

**Safety data sheet**  
according to 1907/2006/EC, Article 31

Printing date 12.04.2013

Version number 1

Revision: 12.04.2013

**SECTION 1: Identification of the substance/mixture and of the company/undertaking**

- **1.1 Product identifier**
- **Trade name: PLASTALGIN FAST**
- **Article number / formula: 238S**
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**  
No further relevant information available.
- **Application of the substance / the preparation : dental product**
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
SEPTODONT.  
58 rue du Pont de Creteil  
94100 Saint Maur des Fosses  
France  
Téléphone: +33(0)149767000  
Fax: +33(0)148855401  
msds@septodont.com  
http://www.septodont.com
- **1.4 Emergency telephone number:**  
France (ORFILA 24h/24) - Tel : +33 (0)1 45 42 59 59  
Ireland - Tel : 00 353 1 8092568 - 00 353 1 8379964 (24h/24)  
EU Tel : 112

**SECTION 2: Hazards identification**

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008 :**



GHS08

STOT RE 2 H373 May cause damage to organs through prolonged or repeated exposure.

- **Classification according to Directive 67/548/EEC or Directive 1999/45/EC :**



Xn; Harmful

R48/20: Harmful: danger of serious damage to health by prolonged exposure through inhalation.

- **Information concerning particular hazards for human and environment:**

The product has to be labelled in the latest valid version according to the calculation procedure of the "General Classification guideline for preparations of the EU".

- **Classification system:**

The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

- **2.2 Label elements**

- **Labelling according to EU guidelines:**

The product has been marked in accordance with EU Directives / respective national laws.  
2008/58/CE (30eme ATP) ; 2009/2/CE (31eme ATP) ; 2006/8/CE

- **Code letter and hazard designation of product:**



Xn Harmful

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Version number 1

Revision: 09.10.2013

**SECTION 1: Identification of the substance/mixture and of the company/undertaking**

- **1.1 Product identifier**
- **Trade name:** Plastalgin normal
- **Article number / formula:** 294S
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**  
No further relevant information available.
- **Application of the substance / the preparation :** dental product
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
SEPTODONT.  
58 rue du Pont de Creteil  
94100 Saint Maur des Fosses  
France  
Téléphone: +33(0)149767000  
Fax: +33(0)148855401  
msds@septodont.com  
http://www.septodont.com
- **1.4 Emergency telephone number:**  
France (ORFILA 24h/24) - Tel : +33 (0)1 45 42 59 59  
Ireland - Tel : 00 353 1 8092568 - 00 353 1 8379964 (24h/24)  
EU Tel : 112

**SECTION 2: Hazards identification**

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008 :**  
 **GHS07**  
*Skin Sens. 1 H317 May cause an allergic skin reaction.*
- **Classification according to Directive 67/548/EEC or Directive 1999/45/EC :**  
 **Xi; Sensitising**  
*R43: May cause sensitisation by skin contact.*
- **Information concerning particular hazards for human and environment:**  
*The product has to be labelled in the latest valid version according to the calculation procedure of the "General Classification guideline for preparations of the EU".*
- **Classification system:**  
*The classification is according to the latest editions of the EU-lists, and extended by company and literature data.*
- **2.2 Label elements**
- **Labelling according to EU guidelines:**  
*The product has been marked in accordance with EU Directives / respective national laws.  
2008/58/CE (30eme ATP) ; 2009/2/CE (31eme ATP) ; 2006/8/CE*
- **Code letter and hazard designation of product:**



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**Trade name: Plastalgin normal**

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- **Hazard-determining components of labelling:**  
dipotassium hexafluorotitanate
- **Risk phrases:**  
43 May cause sensitisation by skin contact.
- **Safety phrases:**  
24 Avoid contact with skin.  
37 Wear suitable gloves.  
60 This material and its container must be disposed of as hazardous waste.
- **2.3 Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

### SECTION 3: Composition/information on ingredients

- **3.2 Chemical characterization: Mixtures**
- **Description:** Mixture: consisting of the following components.

