 <b>SAFFIREBLUE INC.</b>	<b>SAFETY DATA SHEET</b> According to the regulation (EC) 1907/2006, art. 31 and its updating	Version: N°1 Product reference: PF000131 Review date: 02/11/2011 1 / 6
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## 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY

### 1.1. Product identifier

Trade name : RED CLAY  
 Scientific name : Hydrated alumina silicate  
 Substance/Mixture : Substance

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Field of use of the product : Cosmetic active

### 1.3. Details of the supplier of the safety data sheet

Supplier : Saffire Blue Inc.  
 1444 Bell Mill Road, Tillsonburg, ON N4G4G9 Canada  
 Tel: 519-286-0295 | Toll Free: 877-248-1115

### 1.4. Emergency telephone number

Poison center (ORFILA) : + 33 (0) 1 45 42 59 59

## 2. HAZARDS IDENTIFICATION

### 2.1. Classification of the substance or mixture

In compliance with EC regulation No. 1272/2008 and its amendments

This substance does not comply the classification criteria as a dangerous substance mentioned in the EC regulation No. 1272/2008.  
 It contains crystalline silica dust. Precautions for handling must be respected to avoid dust formation.

In compliance with directives 67/548/EEC, 1999/45/EC and their amendments

This substance does not comply the classification criteria as a dangerous substance mentioned in the EC regulation No. 67/548/EEC.  
 It contains crystalline silica dust. Precautions for handling must be respected to avoid dust formation.

### 2.2. Label elements

In compliance with EC regulation No. 1272/2008 and its amendments


No labeling requirements for this substance.

In compliance with directives 67/548/EEC, 1999/45/EC and their amendments

No labeling requirements for this substance.

### 2.3. Other hazards

This product is an inorganic substance, it does not comply with criteria of PBT or vPvB mentioned in the annex XIII REACH.

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### 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.1. Substances

Main ingredient :

- Kaolin : 100 %
- EINCES number : 310-194-1
- CAS number : 1332-58-7

Chemical structure of the substance :  
 Hydrated alumina silicate ( $\text{Al}_2\text{Si}_2\text{O}_5(\text{OH})_4$ )  
 Natural raw material

#### 3.2. Mixtures

Not applicable.

### 4. FIRST AID MEASURES

As a general rule, in case of doubt or if symptoms persist, always call a doctor. NEVER induce swallowing by an unconscious person.

#### 4.1. Description of first aid measures

In the event of exposure by inhalation

Move the patient into fresh air.

In the event of splashes or contact with eyes

Wash thoroughly with soft, clean water and seek medical attention if irritation remains.

In the event of splashes or contact with skin

Wash thoroughly with soap and water and seek medical attention if irritation remains.

In the event of swallowing

No first aid required. Rinse thoroughly the mouth. If an irritation persists, seek medical attention.

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

No acute nor delayed symptom observed.

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

No specific action required.


### 5. FIREFIGHTING MEASURES

Non-flammable.

#### 5.1. Extinguishing media

No specific extinguishing media required.

#### 5.2. Special hazards arising from the substance or mixture

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Not combustible. No thermal decomposition products.

### 5.3. Advice for firefighters

No protective firefighting measure required.

## 6. ACCIDENTAL RELEASE MEASURES

### 6.1. Personal precautions, protective equipment and emergency procedures

Avoid dust formation, wear personal protective equipment in accordance with national regulation.

### 6.2. Environmental precautions

No precaution required.

### 6.3. Methods and material for containment and cleaning up

Avoid dry scraps and use water sprays or ventilated evacuation system to prevent dust formation. Wear personal protective equipment in accordance with national regulation.

### 6.4. Reference to other sections

See section 8 and 13.

## 7. HANDLING AND STORAGE

Requirements relating to storage premises apply to all facilities where the substance is handled.

### 7.1. Precautions for safe handling

- Avoid dust formation. Provide appropriate ventilation where dust forms. In the event of insufficient ventilation, wear suitable breathing equipment. Handle with care as to prevent any accidental damage. If you need advices on technical handling, refer to the supplier or to section 16.

- Prevent any material from entering drains or waterways.

