

MSDS of USG Boral EchoStop Plasterboard

Product Name: EchoStop Plasterboard

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Supplier Name USG Boral Gypsum (Shanghai) Co., Ltd
 Address 19F, 1088 Yan'an Road(W.), Changning District Shanghai 200052 P.R.C.
 Telephone +86 21 23074800
 Synonym(s) EchoStop Gypsum Board
 Use(s) EchoStop Plaster Board
 MSDS Date August 24th, 2013

2. HAZARDS IDENTIFICATION

NOT CLASSIFIED AS HAZARDOUS ACCORDING TO ASCC CRITERIA
NOT CLASSIFIED AS A DANGEROUS GOOD BY THE CRITERIA OF THE CHINESE GB12268 < List of Dangerous Goods >

UN No.	None Allocated	DG Class	None Allocated
Subsidiary Risk(s)	None Allocated	Packing Group	None Allocated
Hazchem Code	None Allocated	EPG	None Allocated

3. COMPOSITION/ INFORMATION ON INGREDIENTS

Ingredient	Formula	CAS No.	Content
GYP SUM	Ca-S-04-2 (H2-0)	10101-41-4	>85%
CELLULOSE	Not Available	9004-34-6	<15%
STARCH	Not Available	9005-25-8	<5%
POTASSIUM	SULPHATE	K2-S-04 7778-80-5	<3%
FIBROUS	GLASS Not Available	65997-17-3	<1%

4. FIRST AID MEASURES

Eye

Flush gently with running water. Seek medical attention if irritation develops. Seek medical attention if irritation develops.

Skin

Gently flush affected areas with water.

Inhalation

If over exposure occurs, leave exposure area immediately. Seek medical attention if symptoms develop.

Ingestion

For advice, contact a Poisons Information Centre or a doctor (at once). Due to product form

and application, ingestion is considered unlikely.

Advice to Doctor

Treat symptomatically

5. FIRE FIGHTING MEASURES

Fire and Explosion No fire or explosion hazard exists.
Extinguishing Prevent contamination of drains or waterways.
Flammability Non flammable. May evolve toxic gases if strongly heated.
Hazchem Code None Allocated

6. ACCIDENTAL RELEASE MEASURES

Spillage Spillage is considered unlikely.

7. STORAGE AND HANDLING

Storage Store board flat in cool, dry area.
Handling Before use carefully read the product label. Use of safe work practices are recommended to avoid eye or skin contact and inhalation. Observe good personal hygiene, including washing hands before eating.

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

Exposure Stds

Ingredient	Reference	TWA		STEL	
		ppm	mg/m ³	ppm	mg/m ³
Cellulose (paper fibre) (a)	GB(CHINA)	-	10	-	15(T)/5(R)
Gypsum (Calcium sulphate)	GB(CHINA)	-	10	-	15(T)/5(R)
Starch (a)	GB(CHINA)	-	10	-	15(T)/5(R)

Biological Limits No biological limit allocated.
Engineering Controls Avoid inhalation. Use in well ventilated areas. If sanding, drilling or cutting, use appropriate local extraction ventilation.
PPE Wear dust-proof goggles. Wear gloves.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance PAPER COVERED BOARD WITH GREY TO OFF-WHITE CORE
Solubility (Water) INSOLUBLE
Odour LOW ODOUR
Specific Gravity NOT AVAILABLE
Ph 7 (Approximately)
% Volatiles 0 %
Vapour Pressure NOT AVAILABLE
Flammability NON FLAMMABLE
Vapour Density NOT AVAILABLE
Flash Point NOT RELEVANT
Boiling Point NOT AVAILABLE

Upper Explosion Limit	NOT RELEVANT
Melting Point	NOT AVAILABLE
Lower Explosion Limit	NOT RELEVANT
Evaporation Rate	NOT AVAILABLE
Decomposition Temperature	1450°C

10. STABILITY AND REACTIVITY

Chemical Stability	Stable under recommended conditions of storage.
Conditions to Avoid	Avoid heat, sparks, open flames and other ignition sources.
Material to Avoid	Compatible with most commonly used materials.
Hazardous Decomposition Products	
Hazardous Reactions	Polymerization will not occur.

11. TOXICOLOGICAL INFORMATION

Health Hazard Summary

Low toxicity. Under normal conditions of use this product is not anticipated to present a hazard unless it is drilled or cut with dust generation. Use safe work practices to avoid dust generation and inhalation. Crystalline silica is classified as carcinogenic to humans (IARC Group 1). Chronic exposure to crystalline silica may cause lung fibrosis (silicosis), however due to the low levels of crystalline silica in this product, chronic health effects are not anticipated with normal use.

