



# SiOO:X

WOOD PROTECTION

## SAFETY DATA SHEET

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Replaces version

### 1. NAME OF SUBSTANCE/PREPARATION AND COMPANY

#### 1.1 Name of the preparation

SiOO:X **End Grain Sealer**.

#### 1.2 Use of the preparation

Sealing of exposed end grain of SiOO:X-treated wood – part 1 of the two part system.

#### 1.3 Name of company

Sioo Wood Protection AB  
 Von Utfallsgatan 20, SE-415 05 Gothenburg, Sweden  
 Telephone: +46 31 42 42 62  
 Website: www.sioox.se e-mail: info@sioox.se

#### 1.4 Emergency telephone number (UK):

999

### 2. HAZARDOUS INGREDIENTS

SiOO:X **End Grain Sealer** contains no ingredients that have hazardous properties. There are no hazardous substances as defined in EC directive 67/548/EEC or 1999/45/EC, or persistent or bio-accumulative toxic substances according to Annex XIII or substances on the candidate list. In addition, there are no substances or part of the product that necessitate an obligation to label. The product is classified as an irritant due to its high alkalinity (pH above 11).



H315 Causes skin irritation  
 H319 Causes serious eye irritation  
 H335 May cause respiratory irritation

### 3. COMPOSITION

With reference to the absence of any hazardous properties in the preparation as set out in item 2 above, the concentrations of constituents that form the basis of the assessment for classification are given below:

Name of ingredient	Weight	CAS number
Potassium silicate	8-16%	1312-76-1
Water	83-92%	

### 4. FIRST AID MEASURES

#### 4.1 Other information

If the person shows signs of distress following exposure to this product, seek medical attention and show this data sheet to medical personnel.

#### 4.2 Inhalation

Inhalation of an aerosol of the product is hazardous. In cases of inhalation, remove immediately from source and seek fresh air. If there is any difficulty breathing seek medical attention.

### **4.3 Skin contact**

In case of contact, immediately flush skin with plenty of water. Cover any irritated skin with an emollient. Remove contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention in cases of serious exposure.

### **4.4 Eye contact**

Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.

### **4.4 Ingestion**

Do NOT induce vomiting. Rinse mouth with water thoroughly. Drink copious amounts of water.

## **5. FIRE FIGHTING MEASURES**

### **5.1 Suitable fire extinguishing agent**

The product is water-based and is non-combustible. Use dry powder, foam, or water.

### **5.2 Special measures**

None.

### **5.3 Special protective equipment for fire personnel**

Wear complete protective equipment including breathing apparatus.

## **6. MEASURES IN THE EVENT OF SPILLAGE**

### **6.1 Personal precautionary measures**

Avoid contact with skin and eyes. Wear protective equipment for skin and eyes. Inhalation of mist or vapors may cause respiratory tract irritation. Wear a respirator where exposure to aerosols is possible.

### **6.2 Precautionary measures concerning the environment**

Prevent the product reaching sewers, surrounding ground or water.

### **6.3 Measures when dealing with a spillage**

Bank in the spillage. Absorb with an inert material, such as sand sawdust or universal binder. Also see Sections 8 and 13.

## **7. HANDLING AND STORAGE**

### **7.1 Handling**

Avoid contact with skin and eyes. Wear protective equipment for skin and eyes.

### **7.2 Storage**

Store in well sealed containers. Avoid storage in direct sunlight or below 5 deg. C, or above 40 deg. C. Store in a secure dry well-ventilated place indoors.

## **8. EXPOSURE LIMITATIONS/PERSONAL PROTECTION**

### **8.1 Exposure limit values**

Contains no substances with occupational exposure limit values.

### **8.2 Exposure limitations at the workplace**

#### **a. respiratory protective equipment**

Do not breathe aerosols. When spraying in an enclosed area ensure that adequate extraction and ventilation is provided. Wear suitable face protection if exposure to aerosols is possible.

#### **b. protective gloves**

Wear protective water-proof gloves when handling. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

#### **c. eye protection**

Wear close-fitting goggles or a face visor if there is any risk of splashing. Use equipment for eye protection tested and approved under appropriate government standards.

#### **d. protective clothing**

Wear protective clothing if there is risk of splashing.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 General information

Thin, yellow liquid.

### 9.2 Important health, safety, environmental information

Boiling point	>100 deg. C
pH	11.3 to 11.7
Odour	none
VOC	0 g/l
Vapour pressure	As water
Relative density	1.12-1.16 g/cm <sup>3</sup>
Miscible with water?	Yes
Flashpoint	Not flammable

## 10. STABILITY AND REACTIVITY

### 10.1 Conditions to be avoided

Avoid storage in direct sunlight or below 5 deg. C. Thermal decomposition may yield small amounts of ethanol. Avoid storage above 40 deg.

### 10.2 Materials to be avoided

None.

### 10.3 Hazardous decomposition products

None.

## 11. TOXICOLOGICAL INFORMATION

### 11.1 Acute toxicity

This product comprises a non-toxic, but highly alkaline solution of silicates.

### 11.2 Irritation

Causes skin and eye irritation. Inhaling an aerosol may cause respiratory tract irritation.

## 12. ECOLOGICAL INFORMATION

This mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB). This substance must not be released to water courses or disposed of

## 13. WASTE DISPOSAL

Surplus and non-recyclable product should be dealt with by a licensed disposal company. Waste material must be disposed of in accordance with the Directive on waste 2008/98/EC as well as other national and local regulations. Leave chemicals in original containers. No mixing with other waste. Handle uncleaned containers like the product itself. The waste is not classified as toxic.

## 14. TRANSPORT INFORMATION

Not classified as hazardous, or dangerous.

## 15. REGULATORY INFORMATION

Conforms to requirements of Directive 91/155/EEC. Health, safety and environmental information in accordance with Directive 67/548/EEC and 1999/45/EC do not need to be stated on the label.

## 16. OTHER INFORMATION

This information is based upon current knowledge and experience and is believed to be correct, but does not claim to be all inclusive and should be used as a guide. All chemicals may pose unknown hazards and should be used with caution. This Material Safety Data Sheet (MSDS) applies only to the material as packaged. If this product is combined with other materials, deteriorates, or becomes contaminated, it may pose hazards not mentioned in this MSDS. It is the user's responsibility to develop proper methods of handling and personal protection based on the actual conditions of use. While this MSDS is based on technical data judged to be reliable, Sioo Wood Protection AB assumes no responsibility for the completeness or accuracy of the information contained herein.