



SDS Service Summary

No.: CANHG2301485401

Date: 13 Feb 2023

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SGS Job No. : GZHL2302002633PL
Product Name : diatomite mat and tray
Manufacturer / Supplier : GUANGXI FEEPOP TECHNOLOGY CO., LTD.
Composition/Ingredient of product (as per applicant submission) : See *section 3 Composition/information on ingredients* on the SDS
Job Receiving Date : 08 Feb 2023
SDS Preparation Period : 08 Feb 2023-13 Feb 2023

Service Requested : Preparation of Safety Data Sheet (SDS) for the product with submitted information, with calculation of the classification and labeling requirement according to the submitted composition and US Hazard Communication Standard 29 CFR 1910.1200.

Summary : As per request, the contents and formats of the SDS are prepared in accordance with US Hazard Communication Standard 29 CFR 1910.1200, and is provided per attached.

Disclaimer

This Safety Data Sheet (SDS) is provided to applicant to fulfill US Hazard Communication Standard 29 CFR 1910.1200 and communicate the hazard information of chemicals through the supply chain to ensure safe use. It is not a test report or a certificate ensuring the safety of a product. SGS has consolidated product information based on documents provided by Applicant (i.e. product name, the supplier details, product composition, available physical data, etc.) without independent verification from SGS. The information is provided without any warranty, express or implied, regarding its correctness.

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Project Engineer

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· Precautionary statements

- P261 Avoid breathing dust/fume/gas/mist/vapors/spray
 P264 Wash thoroughly after handling.
 P271 Use only outdoors or in a well-ventilated area.
 P280 Wear eye protection / face protection.
 P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
 P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P312 Call a poison center/doctor if you feel unwell.
 P337+P313 If eye irritation persists: Get medical advice/attention.
 P403+P233 Store in a well-ventilated place. Keep container tightly closed.
 P405 Store locked up.
 P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

· Hazards not otherwise classified (HNOC) No further relevant information available.

3 Composition/information on ingredients

· Chemical characterization: Mixtures**· Description:**

Mixture of the substances listed below with nonhazardous additions.
 For the wording of the listed hazard statements refer to Section 16.

· Composition:

CAS: 61790-53-2	Diatomaceous earth	30%
	⚠ Eye Irritation 2A, H319; Specific Target Organ Toxicity - Single Exposure 3, H335	
CAS: 1327-39-5	Silicic acid, aluminum calcium salt	23%
CAS: 65996-61-4	Pulp, cellulose	16.5%
CAS: 14808-60-7	Quartz (SiO ₂)	16%
CAS: 13983-17-0	Wollastonite (Ca(SiO ₃))	14%
CAS: 124-17-4	2-(2-butoxyethoxy)ethyl acetate	0.5%

4 First-aid measures

· Description of first aid measures

- After inhalation:** Supply fresh air; consult doctor in case of complaints.
· After skin contact: Generally the product does not irritate the skin.
· After eye contact:
 Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
· After swallowing: If symptoms persist consult doctor.
· Most important symptoms and effects, both acute and delayed No further relevant information available.
· Indication of any immediate medical attention and special treatment needed
 No further relevant information available.

5 Fire-fighting measures

- Suitable extinguishing agents:** Use fire fighting measures that suit the environment.
· Special hazards arising from the substance or mixture: No further relevant information available.

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- **Special protective equipment and precautions for firefighters**
- **Protective equipment:** No special measures required.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures:** Not required.
- **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**
Dispose contaminated material as waste according to section 13.
Ensure adequate ventilation.

7 Handling and storage

- **Precautions for safe handling:**
Ensure good ventilation/exhaustion at the workplace.
For the general occupational hygienic measures refer to Section 8.
- **Information about protection against explosions and fires:** No special measures required.
- **Conditions for safe storage, including any incompatibilities**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Store away from foodstuffs.
- **Further information about storage conditions:** Keep receptacle tightly sealed.

