



中国认可
检验
INSPECTION
CNAS IB0071



NO.2624060288

SAFETY DATASHEET

Product Name: Mud masses

Effective Date: 2024-07-02

Compiler: He Xiaoshuang

Checker: Liu Wangqing

Approver: Dongxuesheng



Shanghai Institute of Chemical Industry Testing Co., Ltd.



Jilin City Xinliming Economic and Trade Co.,Ltd.

SAFETY DATA SHEET

Mud masses

SECTION1 PRODUCT AND COMPANY IDENTIFICATION

Product name: Mud masses

Company: Jilin City Xinliming Economic and Trade Co.,Ltd.

Address: No. 37, 3/F, Unit 4, Building 50, Area B, Pasadena, Chuanying District, Jilin,

Email: 37779862@qq.com

Fax: 86-432-63333755

Emergency Phone: 86-432-63333755

Recommend use of the chemical and restrictions on use: It is mainly used for blocking the tap hole and slag hole of the submerged arc furnace and protecting the tapping hole. Other Alloys than silicomanganese alloys

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SECTION2 HAZARDS IDENTIFICATION

GHS Classification:

Physical Hazards:

Not Classified

Health Hazards:

Serious eye damage/eye irritation Category 1

Carcinogenicity Category 2

Environmental Hazards:

Classification not possible

The hazards not mentioned are not applicable or no data available.

Label Elements:

Pictogram:



**Signal Word:**

Danger

Hazard Statements:

H318 Causes serious eye damage.

H351 Suspected of causing cancer.

Prevention Precautionary Statements:

P264+P265 Wash hands thoroughly after handling. Do not touch eyes.

P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.

P203 Obtain, read and follow all safety instructions before use.

Response Precautionary Statements:

P305+P354+P338 IF IN EYES: Immediately rinse with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P317 Get medical help.

P318 IF exposed or concerned, get medical advice.

Storage Precautionary Statements:

P405 Store locked up.

Disposal Precautionary Statements:

P501 Dispose of contents/container in accordance with local/regional/national/international regulation.

Other Hazards:

No data available.

SECTION3 INFORMATION ON INGREDIENTS

Product name: Mud masses

Ingredient	Concentration	CAS No.	EC No.
Mixtures:			
Silicon dioxide (SiO ₂)	34.06%	7631-86-9	231-545-4
Aluminium oxide (Al ₂ O ₃)	27.20%	1344-28-1	215-691-6
Magnesium oxide (MgO)	19.20%	1309-48-4	215-171-9
Coal coke asphalt	6.54%	8052-42-4	232-490-9
Ferric oxide (Fe ₂ O ₃)	5.20%	1309-37-1	215-168-2
Calcium oxide (CaO)	4.30%	1305-78-8	215-138-9
Scorch	3.50%	/	/

SECTION4 FIRST-AID MEASURES**Skin Exposure:**

In case of skin contact, flush with copious amounts of water. If irritation persists, Call a physician.

Eye Exposure:

In case of contacting with eyes, immediately flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Call a physician immediately.

Inhalation Exposure:

If inhaled, remove to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Call a physician.

Oral Exposure:

If swallowed, wash out mouth with water provided person is conscious. Call a physician.

Most Important Symptoms/Effects, Acute and Delayed:

No data available.

Indication of Immediate Medical Attention and Special Treatment Needed, if Necessary:

No data available.

SECTION5 FIRE FIGHTING MEASURES**Suitable Extinguishing Media:**

Suitable: Dry chemical, Water spray, Carbon dioxide or appropriate foam.

Specific Hazards Arising from the Chemical:

Take care as it may decompose upon combustion or in high temperatures to generate carbon oxides, silicon oxides, magnesium oxides, aluminium oxides, calcium oxides, iron oxides.

Special Protective Action for Fire-fighters:

Firefighters should wear self-contained breathing apparatus and protective clothing to prevent to contact with skin and eyes. Fire-extinguishing work is done from the windward. Isolate the accident area. Entry to noninvolved personnel should be controlled.

