

## **1. Identification of the product and of the company/undertaking**

### **1.1 Product identifier**

Series, name: 2820\_36\_400\_plain - siamet

Grit range: 36-400

Reverse side: plain

### **1.2 Use of the product**

Recommended use: Coated abrasives on backing for grinding/ sanding of different materials.

### **1.3 Details of the supplier of the voluntary product information**

Company: sia Abrasives Industries AG

Address: Mühlewiesenstr. 20

8501 Frauenfeld - Switzerland

[www.sia-abrasives.com](http://www.sia-abrasives.com)

E-Mail: [msds.ch@sia-abrasives.com](mailto:msds.ch@sia-abrasives.com)

### **1.4 Emergency telephone number**

Telephone number: Tox Info Suisse, Kurzwahl: 145

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## **2. Hazards identification**

### **2.1 Classification**

Not applicable.

Abrasives are articles and not dangerous substances or mixtures according to Regulation (EC) N° 1272/2008. See also section 8 and 16.

### **2.2 Label elements**

Abrasives are articles and not dangerous substances or mixtures and therefore no labelling is required according to Regulation (EC) N° 1272/2008.

### **2.3 Other hazards**

Not known.

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### 3. Composition/information on ingredients

The product contains the following ingredients which are classified according to Regulation (EC) Nr. 1272/2008 or for which a community occupational exposure limit value exists:

Substance	EC-N°	CAS-N°	REACH Registration N°	Conc. (%)	Classification acc. to Regulation (EC) N° 1272/2008 (CLP)	
					Hazard classes/ hazard categories	Hazard statements
Trisodium hexafluoroaluminat e (cryolite) <sup>(1)</sup>	237-410-6	13775-53-6	01- 2119511565 -43-XXXX	2.5 - <10 %	Acute Tox. 4: H332; Aquatic Chronic 2: H411; STOT RE 1: H372; STOT RE 1: H372 - Danger	ATP ATP03

(For full text of H-phrases see section 16)

Remark: Acute toxicity estimate for the substance in Part 3 of Annex VI to Regulation (EC) No 1272/2008 or as determined in accordance with Annex I to that Regulation:

### 4. First aid measures

See also section 8 and 16.

#### 4.1 Description of first aid measures

- Inhalation:** Not possible, due to the form of the product. If dust is inhaled, move person to fresh air. If breathing is difficult, have qualified personnel administer oxygen. Seek medical attention if irritation or other symptoms persist.
- Eye contact:** Remove contact lenses if present and easy to do so. Flush eyes thoroughly with large amounts of water, holding eyelids open. If irritation persists, seek medical attention.
- Skin contact:** Wash skin with soap and water. If irritation or other symptoms develop, seek medical attention.
- Ingestion:** Not likely, due to the form of the product. In the event of, do not induce vomiting. Rinse mouth with water. Seek medical attention if a large amount is swallowed or if you feel unwell.

#### 4.2 Most important symptoms and effects, both acute and delayed

Not known, but dust may cause eye and respiratory irritation. Prolonged inhalation of high concentration of dust may cause adverse effects on the lungs.

#### 4.3 Indication of any immediate medical attention and special treatment needed

Not relevant. Treat symptomatically.

## 5. Fire fighting measures

### 5.1 Extinguishing media

Product is non-flammable under normal conditions of storage, handling and use. In the case of combustion as a result of improper handling, storage or use preferably use polyvalent powder extinguishers (ABC powder), in accordance with the Regulation on fire protection systems.

### 5.2 Special hazards arising from the product

Toxic fumes may occur. Use respiratory protective equipment.

### 5.3 Advice for fire-fighters

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit) in accordance with Directive 89/654/EC.

#### Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

## 6. Accidental release measures

Not applicable.

## 7. Handling and storage

### 7.1 Precautions for safe handling

- A. General precautions for safe use  
Comply with the current legislation concerning the prevention of industrial risks with regards manually handling weights. Maintain order, cleanliness and dispose of using safe methods.
- B. Technical recommendations for the prevention of fires and explosions  
Due to its non-inflammable nature, the product does not present a fire risk under normal conditions of storage, handling and use.
- C. Technical recommendations on general occupational hygiene  
Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.
- D. Technical recommendations to prevent environmental risks  
Preferably use aspiration for cleaning. Given the danger of the product by inhalation, any cleaning method that involves exposure to the product in this way (sweeping, etc.) is not recommended.

### 7.2 Conditions for safe storage, including any incompatibilities

- A. Technical measures for storage  
Store in a cool, dry, well-ventilated location

VOLUNTARY PRODUCT INFORMATION		
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- B. General conditions for storage  
 Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5.

## 8. Exposure controls/personal protection

### 8.1 Control parameters

Before grinding it is recommended to perform a risk assessment and to use personal protection equipment accordingly.

