

MATERIAL SAFETY DATA SHEET

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product name: Dough

Product Code: MAS200610

Product type: Solid.

Date of issue/Date of revision: 2025/05/06

Use of the Dough substance/preparation: Toy

Company/undertaking identification:

Manufacturer: Foshan Master Toys Co., Ltd

Wanhe Road, Songxia Industrial District, Nanhai District, Foshan Guangdong China

E-mail address of person responsible for this MSDS: master@peipeile.com.cn

Emergency telephone number (with hours of operation): 0086 757 85239738 (8:30-18:00, Monday-Saturday, Contact Person: Stephanie)

2. HAZARDS IDENTIFICATION

The product is not classified as dangerous according to Regulation (EC) NO. 1272/2008 [CLP] and its amendments.

Classification: Not classified.

See section 11 for more detailed information on health effects and symptoms.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance/preparation: Preparation

Chemical Name	CAS Number	% By Weight
Wheat Flour	130498-22-5	41.51%
Water	7732-18-5	42.50%
Preservative (Potassium Sorbate)	590-00-1	0.40%
Sodium Chloride	7647-14-5	6.10%
Calcium Chloride	10043-52-4	6.10%
White Petrolatum	8012-95-1	2.90%
Pigment	See table below	0.40%
Essence (Vanilla Extract)	8024-06-4	0.09%
Total		100%

FOSHAN MASTER TOYS CO., LTD.

Pigment Data

Dough Color	Pigment	Cas No.	Percentage
Red	Allura Red	25956-17-6	0.40%
Orange	Allura Red	25956-17-6	0.30%
	Pigment Yellow 12	6358-85-6	0.10%
Yellow	Pigment Yellow 12	6358-85-6	0.4%
Purple	A-19 Blue	147-14-8	0.20%
	Allura Red	25956-17-6	0.20%
Blue	A-19 Blue	147-14-8	0.32%
	Titanium White Powder	13463-67-7	0.08%
Green	A-19 Blue	147-14-8	0.25%
	Pigment Yellow 12	6358-85-6	0.15%

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance/preparation: Preparation

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

[1] Substance classified with health or environmental hazard

[2] Substance with a workplace exposure limit

[3] PBT-substance

[4] 1vPvB-substance

Occupational exposure limits, if available, are listed in section 8.

4. FIRST AID MEASURES

First aid measures

Inhalation: Move exposed person to fresh air. Keep the person warm and at rest. If no breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Obtain medical attention if symptoms occur.

Ingestion: Wash out mouth with water. Move exposed person to fresh air. Keep the person warm and at rest. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Obtain medical attention if symptoms occur.

Skin contact: Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Obtain medical attention if symptoms occur.

Eye Contact: Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention if irritation occurs.

Protection of first-aiders: No action shall be taken involving any personal risk or without suitable training.

Notes to physicians: No specific treatment. Treat symptomatically. Contact poison treatment specialist immediately, if large quantities have been digested or inhaled.

See section 11 for more detailed information on health effects and symptoms.

5. FIRE-FIGHTING MEASURES

Extinguishing media

Suitable: Use an extinguishing agent suitable for the surrounding fire.

Not suitable: Not known.

Special exposure hazards: No specific fire or explosion hazard. Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

5. FIRE-FIGHTING MEASURES

Hazardous thermal decomposition products: Decomposition products may include the following materials:

Carbon dioxide

Carbon monoxide

Halogenated compounds

Metal oxide/oxides

Special protective equipment for fire-fighters: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment (see section 8).

Environmental precautions: Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Methods for cleaning up

Small spill: Move containers from spill area. Vacuum or sweep up material and place in a designated, labelled waste container. Dispose of via a licensed waste disposal contractor.

Large spill: Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Vacuum or sweep up material and place in a designated, labelled waste container. Dispose of via a licensed waste disposal contractor. Note: see section 1 for emergency contact information and section 13 for waste disposal.

7. HANDLING AND STORAGE

Handling: Put on appropriate personal protective equipment (see section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking.

