

MATERIAL SAFETY DATA SHEET (MSDS)

Applicant Name	> PROZ COATING TECHNOLOGY CO.LTD
Applicant Address	> SHUIKOU INDUSTRIAL DISTRICT HUIZHOU GUANGDONG
Product Name	> Baoshilai water-based painting BNG603
Report No.	> RT202303230000004
Received Date	> 2023-3-22
Compilation Period	> 2023-3-22 to 2023-3-23
Regulatory Requirements	> As requested by the applicant, the Material Safety Data Sheet is prepared according to EU CLP regulation EC No. 1272/2008.

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Address: The 2 floor, Huakai Building, Shenghe Road, Nancheng District, Dongguan City, China

SECTION 1. Identification of the substance/preparation and company

1.1 Product Name	: Baoshilai water-based painting BNG603
1.2 Model No.	: BNG603
1.3 Recommended Use	: SURFACE DECORATION OF WOOD PRODUCTS
1.4 Manufacturer Name	: PROZ COATING TECHNOLOGY CO.LTD
1.5 Manufacturer Address	: SHUIKOU INDUSTRIAL DISTRICT HUIZHOU GUANGDONG
1.6 Manufacturer Tel	: 86-13542724801
1.7 Manufacturer Fax	: 86-752-3313966
1.8 Manufacturer Email	: note-437@163.com
1.9 Emergency Phone	: 86-752-3312266

SECTION 2. Hazards identifications**2.1 Hazard Classification of substance or mixture****In accordance with Regulation (EC) No 1272/2008:**

Acute toxicity, oral category 4

Skin corrosion/irritation category 2

Serious eye damage/eye irritation category 1

Specific target organ toxicity, single exposure; Respiratory tract irritation category 3

Carcinogenicity category 2

Hazardous to the aquatic environment,acute hazard category 1

Hazardous to the aquatic environment,long-term hazard category 2

2.2 Label elements:

Labeling according to Regulation (EC) No 1272/2008: The product is classified and labelled according to the CLP regulation.

Pictograms:**Signal word:** Danger

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Hazard statements description:

H302:Harmful if swallowed

H315:Causes skin irritation

H318:Causes serious eye damage

H335:May cause respiratory irritation

H351:Suspected of causing cancer

H400:Very toxic to aquatic life

H411:Toxic to aquatic life with long lasting effects

Precautionary description:

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

P261:Avoid breathing dust/fume/gas/mist/vapours/spray.

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

P270:Do not eat, drink or smoke when using this product.

P271:Use only outdoors or in a well-ventilated area.

P273:Avoid release to the environment.

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

Response

P301 + P317:IF SWALLOWED: Get medical help.

P330:Rinse mouth

P302 + P352:IF ON SKIN: Wash with plenty water/...

P332 + P317:If skin irritation occurs: Get medical help.

P362 + P364:Take off contaminated clothing and wash it before reuse.

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.

P304 + P340:IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P319:Get medical help if you feel unwell.

P318:IF exposed or concerned, get medical advice.

P391:Collect spillage.

Storage

P403 + P233:Store in a well-ventilated place. Keep container tightly closed.

P405:Store locked up.

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Disposal

P501: Dispose of contents/containers in accordance with local/regional/national/international regulations.

2.3 Other hazards

Human health dangers:

People who are allergic to paint should avoid the use of the product.

Environmental hazards:

No data available.

Other hazards:

No data available.

SECTION 3. Composition / information on ingredients

The difference between the single product and mixture: Mixture

Substance name	Conc. (%)	EC / List no.	CAS.	GHS.
Calcium carbonate	26.00	207-439-9	471-34-1	Skin Irrit. 2.H315 Eye Dam. 1.H318 STOT SE 3.H335
Water - based acrylic resin	25.00	618-347-7	9003-01-4	Acute Tox. 4.H302 Eye Dam. 1.H318 STOT SE 3.H335 Aquatic Acute 1.H400 Aquatic Chronic 2.H411
Titanium Dioxide	25.00	236-675-5	13463-67-7	Carc. 2 H351
Water	20.00	231-791-2	7732-18-5	/
1,2-Propanediol	2.00	200-338-0	57-55-6	/
2,2,4-Trimethyl-1,3-pentanedio l monoisobutyrate	2.00	246-771-9	25265-77-4	/

