

Safety data sheet according to 1907/2006/EC, Article 31

Printing date 04.05.2011

Revision: 04.01.2011

1 Identification of the substance/mixture and of the company/undertaking

For professional use only

- **Product identifier**
- **Trade name:** M99 Cellulose Colour
- **Article number:** 830
- **Relevant identified uses of the substance or mixture and uses advised against**
- **Application of the substance / the preparation**
Coating compound/ Surface coating/ paint
Surface Coating
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
HMG PAINTS LTD. RIVERSIDE WORKS, COLLYHURST RD,
COLLYHURST, MANCHESTER, M40 7RU.
TEL 0161 205 7631
- **Further information obtainable from:** LABORATORY
- **Emergency telephone number:** scrossman@hmgpaint.com

2 Hazards identification

- **Classification of the substance or mixture**
- **Classification according to Directive 67/548/EEC or Directive 1999/45/EC**



Xn; Harmful

R20/21-48/20-63-65: Harmful by inhalation and in contact with skin. Harmful: danger of serious damage to health by prolonged exposure through inhalation. Possible risk of harm to the unborn child. Harmful: may cause lung damage if swallowed.



Xi; Irritant

R36/38: Irritating to eyes and skin.



F; Highly flammable

R11: Highly flammable.

- **Information concerning particular hazards for human and environment:**

The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

- **Classification system:**

The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

1330-20-7	Xylene (mix)
108-88-3	toluene
67-63-0	propan-2-ol
78-93-3	methyl ethyl ketone
100-41-4	ethylbenzene

- **Label elements**

- **Labelling according to EU guidelines:**

The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials.

- **Code letter and hazard designation of product:**

Xn Harmful

F Highly flammable

(Contd. on page 2)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 04.05.2011

Revision: 04.01.2011

Trade name: M99 Cellulose Colour

(Contd. of page 1)

· Hazard-determining components of labelling:

toluene

Xylene (mix)

· Risk phrases:

11 Highly flammable.

20/21 Harmful by inhalation and in contact with skin.

36/38 Irritating to eyes and skin.

48/20 Harmful: danger of serious damage to health by prolonged exposure through inhalation.

63 Possible risk of harm to the unborn child.

65 Harmful: may cause lung damage if swallowed.

· Safety phrases:

7/9 Keep container tightly closed and in a well-ventilated place.

16 Keep away from sources of ignition - No smoking.

23 Do not breathe fumes/vapour/spray

25 Avoid contact with eyes.
















36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

60 This material and its container must be disposed of as hazardous waste.

· Other hazards**· Results of PBT and vPvB assessment****· PBT:** Not applicable.**· vPvB:** Not applicable.

3 Composition/information on ingredients

· Chemical characterization: Mixtures**· Description:** Mixture of substances listed below with nonhazardous additions.**· Dangerous components:**

CAS: 1330-20-7 EINECS: 215-535-7	Xylene (mix)  Xn R20/21;  Xi R38 R10	10-25%
CAS: 108-88-3 EINECS: 203-625-9	toluene  Xn R48/20-63-65;  Xi R38;  F R11 R67 Repr. Cat. 3	10-25%
CAS: 9004-70-0	Nitrocellulose (12.3% N)  F R11	2.5-10%
CAS: 67-63-0 EINECS: 200-661-7	propan-2-ol  Xi R36;  F R11 R67	2.5-10%
CAS: 108-65-6 EINECS: 203-603-9	2-methoxy-1-methylethyl acetate  Xi R36 R10	2.5-10%
CAS: 78-93-3 EINECS: 201-159-0	methyl ethyl ketone  Xi R36;  F R11 R66-67	2.5-10%
CAS: 123-86-4 EINECS: 204-658-1	Butyl ethanoate R10-66-67	≤ 2.5%
CAS: 100-41-4 EINECS: 202-849-4	ethylbenzene  Xn R20;  F R11	≤ 2.5%
CAS: 67-64-1 EINECS: 200-662-2	propan-2-one  Xi R36;  F R11 R66-67	≤ 2.5%

(Contd. on page 3)

Safety data sheet


according to 1907/2006/EC, Article 31

Printing date 04.05.2011

Revision: 04.01.2011

Trade name: M99 Cellulose Colour

(Contd. of page 2)

CAS: 107-98-2 EINECS: 203-539-1	1-methoxy-2-propanol R10	≤ 2.5%
CAS: 78-83-1 EINECS: 201-148-0	butanol  Xi R37/38-41 R10-67	≤ 2.5%

· **Additional information:** For the wording of the listed risk phrases refer to section 16.

