



8210 N. Austin Avenue, Morton Grove, IL 60053-3205, U.S.A.  
 847-967-6000  
 (Monday - Friday: 7:30 a.m. - 4:00 p.m. CST)

**Emergency Contact:**  
 INFOTRAC 800-535-5053 [U.S.A.]

Name: **CELERIS™ 4EP (Ethyl Pyridine) 5µm**  
 Code: **1-790500-500, 1-790500-200**

.....**SAFETY DATA SHEET**.....

**SECTION 1 IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY**.....

- 1.1 Product Identifier
  - Name CELERIS™ 4EP (Ethyl Pyridine) 5µm
  - Code 1-790500-500, 1-790500-200
- 1.2 Use of Substance/Mixture
  - Use Analytical and Preparative Chromatography
- 1.3 Details of Manufacturer/Supplier
  - Company Regis Technologies, Inc.  
 8210 N. Austin Avenue  
 Morton Grove, IL 60053  
 847-967-6000; 800-323-8144 (toll free)  
 Email: cservice@registech.com  
 www.registech.com
- 1.4 Emergency Telephone
  - INFOTRAC 800-535-5053 [U.S.A.]

**SECTION 2 HAZARDS IDENTIFICATION**.....

2.1 Classification of the Substance or Mixture

GHS Classification

Physicochemical hazards

Flammable solids	out of classification
Pyrophoric solids	out of classification
Self-heating substances and mixtures	out of classification

Health hazards

Substances and mixtures which, in contact with water, emit flammable gases	out of classification
Oxidizing solids	out of classification

Environmental hazards

The items without description are out of classification or cannot be classified.

**SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS**.....

Name **CELERIS™ 4EP (Ethyl Pyridine) 5µm**

Chemical Substance or Mixture Chemical substance  
 Chemical name or generic name Surface treated silica gel with 2-(2-pyridylethyl)triethoxysilane

Alias	NA
Chemical formula:	SiO-[Si(CH <sub>2</sub> ) <sub>2</sub> C <sub>5</sub> H <sub>4</sub> N]
CAS registered No.	NA
Official gazette No. Chemical:	Out of scope(combination of existing chemicals)
A purity or a range:	100%

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**SECTION 4..... FIRST AID MEASURES.....**

4.1 Description of first aid measures

- General: No data available on the specific product.
- Eye contact: Do not rub eyes. Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.
- Skin contact: Wash exposed area with water. Wash contaminated clothing before reuse. If skin irritation or rash occurs, get medical advice/attention.
- Inhalation: Remove to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell.
- Ingestion: Vomit up and rinse mouth with clean water well. Get medical advice/attention if you feel unwell.



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**SECTION 5..... FIRE-FIGHTING MEASURES.....**

- 5.1 Suitable Extinguishing Media  
This material is not combustible. Use extinguish agents appropriate for surrounding fire.
- 5.2 Advice for fire-fighters  
Wear respiratory protection or chemical protective clothing for surrounding fires.

**SECTION 6..... ACCIDENTAL RELEASE MEASURES .....**

- 6.1 Personal precautions, protective equipment, and emergency procedures  
Large spill: Immediately isolate hazard area and deny entry to unnecessary personnel. Wear an appropriate protection and to avoid contact or inhalation to eyes and skin. (ref. "8. Exposure Control/ Personal Protection")
- 6.2 Environmental precautions  
Do not discharge it to environment.
- 6.3 Methods of clean up  
Collect spillage and into an empty container and dispose them later as an industrial waste.
- 6.4 Preventive measures against second disaster  
Residue on the floor may cause slip, clean up diligently.

**SECTION 7..... HANDLING AND STORAGE .....**

- 7.1 Handling
 

Technical measures	Do the equipment measures in the "8.Exposure Control/Personal Protection," and wear the protection.
Local / general ventilation	Do the local and general ventilation in the "8.Exposure Control/Personal Protection."
Safe handling instructions	Take precautionary measures against static discharge. Do not contact ,inhale or swallow. Perform ventilation for exhaust to keep the atmospheric concentration lower than exposure limit. Wash thoroughly after handling.
Contact evasion	Refer to the "10. Stability and reactivity."
- 7.2 Storage
 

Technical Measures	Install lighting and ventilation to store and handle.
Composite hazard substances	Refer to the "10.Stability and reactivity."
Storage condition	Store tightly closed in a cool, dry, and well ventilated place. Store at temperatures not exceeding -20 °C/-4 °F. Protect from light. Store away from incompatible materials (See Section 10.).
Container and packaging materials	Store it in tightly closed container which is not breakable.

**SECTION 8..... EXPOSURE CONTROLS / PERSONAL PROTECTION .....**

- 8.1 Control parameters
 

Permissible concentration	No setting (an exposure limit value/ a biological exposure index)
Japan Society of Occupational Health(2015)	The 3rd dust(Lime or other inorganic or organic)

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Total dust 8 mg/m3  
 Inhalation-related dust 2 mg/m3

ACGIH(2013) TLV-TWA Particles(insoluble or poorly soluble )  
 Respirable particles: 3mg/m3  
 Inhalable particles: 10mg/m3  
 (Silica, amorphous withdrawn in 2006.)