8 Exposure controls/personal protection

- **Components with limit values that require monitoring at the workplace:**

CAS: 61790-53-2 Diatomaceous earth (30%)

PEL (USA)	20mppcf or 80mg/m ³ /%SiO ₂
REL (USA)	Long-term value: 6 mg/m ³ See Pocket Guide App. C
TLV (USA)	TLV withdrawn

CAS: 65996-61-4 Pulp, cellulose (16.5%)

PEL-TWA (USA)	Long-term value: 15 mg/m ³ Total dust
TLV-TWA (USA)	Long-term value: 10 mg/m ³ Total dust

CAS: 14808-60-7 Quartz (SiO₂) (16%)

PEL (USA)	Long-term value: 0.05* mg/m ³ *resp. dust; 30mg/m ³ /%SiO ₂ +2
REL (USA)	Long-term value: 0.05* mg/m ³ *respirable dust; See Pocket Guide App. A
TLV (USA)	Long-term value: 0.025* mg/m ³ *respirable particulate matter, A2

- **Regulatory information**
PEL (USA): Guide to Occupational Exposure Values (OSHA PELs)
REL (USA): Guide to Occupational Exposure Values (NIOSH RELs)
TLV (USA): Guide to Occupational Exposure Values (TLV)
- **Additional information:** The lists that were valid during the creation were used as basis.
- **Based on the composition shown in Section 3, the following measures are suggested for occupational safety measure.**

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- **Appropriate engineering controls:**

Keep away from foodstuffs, beverages and feed.
 Immediately remove all soiled and contaminated clothing.
 Wash hands before breaks and at the end of work.
 Avoid contact with the eyes.
 Avoid contact with the eyes and skin.
 See Section 7 for information about design of technical facilities.

- **Individual protection measures, such as personal protective equipment**

- **Breathing equipment:**

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.

- **Hand protection:**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
 Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.
 Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

- **Material of gloves:**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

- **Penetration time of glove material:**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

- **Eyeface protection:**



Tightly sealed goggles

9 Physical and chemical properties

- **General Information**

- **Appearance:**

Form: Solid
Color: Grey white
Odor: No pungent odor
Odor threshold: Not available

· **pH-value:** Not available

- **Change in condition**

Melting point/Freezing point: Not available
Initial boiling point and boiling range: Not available

· **Flash point:** Not available

· **Flammability** Not available

· **Auto-Ignition temperature:** Not available

· **Decomposition temperature:** Not available

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· Lower and upper explosion limit

Lower: Not available

Upper: Not available

· Vapor pressure: Not available

· Density: Not available

· Relative density: Not available

· Vapor density: Not available

· Evaporation rate: Not available

· Solubility in / Miscibility with Water: Not available

· Partition coefficient (n-octanol/water): Not available

· Viscosity:

Dynamic: Not available

Kinematic: Not available

· Other information No further relevant information available.

10 Stability and reactivity

· Reactivity: No further relevant information available.

· Chemical stability: No further relevant information available.

· Possibility of hazardous reactions: No dangerous reactions known.

· Conditions to avoid: No further relevant information available.

· Incompatible materials: No further relevant information available.

· Hazardous decomposition products: No dangerous decomposition products known.

11 Toxicological information

· Acute toxicity:

· LD/LC50 values that are relevant for classification:

CAS: 124-17-4 2-(2-butoxyethoxy)ethyl acetate

Oral LD50 6,500 mg/kg (rat)

Dermal LD50 14,500 mg/kg (rabbit)

· Skin corrosion/irritation: Irritating effect possible.

· Serious eye damage/irritation: Irritating effect.

· Respiratory or skin sensitization: Sensitization possible.