- **Dangerous components:**

CAS: 9005-36-1	Alginic acid, potassium salt ☒ Xi R36 ⚠ Eye Irrit. 2, H319	10-25%
CAS: 25322-69-4	polypropylene glycol ☒ Xn R22 ⚠ Acute Tox. 4, H302	2.5-10%
CAS: 16919-27-0 EINECS: 240-969-9	dipotassium hexafluorotitanate ☒ Xn R22; ☒ Xi R41; ☒ Xi R43 ⚠ Eye Dam. 1, H318; ⚠ Acute Tox. 4, H302; Skin Sens. 1, H317	≤1%

- **Additional information:** For the wording of the listed risk phrases, refer to section 16.

### SECTION 4: First aid measures

- **4.1 Description of first aid measures**
- **After excessive inhalation:**  
Supply fresh air and to be sure call for a doctor.  
In case of unconsciousness place patient in a stable laying down side position for transportation.
- **After skin contact:** Immediately wash with water and soap and rinse thoroughly.
- **After eye contact:** Rinse opened eye for several minutes under running water.
- **After swallowing:** 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.

### SECTION 5: Firefighting measures

- **5.1 Suitable extinguishing agents:**  
CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **5.2 Special hazards arising from the substance or mixture :** No further relevant information available.

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- **5.3 Advice for firefighters**
- **Protective equipment:** No special measures required.

**SECTION 6: Accidental release measures**

- **6.1 Personal precautions, protective equipment and emergency procedures :** Not required.
- **6.2 Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **6.3 Methods and material for containment and cleaning up:** Pick up mechanically.
- **6.4 Reference to other sections :**  
See Section 7 for information on safe handling.  
See Section 8 for information on personal protective equipment.  
See Section 13 for disposal information.

**SECTION 7: Handling and storage**

- **7.1 Precautions for safe handling :** No special precautions are necessary if used correctly.
- **Information about fire - and explosion protection:** No special measures required.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** None.
- **7.3 Specific end use(s) :** No further relevant information available.

**SECTION 8: Exposure controls/personal protection**

- **Additional information about design of technical facilities:** No further data; see section 7.
- **8.1 Control parameters**

· **Ingredients with limit values that require monitoring at the workplace:**

**68855-54-9 Kieselguhr, soda ash flux-calcined (50-100%)**

MAK (Switzerland)	Long-term value: 0.3 a mg/m <sup>3</sup> SSc;
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**1309-48-4 magnesium oxide (2.5-10%)**

WEL (Great Britain)	Long-term value: 10* 4** mg/m <sup>3</sup> (as Mg) *inhalable dust **fume and respirable dust
MAK (Switzerland)	Long-term value: 3 a mg/m <sup>3</sup> *SSc;*Magnesiumoxid

**7722-88-5 tetrasodium pyrophosphate (≤2.5%)**

WEL (Great Britain)	Long-term value: 5 mg/m <sup>3</sup>
MAK (Switzerland)	Long-term value: 5 e mg/m <sup>3</sup>

- **Additional information:**  
As a basis for the production of this document, the most current valid lists were used.

- **8.2 Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**  
Immediately remove all soiled and contaminated clothing  
Wash hands before breaks and at the end of work.

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- **Respiratory protection:** Not required.
- **Protection of hands:**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

- **Gloves material :**

The selection of suitable gloves does not only depend on the material, but also on further marks of quality which may vary from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked before use.

- **Eye protection:**



Safety glasses

**SECTION 9: Physical and chemical properties**

- **9.1 Information on basic physical and chemical properties**

- **General Information**

- **Appearance:**

<b>Form:</b>	Powder
<b>Colour:</b>	According to product specification
<b>Odour:</b>	Characteristic
<b>Odour threshold:</b>	Not determined.