- No smoking, eating or drinking in areas where the substance is used. Wash hands after each use. Remove contaminated clothing and personal protective equipment before entering in an eating zone.

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

Avoid dust formation and its dispersion by wind before loading or unloading. Keep packaging closed and store with care and prevent any accidental damage. Store in a dry and covered area.


### 7.3 Specific end use(s)

If you need advices on technical handling, refer to the supplier or to section 16.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control parameters

Respect the regulatory provisions for dust on workplace (totally covered in dust, dust cell, crystalline silica dust). Occupational exposure limits (VLEP) of crystalline silica dust is 0.1 mg/m<sup>3</sup> (quartz) and 0.05 mg/m<sup>3</sup> (cristobalite and tridymite) in France measured as weighted average within 8 hours. To know the equivalent limits in other countries, refer to an hygienist or local regulation.

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## 8.2. Exposure controls

### Suitable technical controls

Avoid dust formation. Handle using appropriate ventilation especially in confined areas to respect specified exposure limits in the event of dust, fumes or mist. Remove clothing and wash soiled clothing.

### Pictogram(s) indicating the obligation of wearing personal protective equipment (PPE)



### Eye / face protection

Before handling, wear safety goggles to avoid eyes contact. Avoid contact lens when using.

### Skin protection

Recommended to workers suffering from dermatosis or sensitive skin to wear suitable protective equipment in the event of prolonged or repeated skin contact (protective clothing, cream).

### Hand protection

Recommended to workers suffering from dermatosis or sensitive skin to wear suitable protective gloves in the event of prolonged or repeated hand contact (gloves, cream). Wash the hands after handling.

### Respiratory protection

In the event of prolonged or repeated exposure to dust concentration, wear a suitable protective respiratory protection in accordance with local or national regulation.

### Environmental exposure control

Avoid dispersion by wind.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. Information on basic physical and chemical properties

#### General information

Physical state : Powder  
 Sieve analysis : < 200 µm

#### Important health, safety and environmental information

Bulk density g/cm<sup>3</sup> : 0.40 – 0.70

### 9.2. Other information

No data available.

## 10. STABILITY AND REACTIVITY



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Inert, non reactive, chemically stable, no dangerous reaction, no particular conditions to avoid, no particular incompatibility, no decomposition risk.

### 11. TOXICOLOGICAL INFORMATION

#### 11.1. Information on toxicological effects

##### Acute toxicity

Silica dust may provoke an eyes irritation or a pulmonary irritation.

Chronic toxicity : silica dust may cause a pulmonary affection : silicosis.

### 12. ECOLOGICAL INFORMATION

#### 12.1. Toxicity

Not relevant.

#### 12.2. Persistence and degradability

Not relevant. The substance is not biodegradable.

#### 12.3. Bioaccumulative potential

Not relevant.

#### 12.4. Mobility in soil

Negligeable.

#### 12.5. Results of PBT and vPvB assessment

Not relevant.

#### 12.6. Other adverse effects

No secondary effect known. Repeated or important overerflows may cause a nocive effect into the environment.

### 13. DISPOSAL CONSIDERATIONS

Proper waste management of the substance and/or its container must be determined in accordance with regulations in force.

#### 13.1. Waste treatment methods

##### Residual waste / unused products

Recycling is better than disposal. Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company.

##### Soiled packaging

Dust formation due to residues during packaging must be avoided and suitable protection must be provided to workers.

Re-use of packaging is not recommended. Give to a certified disposal contractor.

Disposal of soiled packaging in compliance with current legislation.

### 14. TRANSPORT INFORMATION



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No special requirements for transport product in compliance with provisions of the ADR for road, RID for rail, IMDG for sea and ICAO/IATA for air transport - not classified. Avoid dust spreading.

### 15. REGULATORY INFORMATION

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

Refer to the regulatory exposure limits for workforces in each country (Annex 1).

#### 15.2. Chemical safety assessment

Exempt from REACH registration (annex V.7.).

### 16. OTHER INFORMATION

Since the user's working conditions are not known by us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations. The substance must not be used for other uses than those specified in section 1 without having first obtained written handling instructions.

It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations.

The information in this safety data sheet must be regarded as a description of the safety requirements relating to the mixture and not as a guarantee of the properties thereof.