· Additional toxicological information:

The product shows the following dangers according to internally approved calculation methods for preparations:

Irritant

· Carcinogenic categories

· IARC (International Agency for Research on Cancer)

61790-53-2 Diatomaceous earth

3

14808-60-7 Quartz (SiO₂)

1

13983-17-0 Wollastonite (Ca(SiO₃))

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· **NTP (National Toxicology Program)**14808-60-7 Quartz (SiO₂)

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· **OSHA-Ca (Occupational Safety & Health Administration)**

None of the ingredients is listed.

12 Ecological information

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability:** No further relevant information available.
- **Bioaccumulative potential:** No further relevant information available.
- **Mobility in soil:** No further relevant information available.
- **Other adverse effects** No further relevant information available.

13 Disposal considerations

- **Waste treatment methods**
- **Recommendation:**
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.
- **Recommended cleansing agent:** Water, if necessary with cleansing agents.

14 Transport information

- | | |
|--|----------------|
| · UN-Number | |
| · DOT, IMDG, IATA | Not applicable |
| · UN proper shipping name | |
| · DOT, IMDG, IATA | Not applicable |
| · Transport hazard class(es) | |
| · DOT, IMDG, IATA | |
| · Class | Not applicable |
| · Label | - |
| · Packing group | |
| · DOT, IMDG, IATA | Not applicable |
| · Environmental hazards: | |
| · Marine pollutant: | No |
| · Special precautions for user | Not applicable |
| · Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code | Not applicable |
| · Transport/Additional information: | Not applicable |
| · UN "Model Regulation": | Not applicable |

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15 Regulatory information

· **Safety, health and environmental regulations/legislation specific for the substance or mixture**

· **Sara**

· **Section 355 (extremely hazardous substances):**

None of the ingredients is listed.

· **Section 313 (Specific toxic chemical listings):**

124-17-4 2-(2-butoxyethoxy)ethyl acetate

· **TSCA (Toxic Substances Control Act):**

61790-53-2	Diatomaceous earth	ACTIVE
1327-39-5	Silicic acid, aluminum calcium salt	ACTIVE
65996-61-4	Pulp, cellulose	ACTIVE
14808-60-7	Quartz (SiO ₂)	ACTIVE
124-17-4	2-(2-butoxyethoxy)ethyl acetate	ACTIVE

· **Proposition 65**

· **Chemicals known to cause cancer:**

14808-60-7 Quartz (SiO₂)

· **Chemicals known to cause reproductive toxicity for females:**

None of the ingredients is listed.

· **Chemicals known to cause reproductive toxicity for males:**

None of the ingredients is listed.

· **Chemicals known to cause developmental toxicity:**

None of the ingredients is listed.

· **New Jersey Right-to-Know List:**

61790-53-2	Diatomaceous earth
14808-60-7	Quartz (SiO ₂)

· **New Jersey Special Hazardous Substance List:**

14808-60-7	Quartz (SiO ₂)	CA
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· **Pennsylvania Right-to-Know List:**

14808-60-7	Quartz (SiO ₂)
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· **Pennsylvania Special Hazardous Substance List:**

None of the ingredients is listed.

· **Carcinogenicity categories**

· **EPA (Environmental Protection Agency)**

None of the ingredients is listed.

· **TLV (Threshold Limit Value)**

14808-60-7	Quartz (SiO ₂)	A2
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· **NIOSH-Ca (National Institute for Occupational Safety and Health)**

14808-60-7	Quartz (SiO ₂)
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16 Other information

· **Relevant hazard statements**

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

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The contents and format of this SDS are in accordance with 29 CFR 1910.1200.

DISCLAIMER OF LIABILITY

The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.

. **Date of preparation / last revision 02/13/2023**. **Abbreviations and acronyms:**

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

NIOSH: National Institute for Occupational Safety

OSHA: Occupational Safety & Health

Eye Irritation 2A: Serious eye damage/eye irritation – Category 2A

Specific Target Organ Toxicity - Single Exposure 3: Specific target organ toxicity (single exposure) – Category 3

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USA