8.2 Equipment Measure  
 Install washing eyes device in a workplace to store this material or handle it.  
 Install a ventilating device to keep an air pollutant less than permissible concentration when dust occurs in process.

8.3 Personal protection  
 Protection for respiratory Wear appropriate respiratory protection.  
 Protection for hands Wear appropriate protective gloves.  
 Protection for eyes Use personal eye protection .  
 Protection for skin and body Use the appropriate protection suit and mask..  
 Hygiene measure Wash hands thoroughly after handling.  
 Protection for respiratory Wear appropriate respiratory protection.  
 Protection for hands Wear appropriate protective gloves.

**SECTION 9 ..... PHYSICAL AND CHEMICAL PROPERTIES.....**

9.1 Information on physical and chemical data

Physical State/Shape/Color	Solid, Fine particle, White
Odor	Odorless
pH	No data
Melting Point	No data
Boiling Point	No data
Flash point	No data
Pyrophoric temperature	No data
Explosion range	No data
Vapor Pressure	No data
Vapor Density (Air =1)	No data
Specific Gravity	No data
Solubility	No data
Octanol /waterpartition coefficient	No data
Decomposition temperature	No data

**SECTION 10 ..... STABILITY AND REACTIVITY.....**

10.1 Stability  
 On reacting with hydrogen fluoride, forms silicon fluoride (gas). Dissolved in strong bases.

10.2 Possibility of hazardous reactions  
 On reacting with hydrogen fluoride, forms silicon fluoride (gas). Dissolved in strong bases.

10.3 Conditions to avoid  
 Contact with composite hazard substance

10.4 Composit hazard substance  
 Hydrogen fluoride, strong base

10.5 Hazard resolution substance  
 No information

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**SECTION 11..... TOXICOLOGICAL INFORMATION.....**

11.1 Toxicological Information	
Acute toxicity	No data available.
Skin corrosion/irritation	No data available.
Serious eye damage/irritation	No data available.
Respiratory irritation	No data available.
Respiratory or skin sensitization	No data available.
Germ cell mutagenicity	No data available.
Carcinogenicity	Not classified in the list of 1st or 2nd substances by Japan Society of Occupational Health
IARC	No data available.
NTP	No data available.
OSHA	No data available.
Reproductive toxicity (Including teratogenicity)	No data available.
Specific target organ toxicity (STOT)	
STOT-single exposure	No data available.
STOT-repeated exposure	No data available.
STOT-aspiration hazard	No data available.

**SECTION 12..... ECOLOGICAL INFORMATION.....**

Hazardous to the aquatic environment-acute hazard	No data available.
Hazardous to the aquatic environment- chronic hazard	No data available.
Persistence/Decomposition	No data available.
Bioaccumulation	No data available.
Migration in the soil	No data available.
Hazardous to the Ozone Layer	Does not contain any substances listed by Montreal Protocol

**SECTION 13..... DISPOSAL CONSIDERATIONS.....**

13.1 Leftover waste	The disposal of the leftover waste has to be carried out in accordance with the legal requirements.
13.2 A pollution container and packing	Clean a container and recycle it, or the appropriate disposal must be made according to official regulations. When an empty container is disposed, remove contents completely.

**SECTION 14..... TRANSPORT INFORMATION.....**

UN number:	Not applicable
UN name for transportation:	Not applicable
UN Classification:	Not applicable
Marine regulatory information:	Non-hazardous chemical
Air regulatory information:	Non-hazardous chemical
Land regulatory information:	Non-hazardous chemical
Special safety measures	On the occasion of the transportation, load it to avoid direct rays of the sun, the damage of a container, corrosion and leaking, and be sure prevention of collapse of cargo. Do not pile the heavy goods up on the top.

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**SECTION 15.....REGULATORY INFORMATION.....**

Labour Law for Safety & Health of Japan	Not applicable
Pollutant Release and Transfer Register Law	Not applicable
Poisonous and Deleterious Substances Control Law	Not applicable

**SECTION 16.....OTHER INFORMATION.....**

- 16.1 Export Control Act of Japan                      Appendix 1 Item 16 Part 6 Group 38 Various Industrial Products Applicable for "Catch-All" restriction
- 16.2 References
  - Chemical Handbook Basic
  - IUCLID Dataset ( 2000 )
  - FAO/WHO Toxicological Evaluation of Certain Food Additives With a Review of General Principles and Specifications
  - OECD SIDS Profile for Initial Evaluations
  - JJFC Vol.10(3) 2003
  - IARC "Agents Classified by the IARC Monographs" (October 2013 )
  - Recommendation by Japan Society of Occupational Health(2015)
  - JIS Z 7252 :2014 JIS Z 7253 :2012
  - 2013 TLVs and BELs(ACGIH)
  - NITE CHRIP Data Base
  - GHS Classification Guidance of Enterprises by Ministry of Economy, Trade and Industry of Japan (Rev.ver.1.1,2013)
- 16.3 A disaster example                                      No information available

The above information is believed to be correct to the best of our present state knowledge, but does not purport to be all-inclusive and shall be used only as a guide. It characterizes the product with regard to the appropriate safety precautions. It does not represent a guarantee of any properties of the product.

***This is the last page of this SDS.***