



TANGSHAN POLAR BEAR BUILDING MATERIALS CO., LTD  
ISSUE No.:02 DATE:Jan.29<sup>TH</sup>,2020

## MATERIL SAFETY DATA SHEET

### 1: IDENTIFICATION OF THE SUBSTANCE/ PREPARATION AND OF THE COMPANY/UNDERTAKING

Product Name: CSA Expansive Agent

Company/Manufacturer: Tangshan Polar Bear Building Materials Co., Ltd.

Address: No. 174, Zhaoshang Rd. Leizhuang, Luanxian County, Hebei  
063705, China

Telephone: 0086-10-60557306 Fax:0086-10-60557307

### 2: COMPOSITION/INFORMATION ON PRODUCT

Composition: Calcium sulphoaluminate

CAS No.: 12004-14-7

	SiO <sub>2</sub>	Al <sub>2</sub> O <sub>3</sub>	Fe <sub>2</sub> O <sub>3</sub>	CaO	MgO	SO <sub>3</sub>	f-CaO	R <sub>2</sub> O	Cl <sup>-</sup>	Ig-loss
Usual range	4~7	8~12	<1.5	50~55	2~4	22~25	10~15	<0.3	<0.05	<5

### 3: HAZARDS IDENTIFICATION

Irritating to eyes, respiratory system and skin

### 4: FIRST AID MEASURES

Eyes: Irrigate immediately with copious quantities of water for several minutes. Obtain medical attention urgently

Skin: Wash immediately with copious quantities of water. Remove contaminated clothing immediately. Obtain medical advice if skin disorders develop.

Inhalation: Remove from exposure, rest and keep warm and obtain medical attention urgently.

Ingestion: Wash out mouth with water. Do not induce vomiting. Obtain medical attention.

### 5: FIRE FIGHTING MEASURES

Suitable Extinguishing Media: None, not Flammable

Special Exposure Hazards: None.

Special Protective Equipment: None.

### 6: ACCIDENTAL RELEASE MEASURES



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- Personal Precautions: Wear rubber boots in addition to the recommended protective clothing.
- Environmental Precautions: Prevent entry into drains, sewers and water courses
- Decontamination Procedures: Avoid the creation of dust in atmosphere. Gather into containers. Residues may be flushed to drain with large volumes of water.

## 7: HANDLING AND STORAGE

- Handling: Avoid creating dust. Avoid breathing dust. In case of insufficient ventilation, wear suitable respiratory equipment. Avoid skin and eye contact.
- Storage: Store in cool, dry area.

## #8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits:

Substance	8 Hour TWA	STEL	Source/Other Information
total inhalable dust	10mg/m <sup>3</sup>		EH 40
respirable dust	4mg/m <sup>3</sup>		

Engineering Control Measures Atmospheric levels of dust must be maintained within the Occupational Exposure Limit. Where mechanical methods are inadequate or impractical, appropriate personal protective equipment must be used.

Personal Protective Equipment: Impervious gloves(eg PVC). Goggles/Safety Glasses. Approved dust mask. Change contaminated clothing immediately and clean before re-use.

## 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Powder
Colour:	Grey
Odour:	Odourless
Ph:	11.0
Boiling Point/Range( <sup>0</sup> c):	Not Applicable.
Melting Point/Range( <sup>0</sup> c)	Not Applicable
Flash Point( <sup>0</sup> c):	None
Autoflammability( <sup>0</sup> c)	Not Determined
Explosive Properties(%)	Not Known
#Relative Density(at 20 <sup>0</sup> c):	1.50
Water Solubility:	Insoluble



## 10: STABILITY AND REACTIVITY

Stability: Stable  
Conditions to Avoid: Exposure to air. Contamination with water.  
#Materials to Avoid: Strong acids.  
Hazardous Decomposition Products: None

## 11: TOXICOLOGICAL INFORMATION

### Health Effects

On Eyes: Irritating and may injure eye tissue if not removed promptly.  
On skin: irritation. See "chronic" effects.  
By inhalation: Irritating to respiratory system. Inflammation of the nasal mucous membrane by exposure to cement dust.  
By ingestion: May cause irritation of mouth, throat and digestive tract.  
Chronic: Cause both irritant and allergic contact dermatitis. Prolonged skin contact can result in chemical burns.

## 12: ECOLOGICAL INFORMATION

Environmental Assessment: Little detailed information is available on the ecological effects of this product, but its overall environmental impact is not regarded as significant.  
Mobility: Insoluble in water.  
Persistence and Degradability: Not readily biodegradable.  
Bioaccumulative potential: Not expected to be bioaccumulative.  
Ecotoxicity: Not expected to be ecotoxic to fish/daphnia/algae.

## 13: DISPOSAL CONSIDERATIONS

Disposal must be in accordance with local and national legislation.  
Unused Product: Dispose of in an approved manner.  
Used/Contaminated product: As for Unused product.  
Packaging: The method of disposal must be acceptable to the local authority.

## 14: TRANSPORT INFORMATION

This product is not classified as dangerous for transport.  
IATA CLASSIFICATION: product is not classed as a dangerous good.  
IMDG CLASSIFICATION: product is not classed as a dangerous good.  
ADR/RID: product is not classed as a dangerous good.

## 15: REGULATORY INFORMATION

#Symbol(s): Xi



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Risk Phrases: Irritating to eyes, respiratory system and skin.

Safety Phrases: Do not breathe dust

Avoid contact with skin and eyes

In case of contact with eyes, irrigate with plenty of water and seek medical advice

Wear suitable protective clothing, gloves and eye/face protection.

## 16: OTHER INFORMATION

The data and advice given apply when the product is used for the stated application or applications. The product is not sold as suitable for any other application. Use of the product for applications other than as stated in this sheet may give rise to risks not mentioned in this sheet. The product should not be used other than for the stated application or applications without seeking advice from Tangshan Polar Bear Building Materials Co. Ltd.. If this product has been purchased for supply to a third party for use at work, it is the purchaser's duty to take all necessary steps to secure that any person handling or using the product is provided with the information in this sheet. It is the responsibility and duty of the employer to inform employees and others who may be affected of any hazards described in this sheet and of any precautions which should be taken. This sheet does not constitute or substitute for the users own assessment of workplace risk, as required by other health and safety legislation. Further copies of this Safety Data Sheet may be obtained from Tangshan Polar Bear Building Materials Co. Ltd.

