

MATERIAL SAFETY DATA SHEET

1. Product and Supplier Identification

Product Name : METHYLATED MELAMINE FORMALDEHYDE RESIN

GHS Product Identifier : MR-603

Recommended Use and Restrictions on Use : Coating

Manufacturer & Supplier Name 、 Address and Telephone :

NAME : CHANG CHUN PLASTICS CO., LTD.

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2. Hazards Identification

Hazard Classification : Skin sensitization

Warning Information :

GHS Label : Health Hazard



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Signal Word : Warning

Hazard Statement : Cause skin irritation.

Precautionary Statement : Take off immediately all contaminated clothing.

Avoid contact with skin and eyes.

Wear suitable gloves.

Other Hazards : ND

3. Composition

Substances :

Product name : Methylated Melamine Formaldehyde Resin

Synonyms : MR-603

CAS number : 68002-20-0

Hazardous ingredient : formaldehyde < 0.5%

4. First Aid Measures

First-aid measures for different exposure routes :

Inhalation : Move affected person to fresh air, and promptly seek medical attention.

Skin Contact : Wash off immediately with plenty of soap and water. Take all contaminated clothing off immediately. Seek medical advice attention.

Eye Contact : Immediately flush with large quantities of clean water for at least 15 minutes and call a physician.

Ingestion : Do not induce vomiting. In actual or suspected cases of ingestion, transport to medical facility immediately.

Most important symptoms and hazardous effects : ND

Protection of First-aiders : Use rubber gloves , glass , mask.

Notes to Physician : Monitor arterial blood gases and methanol levels after significant ingestion.

5. Fire Fighting Measures

Extinguishing Media : Powder 、CO2 、Foam 、Water mist (only large amounts)

Fire and Explosion Hazards : ND

Special Firefighting Procedures : ND

Special Equipment for the Protection of Firefighters : Use a positive-pressure self-contained breathing apparatus. and full protective clothing for chemicals.

6. Accidental Release Measures

Personal Precautions : Clean-up personnel should wear protective clothing and equipment to prevent inhalation of vapor and skin and eye content.

Environmental Precaution : This material should be kept out of sewage and drainage systems and all bodies of water. Clean up releases as soon as possible, observing precautions in the Personal precautions in this section.

Methods for Cleaning Up : Absorb materials with any commercial waste absorbent.

Dike large spills and place materials in salvage containers.

Consult an expert on the disposal of recovered materials.

7. Handling and Storage

Handling : Avoid contact with eyes 、skin or clothing.

Do not breathe in the vapor.

Wash thoroughly after handling.

Keep away from heat. Keep away from sources of ignition – No smoking.

Storage : Store away form all source of flame and heat.

Avoid contact with oxidizing agents, strong alkalis and acids.

Keep container closed and store in cool area.

8. Exposure Controls, Personal Protection

Control parameters :

8 hours time weighted average exposure limits TWA	Short-term exposure limits STEL	Maximum exposure limits CEILING	Biological standards
ND	ND	ND	ND

Biological beacon : ND

Personal protective equipment :

Respiratory protection : Use an approved air-purifying respirator.

Hand protection : Chemical resistant gloves. (Butyl rubber , Polyvinyl alcohol)

Eye protection : Safety glasses with shields.

Skin and body protection : To prevent skin contact wear skin protection, such as gloves, workpants, long sleeve work shirt, or disposable.

Specific hygiene measures : Wash hand before eating and drinking.

9. Physical and Chemical Properties

Appearance : Transparent clear liquid

Odor : Characteristic

Odor threshold : ND

Melting point : ND

pH : ND

Boiling point / Boiling Range : ND

Flammability : ND

Flash point & method : >100°C

Decomposition temperature : ND

Used : CLOSED CUP

Autoignition temperature : ND

Explosion limits : ND

Vapor pressure : ND

Vapor density : ND

Density : 1.15~1.25 (25°C)

Solubility : Water insoluble

Partition coefficient n-octanol/water : ND

Evaporation rate : ND

10. Stability and Reactivity

Stability : Stable

Possible Hazardous Reactions Occurring under Specific Condition : ND

Conditions to Avoid : Heat and flame.

Material to Avoid : Strong oxidizing agents, strong alkalies and strong acids.

Hazardous Decomposition Products : Possibly hazardous short term degradation products are not likely.

However, long term degradation products may arise.

11. Toxicological Information

Routes of exposure (inhalation, ingestion, skin and eye contact) : May cause eye irritation.

Symptoms : ND

Acute toxicity : ND

Chronic Toxicity or delayed Toxicity : ND

12. Ecological Information

Ecotoxicity : ND

Persistence and degradability : ND

Bioaccumulative potential : ND

Mobility in soil : ND

Other adverse effect : Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. The ecological assessment for this material is based on an evaluation of its components.

13. Disposal Considerations

Recommended Methods for Safe and Environmentally Preferred Disposal :

Disposal must be made in accordance with applicable governmental regulation.

14. Transport Information

UN number : Not applicable

UN proper shipping name : Not applicable

Transport hazard class : Not applicable

Packing pollution : Not applicable

Marine pollution : NO

Specific precautionary transport measure and conditions : ND

15. Regulatory Information

Applicable Regulations :

INVENTORY INFORMATION:

US TSCA: All components of this product are included on the TSCA Inventory in compliance with the Toxic Substances Control Act, 15 U. S. C. 2601 et. seq. This product contains a chemical substance that is subject to export notification under Section 12 (b) of the Toxic Substances Control Act, 15 U. S. C. 2601 et. seq. (This requirement applies to exports from the United States only.)

CANADA DSL: Components of this product have been reported to Environment Canada in accordance with

subsection 25 of the Canadian Environmental Protection Act and are included on the Domestic Substances List.

EEC EINECS: All components of this product are included in the European Inventory of Existing Chemical Substances (EINECS) or are polymers of which the components are in EINECS, in compliance with Council Directive 67/548/EEC and its amendments.

16. Other Information

Literature references : 1. CHEMINFO database, CCINFO CD, 2005-2
2. RTECS database, TOMES PLUS CD, Vol.63, 2005
3. HSDB database, TOMES PLUS CD, Vol.63, 2005
4. ChemWatch database, 2004-4

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Original Preparation Date : Jan. 15, 2013

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