· <b>pH-value:</b>	Not applicable.
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- **Change in condition**

<b>Melting point/Melting range:</b>	Undetermined.
<b>Boiling point/Boiling range:</b>	Undetermined.

· <b>Flash point:</b>	Not applicable.
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· <b>Flammability (solid, gaseous):</b>	Not determined.
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· <b>Ignition temperature:</b>	Not applicable.
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· <b>Decomposition temperature:</b>	Not determined.
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· <b>Self-igniting:</b>	Product is not self igniting.
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· <b>Danger of explosion:</b>	Product does not present an explosion hazard.
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- **Explosion limits:**

<b>Lower:</b>	Not determined.
<b>Upper:</b>	Not determined.

· <b>Vapour pressure:</b>	Not applicable.
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· <b>Density:</b>	Not determined.
· <b>Relative density :</b>	Not determined.
· <b>Vapour density :</b>	Not applicable.
· <b>Evaporation rate :</b>	Not applicable.

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- **Solubility in / Miscibility with water:** Insoluble.
- **Segregation coefficient (n-octanol/water):** Not determined.
- **Viscosity:**
  - Dynamic:** Not applicable.
  - Kinematic:** Not applicable.
- **Solvent content:**
  - VOC (EC)** 0.00 %
- **9.2 Other information :** No further relevant information available.

**SECTION 10: Stability and reactivity**

- **10.1 Reactivity**
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **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.

**SECTION 11: Toxicological information**

- **11.1 Information on toxicological effects**
- **Acute toxicity:**
- **Primary irritant effect:**
- **On the skin:** No irritant effect.
- **On the eyes:** No irritant effect.
- **Sensitization:** Sensitization possible through skin contact.
- **Additional toxicological information:**  
The product shows the following hazards according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:  
Irritant

**SECTION 12: Ecological information**

- **12.1 Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **12.2 Persistence and degradability :** No further relevant information available.
- **12.3 Bioaccumulative potential :** No further relevant information available.
- **12.4 Mobility in soil :** No further relevant information available.
- **Additional ecological information:**
- **General notes:**  
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water.  
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

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**Trade name: Plastalgin normal**

· **12.6 Other adverse effects** : No further relevant information available.

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**SECTION 13: Disposal considerations**

· **13.1 Waste treatment methods**

· **Recommendation** :

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

· **Uncleaned packaging:**

· **Recommendation:** Disposal must be made according to official regulations.

**SECTION 14: Transport information**

· **14.1 UN-Number**

· **ADR, ADN, IMDG, IATA**

Not classified as hazardous for transport

· **14.2 UN proper shipping name**

· **ADR, ADN, IMDG, IATA**

Not classified as hazardous for transport

· **14.3 Transport hazard class(es)**

· **ADR, ADN, IMDG, IATA**

· **Class**

Not classified as hazardous for transport

· **14.4 Packing group**

· **ADR, IMDG, IATA**

Not classified as hazardous for transport

· **14.5 Environmental hazards:**

· **Marine pollutant:**

No

· **14.6 Special precautions for user**

Not applicable.

· **14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

Not applicable.

· **UN "Model Regulation":**

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**SECTION 15: Regulatory information**

· **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

**SECTION 16: Other information**

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Relevant phrases**

H302 Harmful if swallowed.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

R22 Harmful if swallowed.

R36 Irritating to eyes.

R41 Risk of serious damage to eyes.

