

TELEPHONE  
+81-568-51-2511

# FUJI SILYSIA CHEMICAL LTD.

2-1846 KOZOJI-CHO, KASUGAI, AICHI, 487-0013 JAPAN

FAX NO.  
+81-568-51-8557

## SAFETY DATA SHEET

No.CRX-030-000-E

Revised 2nd edition : January 18,2016

First edition: October 30,2015

### 1.The Chemical Substance and Company Information

Names of chemical substance

Product name	CHROMATOREX
Grade	ARG Series
Company's name	Fuji Silysia Chemical Ltd.
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Urgent Telephone No.	+81-568-51-2511(08:30~17:45 Business day)
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Recommended use and restriction of use

Recommended use

Chromatography

Restriction of use

### 2.Hazards indentification

GHS classification

Physicochemical hazerds

Flammable solids	not classified
Pyrophoric solids	not classified
Self-heating substances and mixtures	not classified
Substances and mitures which, in contact with water, emitflammable gaseses	not classified
Oxidizing solids	not classified

Health hazards           The items without description mean either out of scope  
Environmental hazards or cannot be classified.

### 3. Composition / Information on Ingredients

Chemical Substance	Chemical substance
or Mixture	

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Chemical name or generic name	The reaction product of the surface -treated silica gels by 3-(2,3-epoxypropoxy)propyl silane and 2-amino-5-guanidinopentanoic acid
Chemical formula	$\text{SiO} \cdot [\text{Si}(\text{OH})_2 \cdot (\text{CH}_2)_3 \text{OCH}_2 \text{CH}(\text{OH})\text{CH}_2 \text{N}=\text{C}(\text{NH}_2)_3 \text{CH}(\text{NH}_2)\text{COOH}]$
CAS registered No.	-
Official gazette No.	Chemical Out of scope(combination of existing chemicals)
	Labor Low Volume New Chemical Substances
A purity or a range	100%

#### 4. First Aid Measure

IF INHALED	Remove to fresh air and keep at rest in a position comfortable for breathing.
IF ON SKIN	Get medical advice/attention if you feel unwell. Wash with plenty of soap and water. Wash contaminated clothing before reuse
IF IN EYES	If skin irritation or rash occurs, get medical advice/attention Do not rub eyes. Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
IF SWALLOWED	If eye irritation persists, get medical advice / attention. Vomit up and rinse mouth with clean water well. Get medical advice/attention if you feel unwell.

#### 5. Fire Fighting Measure

Extinguish media	This material is not combustible. Use extinguish agents appropriate for surrounding fire.
Protection of a person to extinguish a fire	Wear respiratory protection or chemical protective clothing for surrounding fire.

#### 6. Accidental Release Measure

Instructions for the human body, Protective equipment and emergency step	Large spill: Immediately isolate hazard area and deny entry to unnecessary personnel.
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Wear an appropriate protection and to avoid contact or inhalation to eyes and skin.

( ref. “ 8. Exposure Control/ Personal Protection “ )

Instructions for the environment Do not discharge it to environment.

Collection, neutralization Collect spillage and into an empty container and dispose them later as an industrial waste.

Preventive measures against second disaster  
Residue on the floor may cause slip, clean up diligently.

### 7. Handling and Storage

#### 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 Do not eat, drink and smoke when using this product.  
Refer to the “ 10. Stability and reactivity “.

#### Storage

Technical Measures Instal lighting and ventilation to store and handle.

Composite hazard substance Refer to the “10. Stability and reactivity “.

Storage condition Store in a cool / well-ventilated place to protect from sunlight and rainwater.

Container and packaging materials Store it in tightly closed container which is not breakable.

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### 8. Exposure Control/ Personal Protection

Permissible concentration

( an exposure limit value/ a biological exposure index )

Japan Society of Occupational Health (2015) The 3rd dust(Lime or other inorganic or organic)

10<sup>1</sup> 8 mg/m<sup>3</sup>

~1 Inhalation-related dust 2 mg/m<sup>3</sup>

ACGIH(2013) Particles(insoluble or poorly soluble )

TLV-TWA Resapable particles :8mg/m<sup>3</sup>

Inhalable particles : 10mg/m<sup>3</sup>

(Silica ,amorphous withdrawn in 2006.)

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.

Protective equipment

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..

Hygienemeas

Wash hands thoroughly after handling.

### 9. Physical and Chemical Properties

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	1.9 (Measured value)
Solubility	No data
Octanol /water partition coefficient	No data
Decomposition temperature	No data

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### 10. Stability and Reactivity

Stability	Stable under ordinary conditions of use (ambient temperature)
Hazard reaction possibility	On reacting with hydrogen fluoride, forms silicon fluoride(gas). Dissolved in strong bases.
Condition to avoid	Contact with composite hazard substance
Composite hazard substance	Hydrogen fluoride
Hazard resolution substance	Non

### 11. Toxicological Information

Acute Toxicity	No data
Skin corrosion / irritation	No data
Eye damage / irritation	No data
Sensitization	
respiratory/skin	No data
Germ cell mutagenicity	No data
Carcinogenicity	Not classified in the list of 1st or 2nd substances by Japan Society of Occupational Health
Toxic to reproduction toxicity	No data
Specific target organ systemic toxicity ( single exposure )	No data
Specific target organ systemic toxicity ( repeated exposure )	No data

### 12. Environmental influence information

Hazardous to the aquatic environment-acute hazard	No data
Hazardous to the aquatic environment- chronic hazard <sup>2</sup>	No data
Hazardous to the Ozon Layer	Not contains any substances listed by Montreal Protocol
Persistence/Decomposition	No data
Bioaccumulation	No data
Migration in the soil	No data

### 13. Disposal Considerations

Leftover waste	The disposal of the leftover waste has to be carried out in accordance with the legal requirements.
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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.

### 14. Transportation Information

International regulation

Marine regulation information      Not applicable

Air regulation information            Not applicable

Special safety measures

### 15. Regulatory Information

### 16. Other Information

Export Control Act of Japan            Appendix 1 Item 16 Part 6 Group 38 Various Industrial Products  
Applicable for "Catch-All" restriction

### 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)

A disaster example

No information available

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Fuji Silysia Chemical Ltd. provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy.

This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. Individuals receiving the information must exercise their independent judgment in determining its appropriateness for a particular purpose.

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