

Material safety data sheet In accordance with Regulation (EC) no. 1907/2006	ELECTRONIC MULTIPURPOSE SILICA GEL AST-801 #	Radium
Edition: 08.01.2020 Printing date: 14.01.2020	Version: 1	page 1 / 7

1. Identification of the substance/preparation and company

1.1 Product details

Trade name : ELECTRONIC MULTIPURPOSE SILICA GEL AST-801 #
Radium Key No : FXZA2630, FXZA2631

1.2. Relevant identified uses of the substance or mixture and uses advised against : Adhesion Fixation

1.3 Details of the supplier of the safety data sheet

Company : **Radium Lampenwerk GmbH**
Address : Dr.-Eugen-Kersting-Straße 6
Post code/location : 51688 Wipperfürth

Telephone : +49 (0) 2267-81-1 (08:00 – 15:00 CET)
Email : radium@radium.de

1.4 Emergency telephone number : Call the national emergency number
Emergency information

2. Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No. 1272/2008)



GHS 05 corrosion

Skin Corr. 1C H314 Causes severe skin burns and eye damage.
Eye Dam. 1 H318 Cause serious eye damage.



GHS 09 environment

Aquatic Chronic 2 H411 Toxic to aquatic life with long lasting effects.

2.2 Label elements

Labelling (REGULATION (EC) No. 1272/2008)

Hazard pictograms




Signal word

Danger

Hazard statements:

H314 Causes severe skin burns and eye damage.
H411 Toxic to aquatic life with long lasting effects.

Material safety data sheet In accordance with Regulation (EC) no. 1907/2006	ELECTRONIC MULTIPURPOSE SILICA GEL AST-801 #	
Edition: 08.01.2020	Version: 1	page 2 / 7
Printing date: 14.01.2020		

Precautionary statements:

P303 +P361 +P353

If on skin (or hair): Take off immediately all contaminated clothing.

Rinse skin with water.

P305 +P351 +P338

If in eyes: Rinse continuously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing.

P310

Immediately call a POISON CENTER/doctor.

P405

Store locked up.

P501

Dispose of contents/container in accordance with local/regional/national/international regulations.

Hazard-determining components of labelling

Methylsilanetriyl triacetate

Dimethiconol

3. Composition/information on ingredients

Chemical characterisation

Substance/preparation : Mixture of the substances listed below with non-hazardous additions

Composition		
CAS: 31692-79-2	Dimethiconol <i>Aquatic Chronic 2, H411</i>	88.0 %
CAS: 4523-34-3 EINECS: 224-221-9	Methylsilanetriyl triacetate <i>Skin Corr. 1C, H314; Acute Tox. 4, H302</i>	5.0 – 8.0%
CAS: 112945-52-5	Silica, amorphous, fumed, cryst.- free <i>Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335</i>	5.0%
CAS: 77-58-7 EINECS: 201-039-8 Index number: 050-030-00-3	Dibutyltin dilaurate <i>Muta 2, H341; Repr. 1B, H360FD; STOT RE 1, H372</i>	0.01 – 0.05%

4. First aid measures

4.1 Description of first aid measures

General information	: Immediately remove any clothing soiled by the product.
After inhalation	: Supply fresh air; consult doctor in case of complaints.
After skin contact	: Immediately rinse with water.
After eye contact	: Rinse opened eye with several minutes under running water. Then consult a doctor.
After ingestion	: If symptoms persist consult a doctor.

4.2 Most important symptoms and effects, both acute and delayed

No further relevant information available.

4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

Material safety data sheet In accordance with Regulation (EC) no. 1907/2006	ELECTRONIC MULTIPURPOSE SILICA GEL AST-801 #	Radium
Edition: 08.01.2020	Version: 1	page 3 / 7
Printing date: 14.01.2020		

5. Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media : Use fire extinguishing methods suitable to surrounding conditions.

5.2 Special hazards arising from the substance or mixture

During heating or in case of fire poisonous gases are produced.

5.3 Advice for firefighters

Protective equipment : Mouth respiratory protective device.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Mount respiratory protective device. Wear protective equipment. Keep unprotected persons away.

6.2 Environmental precautions

Do not allow product to reach sewage system or any water source. Inform respective authorities in case of seepage into water or sewage system.

6.3 Methods and materials for containment and cleaning up

Absorb with liquid-binding material (sand, diatomite, acid binder, universal binders, sawdust). Use neutralizing agent. Dispose contaminated material as waste according to section 13. Ensure adequate ventilation.

6.4 Reference to other sections

See section 7 for information on safe handling
See section 8 for information on personal protection equipment
See section 13 for disposal information

7. Handling and storage

7.1 Precautions for safe handling

Ensure good ventilation/exhaustion at the workplace. Prevent formation of aerosols. For the general occupational hygienic measures refer to section 8. Keep respiratory protective device available.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels : No special requirements

Advice on storage compatibility
(with other materials) : Not required

Further information on storage conditions : Keep container tightly closed

Storage class (Ger.) : 8 B

Material safety data sheet In accordance with Regulation (EC) no. 1907/2006	ELECTRONIC MULTIPURPOSE SILICA GEL AST-801 #	Radium
Edition: 08.01.2020	Version: 1	page 4 /7
Printing date: 14.01.2020		

7.3 Specific end uses

No further relevant information available.

8. Exposure controls and personal protection

8.1 Control parameters

Ingredients with limit values that require monitoring at the workplace:

77-58-7 dibutyltin dilaurate

AGW (Germany – TRGS 900) : Long term value: 0.009 mg/m³; 0.0018ppm

8.2 Exposure controls

Personal protective equipment



Respiratory protection

: In case of brief exposure or low pollution use respiratory filter device. In case of intensive longer exposure use self-contained respiratory protective device.