SECTION6 ACCIDENTAL RELEASE MEASURES**Personal Precautions, Protective Equipment and Emergency Procedures:**

Use personal protective equipment. Remove all sources of ignition. Avoid breathing dust. Keep people away from and upwind of leakage or spillage. Ensure adequate ventilation. Entry to noninvolved personnel should be controlled around the leakage area by roping off.

Environmental Precautions:

Prevent further leakage or spillage if safe to do so. Avoid entering drains.

Methods and Materials for Containment and Cleaning up:

Sweep up with spade and transfer to a dry, clean, lidded container for disposal. Avoid raising dust. Ventilate area and wash spill site after material pickup is complete.

SECTION7 HANDLING AND STORAGE**Precautions for Safe Handling:**

Operators should be trained and strictly abide by operating procedures. Wear appropriate protective clothing and chemical safety gloves. Avoid inhalation. Avoid contacting with eyes, skin and clothing. Prevent generation of dust. Keep away from ignition sources, heat and flame. No smoking at working site. Handling is performed in a well ventilated place. Wash hands and face thoroughly after handling.

Incompatibilities: Strong oxidants. Load and unload gently when handling. Prevent the package from breaking and getting damp so as to cause losses. Workplace should be equipped with appropriate varieties and quantities of fire-fighting equipment and leakage emergency treatment equipment.

Conditions for Safe Storage, Including any Incompatibilities:

Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Keep away from ignition sources, heat and flame. Incompatibilities: Strong oxidants. Storage place should be equipped with appropriate varieties and quantities of fire fighting equipment and leakage emergency treatment equipment.

SECTION8 EXPOSURE CONTROL/PPE**Control Parameters:**

GBZ 2.1-2019 Occupational Exposure Limits for Hazardous Agents in the Workplace - Part 1: Chemical Hazardous Agents:

Aluminium oxide dust: PC-TWA: 4 mg/m³(total dust)

Magnesium oxide fume: PC-TWA 10mg/m³

Coal coke asphalt: Asphalt (petroleum) fume, as benzene soluble matter: PC-TWA 5 mg/m³ Remark: G2B

Calcium oxide: PC-TWA 2mg/m³

ACGIH:

Aluminium oxide: TLV-TWA 10mg/m³(Asbestos-free, fine particles of less than 1% crystalline silica)

Magnesium oxide: TLV-TWA: 10 mg/m³

Coal coke asphalt: Asphalt: TLV-TWA: 0.5 mg/m³(As benzene-soluble aerosol)

Calcium oxide: TLV-TWA: 2 mg/m³

Appropriate Engineering Controls:

Mechanical exhaust required. Safety shower and eye bath.

Individual Protection Measures:**Eye/Face Protection:**

Wear chemical safety glasses.

Skin Protection:

Hand Protection: Wear compatible protective gloves.

Body Protection: Wear appropriate protective clothing.

Respiratory Protection:

Wear government approved respirator.

Thermal Hazards:

No data available.

Other Protect:

No smoking, drinking and eating at working site. Wash thoroughly after handling.

SECTION9 PHYSICAL/CHEMICAL PROPERTIES

Appearance:	Black viscous solid
Odor:	Weak odor
pH Value:	Not applicable
Solubility:	Hardly soluble in water
Melting Point/Freezing Point:	Not applicable
Boiling Point, Initial Boiling Point and Boiling Range:	Not applicable
Flash Point (Closed Cup):	Not applicable

Density/Relative No data available
 Density:
 Kinematic Not applicable
 Viscosity:
 Lower/Upper No data available
 Explosion
 Limit/Flammability Limit:
 Vapour Pressure: No data available

Relative Vapor No data available
 Density:
 Partition No data available
 Coefficient
 N-Octanol/Water (Log Value):
 Autoignition No data available
 Temperature:
 Decomposition No data available
 Temperature:
 Particle No data available
 Characteristics:

Flammability (Solid, Gas): The substance is not classified in Division 4.1 Flammable Solids.

SECTION10 STABILITY AND REACTIVITY

Reactivity:

No data available.

Chemical Stability:

Stable under normal temperatures and pressures.

Possibility of Hazardous Reactions:

No data available.

Conditions to Avoid:

No data available.