Storage: Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

Packaging materials

Recommended: Use original container.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Recommended monitoring procedures: If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to European Standard EN 689 for methods for the assessment of exposure by inhalation to chemical agents and national guidance documents for methods for the determination of hazardous substances.

Exposure controls

Occupational exposure controls: No special ventilation requirements. Good general ventilation should be sufficient to control worker exposure to airborne contaminants. If this product contains ingredients with exposure limits, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure below any recommended or statutory limits.

Hygiene measures: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Respiratory protection: Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

Hand protection: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

Eye protection: Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists or dusts.

Skin protection: Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Environmental exposure controls: Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

9. PHYSICAL AND CHEMICAL PROPERTIES

General information

Appearance

Physical State: Solid

Color: Red, Brown, White, Orange, Green, Blue, Yellow, Pink, Black, Light Blue, Light Green, Purple

10. STABILITY AND REACTIVITY

Chemical stability: The product is stable.

Possibility of hazardous reactions: Under normal conditions of storage and use, hazardous reactions will not occur.

Conditions to avoid: No specific data.

Materials to avoid: No specific data.

Hazardous decomposition products: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

11. TOXICOLOGICAL INFORMATION

Toxicokinetics

Absorption: Not available.

Distribution: Contains material which causes damage to the following organs: upper respiratory tract, skin, eye, lens or cornea, stomach.

Metabolism: Not available.

Elimination: Not available.

Potential acute health effects

Inhalation: No known significant effects or critical hazards.

Ingestion: No known significant effects or critical hazards.

Skin contact: No known significant effects or critical hazards.

Eye contact: No known significant effects or critical hazards.

Acute toxicity

Product/ingredient name: Calcium chloride

Result	Species	Dose	Exposure
LD50	Rat	25 mg/kg	--
Intramuscular LD50	Rat	264 mg/kg	--
Intraperitoneal LD50 Oral	Rat	1 gm/kg	--
LD50	Rat	2630 mg/kg	--
Subcutaneous LDLo	Rat	161 mg/kg	--
Intravenous TDLo	Rat	300 mg/kg	--
Intravenous TDLo Parenteral	Rat	200 ug/kg	--

11. TOXICOLOGICAL INFORMATION

Conclusion Summary: Not available.

Potential chronic health effects

chronic toxicity

Conclusion/Summary: Not available.

Irritation Corrosion

Conclusion/Summary: Not available.

Sensitizer

Conclusion/Summary: Not available.

Carcinogenicity

Conclusion/Summary: Not available.

Mutagenicity Conclusion/Summary:

Not available. **Teratogenicity**

Conclusion/Summary: Not available.

Reproductive toxicity

Conclusion/Summary: Not available.

Chronic effects: No known significant effects or critical hazards.

Carcinogenicity: No known significant effects or critical hazards.

Mutagenicity: No known significant effects or critical hazards.

Teratogenicity: No known significant effects or critical hazards.

Developmental effects: No known significant effects or critical hazards.

Fertility effects: No known significant effects or critical hazards.

Over-exposure signs/symptoms

Inhalation: No specific data.

Ingestion: No specific data.

Skin: No specific data.

Eyes: No specific data.

12. ECOLOGICAL INFORMATION

Environmental effects: No known significant effects or critical hazards.

Aquatic ecotoxicity

Product / ingredient name: calcium chloride			
Test	Result	Species	Exposure
	Acute EC50 7000000 to 9242000 ug/L Fresh water	Crustaceans -Cyclops copepod- Cyclops abyssorum prealpinus - Adult -0.62 mm	48 hours