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*R43 May cause sensitisation by skin contact.*

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**Abbreviations and acronyms:**

*ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)*

*IMDG: International Maritime Code for Dangerous Goods*

*IATA: International Air Transport Association*

*GHS: Globally Harmonized System of Classification and Labelling of Chemicals*

*EINECS: European Inventory of Existing Commercial Chemical Substances*

*ELINCS: European List of Notified Chemical Substances*

*CAS: Chemical Abstracts Service (division of the American Chemical Society)*

*VOC: Volatile Organic Compounds (USA, EU)*

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**Trade name: PLASTALGIN FAST**

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- **Hazard-determining components of labelling:**  
Kieselguhr, soda ash flux-calcined
- **Risk phrases:**  
48/20 Harmful: danger of serious damage to health by prolonged exposure through inhalation.
- **Safety phrases:**  
60 This material and its container must be disposed of as hazardous waste.
- **2.3 Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

### SECTION 3: Composition/information on ingredients

- **3.2 Chemical characterization: Mixtures**
- **Description:** Mixture: consisting of the following components.

· **Dangerous components:**

CAS: 68855-54-9 EINECS: 272-489-0	Kieselguhr, soda ash flux-calcined ☠ Xn R48/20 ⚠ STOT RE 2, H373	50-100%
CAS: 57-55-6 EINECS: 200-338-0	propane-1,2-diol substance with a Community workplace exposure limit ⚠ Acute Tox. 4, H302	2.5-10%
CAS: 16919-27-0 EINECS: 240-969-9	dipotassium hexafluorotitanate ☠ T R25; ☠ Xi R37 ⚠ Acute Tox. 3, H301; ⚠ STOT SE 3, H335	≤1%

- **Additional information:** For the wording of the listed risk phrases, refer to section 16.

### SECTION 4: First aid measures

- **4.1 Description of first aid measures**
- **After excessive inhalation:** Supply fresh air; consult a doctor in case of complaints.
- **After skin contact:** Generally the product does not irritate the skin.
- **After eye contact:** Rinse opened eye for several minutes under running water.
- **After swallowing:** 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.

### SECTION 5: Firefighting measures

- **5.1 Suitable extinguishing agents:**  
CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **5.2 Special hazards arising from the substance or mixture :** No further relevant information available.
- **5.3 Advice for firefighters**
- **Protective equipment:** No special measures required.

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**SECTION 6: Accidental release measures**

- **6.1 Personal precautions, protective equipment and emergency procedures** : Not required.
- **6.2 Environmental precautions**: Do not allow to enter sewers/ surface or ground water.
- **6.3 Methods and material for containment and cleaning up**:  
Dispose contaminated material as waste according to item 13.
- **6.4 Reference to other sections** :  
See Section 7 for information on safe handling.  
See Section 8 for information on personal protective equipment.  
See Section 13 for disposal information.

**SECTION 7: Handling and storage**

- **7.1 Precautions for safe handling** : No special precautions are necessary if used correctly.
- **Information about fire - and explosion protection**: No special measures required.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage**:  
· **Requirements to be met by storerooms and receptacles**: No special requirements.  
· **Information about storage in one common storage facility**: Not required.  
· **Further information about storage conditions**: None.
- **7.3 Specific end use(s)** : No further relevant information available.

**SECTION 8: Exposure controls/personal protection**

- **Additional information about design of technical facilities**: No further data; see section 7.

**8.1 Control parameters**

- **Ingredients with limit values that require monitoring at the workplace**:

**57-55-6 propane-1,2-diol (2.5-10%)**

WEL (Great Britain)	Long-term value: 474* 10** mg/m <sup>3</sup> , 150* ppm *total vapour and particulates **particulates
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**Additional information:**

As a basis for the production of this document, the most current valid lists were used.

**8.2 Exposure controls****Personal protective equipment:****General protective and hygienic measures:**

Keep away from food, beverages and petfood.

Wash hands before breaks and at the end of work.

**Respiratory protection**: Not required.**Protection of hands:**

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

**Gloves material** :

The selection of suitable gloves does not only depend on the material, but also on further marks of quality which may vary from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked before use.

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**Trade name: PLASTALGIN FAST**· **Eye protection:** Not required.