Hand protection

: Protective gloves. The glove material has to be impermeable and resistant to the product. Due to missing tests no recommendation to the glove material can be given. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation. The selection of the suitable gloves does not only depend on the material, but also on the further marks of quality and varies from manufacturer to manufacturer.

Eye protection

: Tightly sealed goggles

Body protection

: -

Environmental exposure controls

Control measures must be done in accordance with environmental protection legislation.

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Form	: Paste
colour	: Colourless translucency
odour	: A slightly irritating odour
pH	: Not available
Boiling point	: Not available
Melting point	: Not available
Flash point	: 200°C
Ignition temperature	:
Self-ignition temperature	: Product is not self igniting
Burning promoting characteristics	:
Explosion limit	lower : Not available
	upper : Not available

Material safety data sheet In accordance with Regulation (EC) no. 1907/2006	ELECTRONIC MULTIPURPOSE SILICA GEL AST-801 #	Radium
Edition: 08.01.2020	Version: 1	page 5 /7
Printing date: 14.01.2020		

Vapour pressure	: Not available
Density	: Not available
Bulk density	: Not available
Solubility in water	: Not available

9.2 Other information

No further relevant information available.

10. Stability and reactivity

10.1 Reactivity	: Data not available
10.2 Chemical stability	: Data not available
10.3 Possibility of hazardous reactions	: No dangerous reactions known
10.4 Conditions to avoid	: No further relevant information available
10.5 Incompatible materials	: No further relevant information available
10.6 Hazardous decomposition products	: No dangerous decomposition products known


11. Toxicological information

11.1 Information on toxicological effects

Acute toxicity	: Based on available data, the classification criteria are not met.
Skin corrosion/irritation	: Causes severe skin burns and eye damage.
Serious eye damage/irritation	: Causes serious eye damage.
Respiratory or skin sensitization	: Based on available data, the classification criteria are not met.
Germ cell mutagenicity	: Based on available data, the classification criteria are not met.
Carcinogenicity	: Based on available data, the classification criteria are not met.
Reproductive toxicity	: Based on available data, the classification criteria are not met.
STOT-single exposure	: Based on available data, the classification criteria are not met.
STOT-repeated exposure	: Based on available data, the classification criteria are not met.
Aspiration hazard	: Based on available data, the classification criteria are not met.

12. Ecological information

12.1 Aquatic toxicity	: No further information available.
12.2 Persistence and degradability	: No further information available.
12.3 Bioaccumulative potential	: No further information available.
12.4 Mobility in soil	: No further information available.
12.5 Results of PBT and vPvB	: Not applicable
12.6 Other adverse effects	: No further information available.

Material safety data sheet In accordance with Regulation (EC) no. 1907/2006	ELECTRONIC MULTIPURPOSE SILICA GEL AST-801 #	
Edition: 08.01.2020	Version: 1	page 6 / 7
Printing date: 14.01.2020		

12.7 Additional ecological information

: Do not allow product to reach ground water or sewage system. Toxic for water aquatic organism.

13. Disposal considerations

13.1 Waste treatment methods

Recommendation: Must not be disposed together with household garbage. Do not allow product to reach sewage system.

Uncleaned package: Disposal must be done according to official regulations.

14. Transport information

Transport by road and railroad

ADR/RID - class : 8
UN No. : 1759
Packing group : III
Proper Shipping name : Corrosive solid, n.o.s. (Methylsilanetriyl triacetate)
Environmentally Hazardous :

Sea transport

IMDG-Code-class : 8
UN No. : 1759
Packaging group : III
EmS-No. : F-A, S-B
Marine pollutant : Yes
Proper Shipping name : Corrosive solid, n.o.s. (Methylsilanetriyl triacetate)

Air transport

ICAO/IATA-class : 8
UN/ID No. : 1759
Packaging group : III
Proper Shipping name : Corrosive solid, n.o.s. (Methylsilanetriyl triacetate)


15. Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Other regulations, limitations and prohibitive regulations

Water pollution glass (Ger.) : 2
Directive 2012/28/EU : None of the ingredients is listed.
SVHC Candidate List of REACH Regulation : None of the ingredients is listed.
Annex XIV Authorisation (16/7/2019)
REACH Regulation Annex XVII restriction : None of the ingredients is listed.
(20/6/2019)
REACH Regulation Annex XIV Authorisation : None of the ingredients is listed.
List (13/6/2017)

16. Other information

Material safety data sheet In accordance with Regulation (EC) no. 1907/2006	ELECTRONIC MULTIPURPOSE SILICA GEL AST-801 #	
Edition: 08.01.2020	Version: 1	page 7 /7
Printing date: 14.01.2020		

Relevant H-phrases

- : 302 Harmful if swallowed.
- 314 Causes severe skin burns and eye damage.
- 315 Causes skin irritation.
- 319 Causes serious eye irritation.
- 335 May cause respiratory irritation.
- 341 Suspected of causing genetic effects.
- 360FD May damage fertility. May damage the unborn child.
- 372 Causes damage to immune system through prolonged or repeated exposure.
- 411 Toxic to aquatic life with long lasting effects.

Abbreviations used : Ger. = Germany; n.a. = not applicable; n.d. = not defined

Issued by : SEHS

The information given herein is based on our present state of knowledge and only describes the product with regard to the appropriate safety precautions. It does not represent a guarantee of the product's properties