SECTION 4. First aid measures

4.1 Description of first aid measures

General advice: Show this safety data sheet (MSDS) to the doctor in attendance as necessary.

inhalation:

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Move victim into fresh air. If breathing is difficult, give oxygen. If not breathing, give cardiopulmonary resuscitation and consult a physician immediately.

skin contact:

Take off contaminated clothing immediately. Wash the skin with plenty of soap and water. Immediately consult a physician if feeling uncomfortable.

eye contact:

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical attention immediately.

ingestion:

If it is ingested, rinse the mouth with water. Seek medical attention immediately.

4.2 Most important symptoms and effects ,both acute and delayed.

The most important known symptoms and effects are described in the labelling(see section 2)and /or in section 11.

4.3 Indication of any immediate medical attention and special treatment needed.

Treat symptomatically; Forward this sheet to the doctor.

SECTION 5. Firefighting measures

5.1 Suitable extinguishing media:

All extinguishing agents can be used (Dry powder, chemical foam, carbon dioxide, water mist, sand).

Extinguishing media that must not be used:

None to our knowledge. If there is a fire close by, use suitable extinguishing agents.

5.2 Special hazards arising from the substance or mixture:

Not considered to be a fire hazard. Not easily ignited by fire.

5.3 Advice for firefighters:

As in any fire, wear self-contained breathing apparatus(MSHA/NIOSH approved or equivalent)and full protective gear.

Extinguish fire in a safe distance with enough protection

Prevent fire extinguishing water from contaminating surface water or the ground water system.

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SECTION 6. Accidental release measures**6.1 Personal precautions, protective equipment and emergency procedures:**

Avoid contacting with skin and eye.

Ensure adequate ventilation. Clear all fire sources.

Evacuate personnel to safe areas. Keep people away from upwind of spill/leak.

Wear appropriate protective measures (SEE SECTION 8).

6.2 Environmental precautions:

Do not empty into drains. If the product contaminated lakes, rivers or sewages, inform appropriate authorities in accordance with local regulations.

6.3 Methods and material for containment and cleaning up:

Remove by liquid absorbing material (e.g. kieselguhr) . Adhered or collected material should be promptly disposed of. Disposal of discarded waste/pollutants refers to SECTION 13.

SECTION 7. Handling and storage**7.1 Precautions for safe handling:**

Closed operation.

Keep away from fire and heat.

Keep indoor ventilation or local exhaust device.

Keep out of the reach of children.

Avoid sunlight.

When handling, load and unload with care to prevent damage to packaging and containers.

Equipped with leakage emergency treatment equipment.

7.2 Conditions for safe storage ,including any incompatibilities:

Keep away from fire and heat.

Store in a cool, ventilated place.

The storage area should be equipped with suitable materials to contain the leakage.

Stored in compatible containers.

Keep storage containers sealed.

Do not store with food containers or incompatible materials (see section 10.2)

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SECTION 8. Exposure controls / personal protection**8.1 Control parameters****Ingredients with occupational exposure limits to be monitored(US) :**

No specific limits

Occupational Exposure Limit:

No specific limits

8.2 Exposure control**Additional advice on system design:**

Keep substances sealed during production and keep indoor ventilation. Where reasonably practicable, this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Ensure that eyewash stations and safety showers are proximal to the work-station location.

Respiratory Protection:

If exposure limits are exceeded or if irritation or other symptoms are experienced, use a full-face respirator with multi-purpose combination (US) or type AXBEK (EN 14387) respirator cartridges.

If ventilation is insufficient, wear respiratory protection. Short term: filter apparatus, combination filter A-P2.

Eyes Protection:

Wear protective goggles in working time. (Comply with the European Union EN 166 or The U.S. NIOSH standard.), If contacting with eyes, flush with plenty of water and seek medical advice.

Hands Protection:

Protective gloves made of PVC. Use suitable chemical-resistant protective gloves (compliant with Standard EN374-1).

Protective gloves must be chosen according to the function of the work station: other chemicals which may be handled, physical protection necessary (resistance to cutting, puncture, heat), dexterity

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required. The selection of gloves must take into account the extent and duration of use at the work station.