12. ECOLOGICAL INFORMATION

Aquatic ecotoxicity

Product / ingredient name: calcium chloride			
Test	Result	Species	Exposure
	Acute EC50 4000000 to 5455000 ug/L Fresh water	Crustaceans -Calanoid copepod- Eudiaptomus padanus padanus - Adult - 0.43 mm	48 hours
	Acute EC50 464000 ug/L Fresh water	Daphnia - Water flea - Daphnia magna - 12 hours	48 hours
	Acute EC50 52000 ug/L Fresh water	Daphnia – Water flea – Daphnia magna - 12 hours	48 hours
	Acute LC50 9500000 ug/L Fresh water	Fish - Bluegill - Lepomis macrochirus - 3.88 cm - 0.96 g	96 hours
	Acute LC50 13400000 ug/L Fresh water	Fish –Western mosquitofish - Gambusia affinis ·Adult	96 hours
	Acute LC50 4630000 to 5360000 ug/L Fresh water	Fish - Fathead minnow - Pimephales promelas - 1 to 7 days	96 hours
	Acute LC50 11300000 ug/L Fresh water	Fish - Bluegill - Lepomis macrochirus - 14.24 cm- 54.26 9	96 hours
	Acute LC50 3000000 to 3948000 ug/L Fresh water	Daphnia - Water flea - Daphnia hyalina -Adult - 1.27 mm	48 hours
	Acute LC50 2770000 to 3230000 ug/L Fresh water	Daphnia -Water flea – Daphnia magna- <24 hours	48 hours
	Acute LC50 1830000 to 2030000 ug/L Fresh water	Daphnia - Water flea- Ceriodaphnia dubia - <24 hours	48 hours
	Acute LC50 759000 ug/L Fresh water	Daphnia - Water flea – Daphnia magna	48 hours
	Acute LC50 10650000 ug/L Fresh water	Fish - Bluegill - Lepomis macrochirus - 5 to 9 cm - 1 to 9 g	96 hours
	Acute LC50 >100 ppm Fresh water	Fish - Rainbow trout,donaldson trout• Oncorhynchus mykiss	96 hours

12. ECOLOGICAL INFORMATION

Conclusion/Summary: Not available.

Biodegradability

Conclusion/Summary: Not available.

Other adverse effects: No known significant effects or critical hazards.

PBT: Not available.

vPvB: Not available.

13. DISPOSAL CONSIDERATIONS

Methods of disposal: The generation of waste should be avoided or minimized wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe way. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

Hazardous waste: Within the present knowledge of the supplier, this product is not regarded as hazardous waste, as defined by EU Directive 91/689/EEC.

14. TRANSPORT INFORMATION

International transport regulations

Regulatory information	UN number	Proper shipping name	Classes	PG*	Label	Additional Information
ADR/RID Class	Not available.	Not available.	Not available.	-		-
ADNR Class	Not available.	Not available.	Not available.	-		-
IMDG Class	Not available.	Not available.	Not available.	-		-
IATA Class	Not available.	Not available.	Not available.	-		-

PG*: Packing group

15. REGULATORY INFORMATION

Chemical Safety: This product contains substances for which Chemical Safety Assessments are still required.

Assessment

EU regulations

Classification and labeling have been determined according to EU Directives 67/548/EEC and CLP1272/2008 (Including amendments) and take into account the intended product use.

Risk phrases: This product is not classified according to EU legislation.

Product use: Consumer applications.

Europe inventory: Not determined.

15. REGULATORY INFORMATION

Black List Chemicals: Not listed.

Priority List Chemicals: Not listed.

Integrated pollution prevention and control list (II PPC) -Air: Not listed

Integrated pollution prevention and control list (IPPC)-Water: Not listed

Prior Informed Consent. List of chemicals subject to the international PIC procedure (Part I,II,III): Not listed

Other EU regulations

Additional warning phrases: Safety data sheet available for professional user on request.

International regulations

Chemical Weapons Convention: Not listed

List Schedule I Chemicals

Chemical Weapons Convention: Not listed

List Schedule II Chemicals

Chemical Weapons Convention: Not listed

List Schedule III Chemicals

16. OTHER INFORMATION

Full text of R-phrases referred to in sections 2 and 3 - United Kingdom (UK): R36-Irritating to eyes.

Full text of classifications referred to in sections 2 and 3 - United Kingdom (UK): Xi-Irritant

Restrictions on use

Uses

None identified.

History

Date of printing: 21/02/2024.

Date of Issue/ Date of revision: 06/05/2025.

Date of previous Issue: No previous validation.

Version: 2

Prepared by: Not available.

▼ Indicates information that has changed from previously issued version.

Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.