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**SECTION 9: Physical and chemical properties**· **9.1 Information on basic physical and chemical properties**· **General Information**· **Appearance:**

· <b>Form:</b>	Powder
· <b>Colour:</b>	According to product specification
· <b>Odour:</b>	Characteristic
· <b>Odour threshold:</b>	Not determined.

· **pH-value:** Not applicable.· **Change in condition**

· <b>Melting point/Melting range:</b>	Undetermined.
· <b>Boiling point/Boiling range:</b>	Undetermined.

· **Flash point:** Not applicable.· **Flammability (solid, gaseous):** Not determined.· **Ignition temperature:** Not applicable.· **Decomposition temperature:** Not determined.· **Self-igniting:** Product is not self igniting.· **Danger of explosion:** Product does not present an explosion hazard.· **Explosion limits:**

· <b>Lower:</b>	Not determined.
· <b>Upper:</b>	Not determined.

· **Vapour pressure:** Not applicable.· **Density:** Not determined.· **Relative density :** Not determined.· **Vapour density :** Not applicable.· **Evaporation rate :** Not applicable.· **Solubility in / Miscibility with water:**

Insoluble.

· **Segregation coefficient (n-octanol/water):** Not determined.· **Viscosity:**

· <b>Dynamic:</b>	Not applicable.
· <b>Kinematic:</b>	Not applicable.

· **Solvent content:**· **VOC (EC)** 0.00 %· **9.2 Other information :** No further relevant information available.

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### SECTION 10: Stability and reactivity

- **10.1 Reactivity**
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **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.

### SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity:**
- **Primary irritant effect:**
- **On the skin:** No irritant effect.
- **On the eyes:** No irritant effect.
- **Sensitization:** No sensitizing effects known.
- **Additional toxicological information:**  
The product shows the following hazards according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:

### SECTION 12: Ecological information

- **12.1 Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **12.2 Persistence and degradability :** No further relevant information available.
- **12.3 Bioaccumulative potential :** No further relevant information available.
- **12.4 Mobility in soil :** No further relevant information available.
- **Additional ecological information:**
- **General notes:**  
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water.  
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Other adverse effects :** No further relevant information available.

### SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation :**  
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

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**SECTION 14: Transport information**

· 14.1 UN-Number · ADR, IMDG, IATA	UN3288
· 14.2 UN proper shipping name · ADR · IMDG, IATA	3288 TOXIC SOLID, INORGANIC, N.O.S. (Kieselguhr, soda ash flux-calcined, dipotassium hexafluorotitanate) TOXIC SOLID, INORGANIC, N.O.S. (Kieselguhr, soda ash flux-calcined, dipotassium hexafluorotitanate)
· 14.3 Transport hazard class(es) · ADR	
	
· Class · Label	6.1 (T5) Toxic substances. 6.1
· IMDG, IATA	
	
· Class · Label	6.1 Toxic substances. 6.1
· 14.4 Packing group · ADR, IMDG, IATA	III
· 14.5 Environmental hazards: · Marine pollutant:	No
· 14.6 Special precautions for user · Danger code (Kemler): · EMS Number:	Warning: Toxic substances. 60 F-A,S-A
· 14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.
· Transport/Additional information:	
· ADR · Limited quantities (LQ) · Transport category · Tunnel restriction code	5 kg 2 E
· UN "Model Regulation":	UN3288, TOXIC SOLID, INORGANIC, N.O.S. (Kieselguhr, soda ash flux-calcined, dipotassium hexafluorotitanate), 6.1, III

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**SECTION 15: Regulatory information**

- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

**SECTION 16: Other information**

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

**· Relevant phrases**

H301 Toxic if swallowed.

H302 Harmful if swallowed.

H335 May cause respiratory irritation.

H373 May cause damage to organs through prolonged or repeated exposure.

R25 Toxic if swallowed.

R37 Irritating to respiratory system.

R48/20 Harmful: danger of serious damage to health by prolonged exposure through inhalation.

**· Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

VOC: Volatile Organic Compounds (USA, EU)