Eye

Due to product form and nature of use, an eye hazard is not anticipated. Product may only present a hazard if dust is generated. Contact may result in mechanical irritation.

Inhalation

Exposure considered unlikely. An inhalation hazard is not anticipated unless cut, drilled or sanded with dust generation, which may result in irritation of the nose and throat.

Skin

Low irritant. Prolonged or repeated exposure to dust may result in irritation and dermatitis.

Ingestion

Ingestion is considered unlikely due to product form.

Toxicity Data

GYP SUM (13397-24-5)

TCLo (Inhalation): 194 g/m³/10 years intermittently (human)

TDLo (Ingestion): 450 mg/kg/3 weeks intermittently (rat)

CELLULOSE (9004-34-6)

LC50 (Inhalation): > 5800 mg/m³/4 hours (rat)

LD50 (Ingestion): > 5000 mg/kg (rat)

LD50 (Intraperitoneal): > 31600 mg/kg (rat)

LD50 (Skin): > 2000 mg/kg (rabbit)

POTASSIUM SULPHATE (7778-80-5)

LD50 (Ingestion): 6600 mg/kg (rat)

LDLo (Ingestion): 750 mg/kg (woman)

LDLo (Subcutaneous): 3000 mg/kg (guinea pig)

TDLo (Ingestion): 750 mg/kg (woman)

12. ECOLOGICAL INFORMATION

Environment

Limited ecotoxicity data was available for this product at the time this report was prepared.

Ensure appropriate measures are taken to prevent this product from entering the environment.

13. DISPOSAL CONSIDERATIONS

Waste Disposal No special precautions are required for the disposal of this product.
Legislation Dispose of in accordance with relevant local legislation.

14. TRANSPORT INFORMATION

NOT CLASSIFIED AS A DANGEROUS GOOD BY THE CRITERIA OF THE ADG CODE

Shipping Name	None Allocated	UN No.	None Allocated
Packing Group	None Allocated	DG Class	None Allocated
Hazchem Code	None Allocated	Subsidiary Risk(s)	None Allocated
EPG	None Allocated		

15. REGULATORY INFORMATION

Poison Schedule

A poison schedule number has not been allocated to this product using the criteria in the Standard for the Uniform Scheduling of Drugs and Poisons (SUSDP).

IECSC

All chemicals listed on the Inventory of Existing Chemical Substances Manufactured or Imported in China (IECSC).

16. OTHER INFORMATION

Additional Information

RESPIRATORS:

In general the use of respirators should be limited and engineering controls employed to avoid exposure. If respiratory equipment must be worn ensure correct respirator selection and training is undertaken. Remember that some respirators may be extremely uncomfortable when used for long periods. The use of air powered or air supplied respirators should be considered where prolonged or repeated use is necessary.

ABBREVIATIONS:

ADB	Air-Dry Basis.
BEI	Biological Exposure Indice(s)
CAS#	Chemical Abstract Service number - used to uniquely identify chemical compounds.
CNS	Central Nervous System.
IECSC	Inventory of Existing Chemical Substances Manufactured or Imported in China
IARC	International Agency for Research on Cancer.
M	moles per litre, a unit of concentration.
mg/m ³	Milligrams per cubic metre.
NOS	Not Otherwise Specified.
NTP	National Toxicology Program.
OSHA	Occupational Safety and Health Administration.
pH	relates to hydrogen ion concentration using a scale of 0 (high acidic) to 14 (highly alkaline).
Ppm	Parts Per Million.
RTECS	Registry of Toxic Effects of Chemical Substances.
TWA/ES	Time Weighted Average or Exposure Standard.

HEALTH EFFECTS FROM EXPOSURE:

It should be noted that the effects from exposure to this product will depend on several factors including: frequency and duration of use; quantity used; effectiveness of control measures; protective equipment used and method of application. Given that it is impractical to prepare a Chemistry Alert report which would encompass all possible scenarios, it is anticipated that users will assess the risks and apply control methods where appropriate.

PERSONAL PROTECTIVE EQUIPMENT GUIDELINES:

The recommendation for protective equipment contained within this Chemistry Alert report is provided as a guide only. Factors such as method of application, working environment, quantity used, product concentration and the availability of engineering controls should be considered before final selection of personal protective equipment is made.

Report Status

This document has been compiled by RMT on behalf of the manufacturer of the product and serves as the manufacturer's Material Safety Data Sheet ('MSDS').

It is based on information concerning the product which has been provided to RMT by the manufacturer or obtained from third party sources and is believed to represent the current state of knowledge as to the appropriate safety and handling precautions for the product at the time of issue. Further clarification regarding any aspect of the product should be obtained directly from the manufacturer.

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