*Occupational exposure limit values and/or biological limit values.*

Keep exposure to the following components under surveillance.  
 (Observe also the regional official regulations)

Limit value type (Country of origin)	Substance	EC-N°	CAS-N°	Occupational limit value				Peak limit	source, remark
				Long term		Short term			
				mg/m <sup>3</sup>	ml/m <sup>3</sup> (ppm)	mg/m <sup>3</sup>	ml/m <sup>3</sup> (ppm)		
Nothing to declare.									

Note: Hazardous dust of the workpiece material may be generated during grinding and/or sanding operations. National regulations for dust exposure limit values must be taken into consideration.

### 8.2 Exposure controls and individual protection measures

#### 8.2.1 Respiratory protection

Use respiratory protective equipment  
 (type depends on specific application and material being ground)

#### 8.2.2 Hand protection

Wear protective gloves  
 (type depends on specific application and material being ground)

#### 8.2.3 Eye protection

Wear protective goggles or face shield  
 (type depends on specific application and material being ground)

#### 8.2.4 Hearing protection

Use hearing protection  
 (type depends on specific application and material being ground)

#### 8.2.5 Body protection

Use protective clothing  
 (type depends on specific application and material being ground)

## 9. Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Physical state	Solid
Appearance	Not available
Grade	36-400
Colour	Several
Odour	Odourless
Odour threshold	Non-applicable *
pH	Non-applicable *
Melting point	Non-applicable *
Boiling point	Non-applicable *
Flash Point	Non-applicable
Evaporation rate	Non-applicable *
Flammable limits (LEL)	Non-applicable *
Flammable limits (UEL)	Non-applicable *
Vapor density	Non-applicable *
Specific gravity	Non-applicable *
Solubility in water	Non-applicable *
Solubility properties	Non-applicable *
Partition coefficient n-octanol/water	Non-applicable *
Autoignition temperature	400 °C
Decomposition temperature	Non-applicable *
Viscosity	Non-applicable *

### 9.2 Other information

None.

## 10. Stability and reactivity

### 10.1 Reactivity

Product is stable when handled or stored correctly.

### 10.2 Chemical stability

No decomposition in normal use.

### 10.3 Possibility of hazardous reactions


No dangerous reactions known.

### 10.4 Conditions to avoid

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

### 10.5 Incompatible materials

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Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Not applicable	Not applicable	Avoid alkalis or strong bases

### 10.6 Hazardous decomposition products

None known. At temperatures exceeding 250° C hazardous or toxic decomposition products may be generated – see Section 5.2.

## 11. Toxicological information

No toxicological effects if inhaled or swallowed or with eye or skin contact are known. See also section 8.

## 12. Ecological information

### 12.1 Toxicity

No effects known.

### 12.2 Persistence and degradability

No biodegradable potentials known.

### 12.3 Bioaccumulative potential

No potentials known.

### 12.4 Mobility in soil

No potentials known.

### 12.5 Results of PBT and vPvB assessment

Not relevant.

### 12.6 Other adverse effects

No effects known.

## 13. Disposal considerations

### 13.1 Waste treatment methods

Dispose in accordance with all local, state and national regulations. Local regulations may be more stringent than regional and national requirements. It is the responsibility of the waste generator to determine the toxicity and physical characteristics of the material to determine the proper waste identification and disposal in compliance with applicable regulations.

#### 13.1.1 Product

Follow national and regional regulations.

Due to the ingredients and properties disposal as non-hazardous waste (2000/532/EC) is possible if no hazardous materials are added to the abrasives (EWC – Nr. 120121).

#### 13.1.2 Packaging

Follow national and regional regulations.

## 14. Transport information

The product is not covered by international regulation on the transport of dangerous goods.

## 15. Regulatory information

### 15.1 Safety, health and environmental regulations/legislation specific for the product

No specific labelling requirements under respective EC directives.

### 15.2 Chemical safety assessment

Not relevant.

## 16. Other information

### 16.1 Changes to the previous versions

See sections 1 to 16.

### 16.2 Literature and data sources

REACH Regulation (EC) Nr. 1907/2006

Regulation (EC) N° 1272/2008

Directive 98/24/EC

Directive 2000/39/EC

Directive 75/324/EEC

Decision 2000/532/EC

Transport regulations according to ADR, RID und IATA.

### 16.3 Hazard statements referred to in section 2 and 3

According to Regulation (EC) N° 1272/2008:

Acute Tox. 4: H302 - Harmful if swallowed.

Acute Tox. 4: H332 - Harmful if inhaled.

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

STOT RE 1: H372 - Causes damage to organs through prolonged or repeated exposure (Inhalation).

STOT RE 1: H372 - Causes damage to organs through prolonged or repeated exposure. (Oral).

The above information is based on our current standard of knowledge and does not constitute any warranty of conditions of the product and shall be used only as a guide. The information does not form part of any contractual agreement and relates only to the product designated herein and does not relate to its use in combination with any other material or process. It remains the user's responsibility to adhere existing laws and regulations.

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