



Material Safety Data Sheet (MSDS) 化學品安全技術說明書

1. Identification of the substance and Company

Chinese Chemical name: 長頸鹿牌水性手掃漆

English Chemical name: Giraffe Waterborne Brushing Lacquer

Company name: The China Paint Mfg. Co., (Shenzhen) Ltd.

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Company urgent telephone No.: 8008305712

Technical specification code: SPB-001

Effective Date: 2012.3.19

Emergency telephone No.: 119

Recommend Purpose: Interior wood product

2. Brief introduction of hazards

Dangerous category: Non-dangerous product.

Invasion pathway: Swallowing and skin contact.

Health hazard: Swallow will be harmful.

Environment hazard: Water pollution

Explosion hazard: Non-flammable and non-explosive

3. Composition/information on ingredients

Chemical name: Waterborne Brushing Lacquer

Harmful ingredients:

Name	Content	CAS No.
Isothiazolinone	< 0.01%	26172-55-4
Propylene glycol	< 3%	57-55-6
N-Methyl-2-pyrrolidinone	< 1%	872-50-4



4. First aid measure

Skin contact: Wash with soap and water thoroughly.

Eye contact: Wash with water at least 10 minutes and consult doctor.

Inhalation: Move out quickly to breathe fresh air, keep warm and quiet.

Swallowing: Consult doctor at once when swallowing. Please keep quiet, and do not irritate to vomit. Drink milk or water if conscious.

In conclusion: Any doubt and symptom, please consult doctor at once.

5. Fire-fighting measure

Dangerous characteristics: Non-dangerous product. harmful substances can be produced by burning dry film under high temperature.

Harmful products of combustion: carbon monoxide, and carbon dioxide.

Fire extinguisher: foam, carbon dioxide, water or dry powder.

Fire-fighting Attention: Wear self-supporting respiratory apparatus, protective clothing, protective gloves and protective shoes.

6. Emergency handling of leakage

Emergency handling: **Non-dangerous** product. Avoid pouring to disposal sewage. For heavy leakage, Mix with non-flammable absorbent such as sand, mud, quartz, then hand over to local waste disposal station.

Elimination method: Hand over to waste disposal station to be burnt or imbedded.

7. Handling and storage

Handling attention: Keep ventilated.

Storage attention: Store up in cool & ventilated warehouse and close lid tightly. Avoid storing up under **too** low or high temperature.



8. Exposure control/personal protection

The maximum permitted concentration: Coating dust 10mg/m³

Detection method: Test the concentration of the harmful gases in the air with Gas Chromatograph.

Engineering control: Increase ventilation

Respiratory protection: Wear respiratory apparatus.

Eyes protection: Wear safety protective glasses.

Body protection: Wear anti-static clothing.

Hand protection: Wear protective gloves.

Other safeguard: Forbid eating and drinking at locale.

9. Physical and chemical properties

Appearance and character: Flowage liquor

pH: 8 - 9

Relative density: 1.0~1.5

Boiling point: 100°C

Flash point: Inapplicability (water-based)

Explosion upper limit: Inapplicability

Solubility: Inapplicability (water-based)

Explosion lower limit: Inapplicability

Ignition temperature: Fully miscible with water.

10. Stability and reactivity

Stability: It is Stable under normally operation and storage.

Substances to be avoided: Keep far away from oxidant, strong acid and strong alkali so as to avoid combustion reaction.

Decomposition: Can be broken up into smoke, carbon monoxide, carbon dioxide and nitrogen oxide.

11. Toxicological information

Acute toxicity: Not applicable



Skin irritation: It will make skin de-fat and dry if contact frequently, thus cause discomfort and dermatitis.

Eye irritation: Vapour will irritate eyes slightly.

Breathing: Vapour will irritate mucosa slightly.

Mutability of germ cell: No data

Carcinogenicity: No data

Reproduction Toxicity: No data

12. Ecological information

Ecological toxicity: No data

Durability and biodegradability: No data

Potential bioaccumulation: No data

Mobility in soil: No data

13. Disposal considerations

Castoff: Non-dangerous liquor offal.

Disposal method: Avoid pouring to disposal sewage.

14. Transport information

Transportation attention: Make workman know how to deal with leakage. (Refer to the sixth part.)

15. Regulatory information

National regulations:

The state department has announced the “Dangerous chemical goods safety management regulations” on 1987 February 17th, with specific concerns over the regulations of safety production, handling, storage, transportation, and loading/unloading. Relevant standards are: 《GBT 16483-2008 Safety data sheet for chemical products content and order of sections》, GB13690-2009:



“Classification and labels of dangerous chemical substances commonly used”; TJ36-1979;
“Sanitary standard for the design of industrial enterprise”;
GB6514-2008: “Safety code for painting--Safety, ventilation and air clean-up for painting process”;
GB7691-2003: “Safety code for painting--Safety management general rule”;
GB/T11651-2008: “Selection rules of articles for labour protection use”;
GB24410-2009: “Indoor decorating and refurbishing materials-limit of harmful substances of water based woodenware coatings”;

16. Other information

Literature for reference:

1. “Chemicals toxicological regulations and environmental data handbook”, written by the National Environmental Agency’s toxic chemicals management office, and the Beijing Chemical Research Institute. Chinese Environmental Science Press 1992.
2. “Dangerous chemicals safety technology manual”, by Zhou Kuo-tai. Chemical Industry Press 1997.
3. “International chemicals safety handbook”. Chemical Industry Press 1995.
4. “Solvents handbook”. Chemical Industry Press 1994.

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