Skin Protection:

Protective clothing.

Personal protective equipment should be selected specifically for the working place, depending on concentration and quantity handled. Wash with plenty of water if gloves puncture or skin exposure.

Sanitary Measure:

Forbid smoking, eating and drinking in working places. Washing hands after handling products.

SECTION 9. Physical and chemical properties

Appearance and Color	White viscous liquid
Odour	Weak odor
PH value	8-9
Flammability	Non flammable
Density(g/cm³)	0.96-1.1
Relative steam density (air = 1)	No Data
Vapor pressure(MPa)	No Data
Octanol/water partition coefficient	No Data
Formula	No Data
Flash point(°C,Closed cup)	No Data
Boiling point(°C)	No Data
Melting point (°C)	300
Evaporation rate (kg/s)	No Data
UEL %(V/V)	No Data
LEL %(V/V)	No Data
Auto-ignition temperature(°C)	No Data
Decomposition temperature(°C)	No Data
Solubility	Partially soluble in water

SECTION 10. Stability and reactivity

10.1 Reactivity:

No dangerous reactions known if used as directed.

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10.2 Stability:

Stable under recommended storage and handling conditions (See section 7).

10.3 Material for avoiding:

Strong oxidant, acid, alkali.

10.4 Contact conditions for avoiding:

Fire 0 High temperature

10.5 Hazardous decomposition products

No data available.

SECTION 11. Toxicological information**11.1 Acute toxicity:**

No information found.

11.2 Skin corrosion/irritation:

Causes skin irritation

11.3 Serious eye damage/irritation:

Causes serious eye damage

11.4 Respiratory or skin sensitisation:

May cause respiratory irritation

11.5 Germ cell mutagenicity:

No information found.

11.6 Carcinogenicity:

Suspected of causing cancer

11.7 Reproductive toxicity:

No information found.

11.8 STOT-single exposure:

No information found.

11.9 STOT-repeated exposure:

No information found.

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SECTION 12. Ecological information**12.1 Ecotoxicity:**

According to the environmental protection laws, this product can't be poured into sewers or drainage ditches, can't be discarded in those places which would affect soil and underground water.

12.2 Persistence and degradability:

No data available.

12.3 Bioaccumulative potential:

No data available.

12.4 Mobility in soil:

No data available.

12.5 Results of PBT and vPvB assessment:

No data available.

12.6 Other adverse effects:

No data available.

SECTION 13. Disposal considerations**13.1 Handling method for waste:**

Handling waste according to the local regulations. Contact specific waste disposal company or companies recommended by local laws.

13.2 Handling method for uncleaned packaging:

According to official regulations.

13.3 RCRA Hazard class(40 CFR 261) :

Waste must be disposed of in accordance with federal ,state and local environment control regulations.Consult your local or regional authorities.

SECTION 14. Transport information**14.1****Land transport (ADR/RID)**

-UN number: 3082

-Proper shipping name and description:

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ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

-Class: 9

-Packaging group: III



-Labels:

Marine transport (IMDG)

-UN number: 3082

-Proper shipping name and description:

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

-Class: 9

-Packaging group: III

-EMS number: F-A, S-F



-Labels:

Air transport (ICAO/IATA)

-UN number: 3082

-Proper shipping name and description:

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

-Class: 9

-Packaging group: III



-Labels:

Attention Notes: Gentle with, prevent collision drag and dump. Prohibition with antioxidant and food chemical mixed stowage, transit should prevent sun, fire, rain and high temperature.

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SECTION 15. Regulatory information

Hazardous chemicals catalog
International maritime dangerous goods code
Dangerous Goods Number Of United Nations
Technical Instructions for the Safe Transport of Dangerous Goods by Air
Classification and code of dangerous goods
Occupational Safety and Health Act (OSHA)
The principle of classification of transport packaging groups of dangerous goods
Globally Harmonized System of Classification and Labelling of Chemicals
EU CLP regulation EC No. 1272/2008
In accordance with all local laws.

SECTION 16. Other information**Disclaimer**

The information in this Material Safety Data Sheet 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 MSDS was prepared and is to be used only for this product. This information is furnished upon condition that the person receiving it shall make his own determination of the suitability of the material for his particular purpose.

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