Incompatible Materials:

Strong oxidants.

Hazardous Decomposition Products:

Carbon oxides, silicon oxides, magnesium oxides, aluminium oxides, calcium oxides, iron oxides.

SECTION11 TOXICOLOGICAL INFORMATION

Acute Toxicity:

No data available.

Skin Corrosion/Irritation:

No data available.

Serious Eye Damage/Irritation:

Causes serious eye damage.

Respiratory Sensitization:

No data available.

Skin Sensitization:

No data available.

Germ Cell Mutagenicity:

No data available.

Carcinogenicity:

Coal coke asphalt: IARC: Group 2B (Possibly carcinogenic to humans)
The product is suspected of causing cancer.

Reproductive Toxicity:

No data available.

Specific Target Organ Toxicity -Single Exposure:

No data available.

Specific Target Organ Toxicity -Repeated Exposure:

No data available.

Aspiration Hazard:

No data available.

SECTION12 ECOLOGICAL INFORMATION**Toxicity:**

No data available.

Persistence and Degradability:

No data available.

Bioaccumulative Potential:

No data available.

Mobility in Soil:

No data available.

Other Adverse Effects:

No data available.

SECTION13 DISPOSAL CONSIDERATION**Disposal Methods:**

Recycle as far as possible. If unable to recycle, it is recommended to use incineration method for disposal under supervision. This product should not be disposed of by discharge into sewers. Return empty containers to the manufacturer or dispose of them in accordance with national and local regulations. Follow the relevant provisions of national and local regulations before disposal. It is recommended to be disposed of by a qualified chemical waste treatment department.

SECTION14 TRANSPORT INFORMATION

RID/ADR (2023 Edition):	The product is not subject to RID/ADR.
IATA DGR (65 th Edition):	The product is not subject to IATA DGR.
IMO IMDG CODE (2022 Edition):	The product is not subject to IMO IMDG Code.
Environmental Hazards:	No.
Special Precautions for User:	No data available.

Transport in Bulk Not applicable.
according to
Annex II of
MARPOL 73/78 and
the IBC Code:

SECTION15 REGULATORY INFORMATION

Montreal Protocol:
Not listed.

Stockholm Convention:
Not listed.

Rotterdam Convention:
Not listed.

EINECS/ELINCS:
All ingredients except for the scorch are listed.

TSCA:
All ingredients except for the scorch are listed.

IECSC:
All ingredients except for the scorch are listed.

SECTION16 OTHER INFORMATION

Preparation Date:
2024-07-02

Preparation Department:
Shanghai Institute of Chemical Industry Testing Co., Ltd. Tel(Fax): +86-21-52815377/31765555

Revision:
0

Reference Standard:
GLOBALLY HARMONIZED SYSTEM OF CLASSIFICATION AND LABELLING OF CHEMICALS (GHS), 10th revised edition

Abbreviation and Acronyms:

CAS: Chemical Abstracts Service EC: European Commission PC-TWA: Permissible concentration-time weighted average ACGIH: American Conference of Governmental Industrial Hygienists TLV-TWA: Threshold limit value-time weighted average G2B: Possibly carcinogenic to humans IARC: International Agency for Research on Cancer ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road RID: Regulations concerning the International Carriage of Dangerous Goods by Rail IMO IMDG CODE: International Maritime Organization International Maritime Dangerous Goods Code IATA DGR: International Air Transport Association Dangerous Goods Regulations MARPOL: International Convention for the Prevention of Pollution from Ships IBC Code: International Code for the Construction and Equipment of Ships Carrying Dangerous Chemicals in Bulk EINECS: European Inventory of Existing Commercial Chemical Substances ELINCS: European List of Notified Chemical Substances TSCA: Toxic Substances Control Act IECSC: Inventory of Existing Chemical Substances in China

Other Information:

This SDS is compiled based on the information such as ingredients provided by the applicant and our current knowledge. This SDS shall be used only as a guide. The users of this SDS must make independent judgments on the correctness and completeness and then decide its suitability according to the actual situation. The users should take the relevant legal responsibilities for the consequences of use.

END OF REPORT

