwell.
P302/P352 IF ON SKIN: Wash with plenty of soap and water.
P304/P340 IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.
P305/P351/P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312 Call a POISON CONTROL CENTER or doctor if you feel unwell.
P330 Rinse mouth.
P332/P313 If skin irritation occurs, seek medical attention.
P337/P313 If eye irritation persists, get medical attention.
P362 Take off contaminated clothing and wash before reuse.

Storage:

P403/P233 Store in a well-ventilated place. Keep container tightly closed.
P405 Store locked up.

Disposal:

P501 Dispose of contents/container in accordance with federal, state, and local regulations.

Section 3: Composition / Information on Ingredients

Component	CAS_Number	Percentage Range
De-ionized water	007732-18-5	60-70%
Nonionic Acrylic Ester Polymer		18-24%
Diamyl amyolphosphate		12-16%
Nitric Acid, Concentrated	7697-37-2	approximately 0.1%

Section 4: First-aid Measures

General Advice	Symptoms of poisoning may occur after several hours; therefore medical observation is recommended for at least 48 hours after exposure.
Ingestion	Contact local poison control center
Skin Contact	Wash immediately with soap and copious amounts of water. Remove and wash contaminated clothing promptly. If irritation develops, seek medical attention.
Eye Contact	Irrigate immediately with water for 15 minutes. Mechanical irritation is possible; seek medical attention.
Inhalation	Remove to fresh air. If breathing is labored, administer oxygen. If not breathing, give artificial respiration. Seek medical attention.
Most important symptoms and effects, both acute and delayed	The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11. Further important symptoms and effects are so far not known.
Indication of any immediate medical attention and special treatment needed	Treat according to symptoms (decontamination, vital functions), no known specific antidote.

Section 5: Firefighting Measures

Extinguishing Media	Foam, CO2, Dry Chemical
Special Hazards	Possible combustion products include carbon dioxide and carbon monoxide
Fire and Explosion Hazards	Polymer does not support flame. Highly toxic and irritating fumes may be released and extinguishing water runoff may be toxic.
Protective Equipment	Wear positive pressure self-contained breathing apparatus and full personal protective equipment.

Section 6: Accidental Release Measures

	Use proper personal protect equipment (specified in section 8)
	Use proper personal protect equipment (specified in section 8)
Personal precautions	Surface may be slippery. Surface may be slippery.
Methods and materials for containment and clean-up	Ventilate area and wash spill site after material pickup is complete.
Containment Cleanup	Sweep up material and transfer to a suitable container for disposal. Sweep up material and transfer to a suitable container for disposal.
Reference to other sections	For disposal see section 13.

Section 7: Handling and Storage

Specific End Use(s)	Apart from the uses mentioned in section 1 no other specific uses are stipulated.
Conditions for safe handling	Use mechanical exhaust if dust is formed.
Conditions for safe storage	Normal warehouse storage in cool, dry area is satisfactory. Keep away from strong oxidizers.

Section 8: Exposure Controls / Personal Protection

Engineering Controls	Mechanical exhaust is required.
Control Parameters	Contains no substances with occupational exposure limit values.
Exposure Controls	Do not eat, drink or smoke when using this product Avoid contact with skin, eyes, and clothing. Wash hands before breaks and immediately after handling the product.
Eye protection	Wear safety glasses.
Skin Protection	Wear impervious gloves and clean body-covering clothing.
Respiratory protection	Do not breathe dust. Use NIOSH/MSHA approved respirator when handling material outside of mechanical exhaust. An air-purifying respirator with an organic vapor cartridge or canister may be permissible.

Section 9: Physical Properties

Information on basic physical and chemical properties

Appearance:	Powder Hard, off-white spherical beads	Explosion Limits (Upper/Lower):	Not Established
Odor:	Low to none	Flash Point:	Not applicable
Odor Threshold:	Not Established	Flammability:	Not Established
pH:	Not relevant	AutoIgnition Temperature:	Product is not self-igniting.
Melting Point:	Not Established	Decomposition Temperature	Not Established
Boiling Point:	Not Established		
Relative Density:	0.37 g/mL at 25°C	VaporPressure:	Not Established
Solubility:	Insoluble in water	VaporDensity:	Not Established
Partition Coefficient:	Not Established	Evaporation Rate:	Not Established
Viscosity:	Not Applicable		

Section 10: Stability and Reactivity

Reactivity	No hazardous reactions if stored and handled as indicated.
Chemical Stability	Stable under normal handling and storage conditions.
Hazardous reactions	Reacts with strong oxidizing agents.
Conditions to Avoid	No relevant information available.
Materials to Avoid	Contact with strong oxidizers will degrade material.
Hazardous decomposition Products	Possible combustion products include carbon monoxide, carbon dioxide, and phosphorous oxides.

Section 11: Toxicology Information

The product has not been tested. The statements on toxicology have been derived from the properties of the individual components.

Acute Toxicity	
Oral Effects	Polymer, Oral LD50 > 5,000 mg/kg (rat) Extractant, Oral LD50 > 500 mg/kg (rat)
Inhalation Effects	Nitric Acid LC50 = 138 ppm/30 min (rat).
Dermal Effects	Polymer, Dermal LD50 > 5,000 mg/kg (rabbit) Extractant, Dermal LD50 > 1,000 mg/kg (rabbit)
Skin corrosion/irritation	Nitric Acid solution is Non-corrosive to skin via Corrositex® (skin) test. Irritant to skin and mucous membranes. Extractant is irritant (rabbit).
Serious eye damage/irritation	
Respiratory or skin sensitization	May cause irritation or corneal injury. Extractant is irritant (rabbit).
Germ Cell Mutagenicity	No data available regarding respiratory or skin sensitization effects of this product.
Carcinogenicity	No data available regarding mutagenic effects of this product.
Reproductive Toxicity	No specific data available. Minimize direct exposure to material.
Specific Target Organ Toxicity	No data available regarding reproductive effects of this product.
Single Exposure	No data available regarding specific target organ toxicity single exposure.
Repeated Exposure	No data available regarding specific target organ toxicity repeated exposure.
Aspiration Hazard	No data available regarding aspiration hazards associated with this product.

Section 12: Ecological Information

Aquatic Toxicity	*The product has not been tested. The statement has been derived from the properties of individual components using an additivity method.
Persistence and degradability	No data are available for persistence and degradability.
Bioaccumulative potential	No data are available for bioaccumulative potential.
Mobility in Soil	No data are available for mobility in soil.
PBT/vPvB assessment	PBT/vPvB assessment not available as chemical safety assessment not required/not conducted.
Other	An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Very toxic to aquatic life with long lasting effects.

Section 13: Disposal Considerations

General	Dispose of contents/container in accordance with federal, state, and local regulations.
Unused:	Bury resin in licensed landfill or burn in approved incinerator equipped with an afterburner and scrubber according to local, state, and federal regulations. Dispose of liquid according to local regulations for acids. Bury resin in licensed landfill or burn in approved incinerator equipped with an afterburner and scrubber according to local, state, and federal regulations.
Used:	For resin contaminated with hazardous materials, dispose of mixture as hazardous material according to local, state, and federal regulations.

Section 14: Transport Information

Air Transport:	Not Hazardous per IATA 2014
Ground Transport:	Not D.O.T. Hazardous
Water Transport:	Not Hazardous per IMDG 2012.

Section 15: Regulatory Information

US Federal Regulations	Toxic Substances Control Act (TSCA): This material is provided to you under the research and development (R&D) exemption.
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Section 16: Other Information

SDS Prepared By:	Eichrom Technologies LLC
Revision	Updated to GHS SDS format, including classification

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