



SAFETY DATA SHEET

FMPMMOP01468 MB PMM OP UV 01468

Date of issue 31/03/2006

Revision EN 1.000 of 31/03/2006

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

1.1 Identification of the substance or preparation:

Product name: MB PMM OP UV 01468

Code: FMPMMOP01468

1.2. Use of the substance/preparation:

*Intended or recommended uses: plastic materials

*Sector of use:preparation for the plastic industry

1.3. Company/undertaking identification:

COLOR SYSTEM SPA

VIA S. QUASIMODO, 3

20025 LEGNANO MI

ITALIA

Tel. 0331577607

Fax. 0331464248

e-mail: tecnico@color-system.it

1.4. Emergency telephone: 0331577607

*2. COMPOSITION/INFORMATION ON INGREDIENTS:

*Chemical characterization: pigments preparation and/or dyes and/or additives incorporated in plastic material

Carrier:acrylic

*Substances presenting a health or environmental hazard within the meaning of Directive 67/548/EEC, or substances for which there are Community workplace exposure limits.

2-(2H-benzotriazol-2-yl)-p-cresol

Concentration $\geq 1,0\%$ - $\leq 1,4\%$

N.CE: 219-470-5 N.CAS: 2440-22-4

XI; R43; R53

*3. HAZARDS IDENTIFICATION:

*3.1 Substance/Preparation Classification:

The preparation is classified as dangerous according to the provisions given in directives 67/548/CEE and 1999/45/CE and later amendments. The preparation requires a safety data sheet in conformity with the information given in directive 91/155/CE and later amendments.

*Classification:

R43

*3.2 Danger Identification:

No specific danger can be found during the normal use in the shape in which it is put in commerce.

The product is made of polymeric material carrier and of components encapsulated in it.

In any case the usual industrial sanitary measures for handling of chemical products must be taken for avoiding the skin, eyes and breathing organs contact.

Negative effects for health: see also sections 4 and 11.

*4. FIRST AID MEASURES

*Skin contact:

The product doesn't need particular precautions. Wash your hands after having worked with the product.

*Eye contact:



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Urge the patient not to rub the eyes. Wash immediately and thoroughly with running water, with the eyes open, for at least 10 minutes; then protect the eyes with dry sterile gauze or a clean, dry handkerchief. If necessary to resort to specialist cures.

***Ingestion:**

In case of ingestion do not induce vomiting, consult a doctor. Rinse the mouth with water (only if the patient is conscious).

***Inhalation:**

The risk is reduced as the product solid. In case of inhalation remove the patient from the contaminated environment and ensure that (s)he rests in a well-aired environment. In case of indisposition consult a doctor.

*5. FIRE-FIGHTING MEASURES

***Suitable extinguishing media:**

Means of extinction are the traditional ones, such as sprayed water, CO₂, foams or powder extinguishers.

***Unsuitable extinguishing media:**

Full jet of water.

***Risks from combustion:**

Combustion can cause the formation of carbon monoxide, nitrous oxides, typical fumes of the polymeric carrier and gases potentially dangerous to health. Avoid breathing the fumes.

***Equipment:**

Protection for the respiratory tract (breathing apparatus) must be worn.

Avoid that the extinction liquids flow down towards drains or watercourses.

*6. ACCIDENTAL RELEASE MEASURES

(see headings 8 and 13)

***Personal precautions:**

Wear gloves and suitable overalls.

Sliding danger caused by the product which has been spilled.

***Environmental precautions:**

Remove every flame source or sparks.

Avoid contamination of the soil, sewers and water

If the product reaches a water course or drainage system or contaminates the soil or vegetation, notify the significant authorities.

***Methods for cleaning:**

Clean up by mechanical means and recycling or dispose of as point 13. Sweep the granulates up immediately to avoid possible falls.

*7. HANDLING AND STORAGE

***7.1. Handling:**

Use gloves and suitable protective clothes according to the laws in force.

It may be necessary a local aspiration in particular during the emptying of the containers.

Do not eat neither drink during the work.

***Incompatible materials:**

No specific notes. See also paragraph 10 below.

***7.2. Storage:**

Store in well-aired places.

Avoid the powder formation.

Avoid the accumulation of electrostatic charges.



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***Rooms indications:**
Adequately aired rooms.

*8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Exposure limit values

*Exposure limits for substances contained:

8.2. Exposure controls

*8.2.1 Professional exposure control.

(see also section 7.1)

Personal protective equipment vary according to possible exposure and the relative danger of working conditions. Check for presence of residual risks strictly linked to the conditions of the place of work.

Air the rooms where the product is stocked and/or handled.

In case a personal protection is needed follow the directions of the Directive 89/686/CEE relative to the individual precautions devices.

*8.2.1.1. Respiratory protection

Necessary in cases of insufficient aeration or prolonged exposure.

*8.2.1.2. Hand protection

We do suggest to use suitable gloves (leather gloves, PVC and others for example) for industrial sanitary reasons.

Suitable protective gloves are supplied by various producers. Take note of the glove-producer's information on permeability, minimum breakage time and other specific requirements to be adopted in the work place.

*8.2.1.3. Eye protection

Protective goggles. Observe normal safety precautions in handling chemical products to avoid eye contact.

*8.2.1.4. Skin protection

No particular precaution need be adopted for normal use. You are advised to use generic working clothing.

*8.2.2. Environmental exposure controls

Refer to relevant national and EC legislation.

*9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. General information

*Appearance:CYLINDRICAL GRANULES

*Physical state:SOLID

*Colour:WHITE

*Odour: ODOURLESS

9.2. Important health, safety and environmental information

*pH: ND

*Boiling point/boiling range: NA

*Flash point: NA

*Flammability (solid, gas): ND

*Explosive properties: ND

*Comburent properties: ND

*Water solubility: ND

*Fat solubility: ND

*Partition coefficient (n-octano/water): ND

*Viscosity: ND

Softening point:> 100 °C



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*10. STABILITY AND REACTIVITY

*10.1. Conditions to avoid:

Stable in normal usage conditions.

*10.2. Materials to avoid:

None of particular note that can cause dangerous reactions.

10.3. Hazardous decomposition products:

*11. TOXICOLOGICAL INFORMATION

No toxicological data are available on the compound.

*Specific health information on the substance/components of the compound:

. 2-(2H-benzotriazol-2-yl)-p-cresol

Acute Toxicity - Oral:

LD-50 >2000 mg/Kg (species rat).

Acute Skin Sensitisation:

sensitising (guinea pig) OECD 406/EEC B 6.

*12. ECOLOGICAL INFORMATION

Use this product according to good working practices, avoiding disposing of the product in the environment.

In case of contamination inform the competent Authorities.

The physical form of the product allows the mechanical separation in the flowing back waters treatment.

*12.1 dangerousness:

Other adverse effects:

*13. DISPOSAL CONSIDERATIONS

Salvage where possible. Send to authorised disposal plants or to a suitable thermal destruction unit in controlled conditions.

Operate according to current local and national provisions.

Packaging:

Untampered packaging can be reused; packaging that has not been decontaminated must be eliminated in the same manner as the goods contained.

*14. TRANSPORT INFORMATION

The material is not considered dangerous in terms of current provisions regarding the transport of dangerous goods by road (ADR), rail (RID), sea (IMDG code) and air (IATA).

*UN number: --

*Proper Shipping Name:

*RID/ADR Class: -- PG: --

*Hazard identification number: --

*Proper shipping name: --

*IATA-Class: -- PG: --

*IMDG-Class: -- PG: --

*15. REGULATORY INFORMATION

Danger labelling under regulations 67/548/CEE and 1999/45/CE and following amendments and adjustments:

*Hazard symbol:

XI

*-R- phrases:



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R43: May cause sensitisation by skin contact.

*S- phrases:

S22: Do not breathe dust.

S24: Avoid contact with skin.

S37: Wear suitable gloves.

*Contains:

2-(2H-benzotriazol-2-yl)-p-cresol

Where applicable please refer to the following rules:

-Directive 96/85/EC.

-Directive 76/769/EC.

-Directive 89/391/EEC.

*16. OTHER INFORMATION

*Full text of -R- phrases referred to under headings 2 and 3 of the safety data sheet:

R43: May cause sensitisation by skin contact.

R53: May cause long-term adverse effects in the aquatic environment.

Exemptions for the labelling

Also in the case in which the data sheet contains a danger symbology or probable risk phrases, the manufacturer is not obliged to quote the same information on the bags on the basis of the below mentioned directive:

Directive 2001/59/EC of the commission of the 6th of august 2001 - Annex VI part 9.3 (acknowledged in Italy with the Decree of the Ministry of the health of the 14 june 2002).

*The present Data Sheet has been written in conformity with the Directive 91/155/CEE and following amendments (including the Directive 2001/58/CE)

GENERAL BIBLIOGRAPHY:

- Regulation 1999/45/CE and following amendments.

- Regulation 67/548/CEE and following amendments and adjustments (technical adjustment XXVIII).

- Regulation 91/155/CEE and following amendments.

- ACGIH - Threshold Limit Values year 2000.

- Directive 76/769/EEC and following amendments and adjustments.

- NIOSH-National Institute for Occupational Safety and Health USA.

- HSDB-Hazardous Substances Data Bank.

(*) It indicates information which has been modified.

- N.A.= not applicable; N.D.= not determinate.

This information is based on our present knowledge and is intended to describe our product with regards to safety requirements. Users must verify the suitability and thoroughness of provided information according to each specific use of the product. This document must not be regarded as a guarantee on any specific product property. The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations. The producer is relieved from any liability arising from improper uses.