4 First aid measures

- **Description of first aid measures**
- **General information:**
Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.
- **After inhalation:**
Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.
In case of unconsciousness place patient stably in side position for transportation.
- **After skin contact:** Immediately wash with water and soap and rinse thoroughly.
- **After eye contact:**
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing:** If symptoms persist consult doctor.
- **Information for doctor:**
- **Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

5 Firefighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:**
CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **Special hazards arising from the substance or mixture** No further relevant information available.
- **Advice for firefighters**
- **Protective equipment:** Mount respiratory protective device.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**
Wear protective equipment. Keep unprotected persons away.
- **Environmental precautions:**
Prevent seepage into sewage system, workpits and cellars.
Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose contaminated material as waste according to item 13.
Ensure adequate ventilation.
- **Reference to other sections**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

GB

(Contd. on page 4)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 04.05.2011

Revision: 04.01.2011

Trade name: M99 Cellulose Colour

(Contd. of page 3)

7 Handling and storage

- **Handling:**
- **Precautions for safe handling**
Keep receptacles tightly sealed.
Ensure good ventilation/extraction at the workplace.
Prevent formation of aerosols.
- **Information about fire - and explosion protection:**
Keep ignition sources away - Do not smoke.
Protect against electrostatic charges.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** Store in a cool location.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:**
Keep receptacle tightly sealed.
Store in cool, dry conditions in well sealed receptacles.
- **Specific end use(s)** No further relevant information available.

8 Exposure controls/personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.
- **Control parameters**

· **Ingredients with limit values that require monitoring at the workplace:**

1330-20-7 Xylene (mix)

WEL Short-term value: 441 mg/m³, 100 ppm
Long-term value: 220 mg/m³, 50 ppm
Sk; BMGV

108-88-3 toluene

WEL Short-term value: 384 mg/m³, 100 ppm
Long-term value: 191 mg/m³, 50 ppm
Sk

67-63-0 propan-2-ol

WEL Short-term value: 1250 mg/m³, 500 ppm
Long-term value: 999 mg/m³, 400 ppm

108-65-6 2-methoxy-1-methylethyl acetate

WEL Short-term value: 548 mg/m³, 100 ppm
Long-term value: 274 mg/m³, 50 ppm
Sk

78-93-3 methyl ethyl ketone

WEL Short-term value: 899 mg/m³, 300 ppm
Long-term value: 600 mg/m³, 200 ppm
Sk

123-86-4 Butyl ethanoate

WEL Short-term value: 966 mg/m³, 200 ppm
Long-term value: 724 mg/m³, 150 ppm

100-41-4 ethylbenzene

WEL Short-term value: 552 mg/m³, 125 ppm
Long-term value: 441 mg/m³, 100 ppm

(Contd. on page 5)

GB

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 04.05.2011

Revision: 04.01.2011

Trade name: M99 Cellulose Colour

(Contd. of page 4)

67-64-1 propan-2-one

WEL Short-term value: 3620 mg/m³, 1500 ppm
Long-term value: 1210 mg/m³, 500 ppm

107-98-2 1-methoxy-2-propanol

WEL Short-term value: 560 mg/m³, 150 ppm
Long-term value: 375 mg/m³, 100 ppm
Sk

78-83-1 butanol

WEL Short-term value: 231 mg/m³, 75 ppm
Long-term value: 154 mg/m³, 50 ppm

· **Additional information:** The lists valid during the making were used as basis.

· **Exposure controls**

· **Personal protective equipment:**

· **General protective and hygienic measures:**

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work.

Avoid contact with the eyes and skin.

· **Respiratory protection:** When spraying the product, use a respiratory protective device.

· **Protection of hands:**

When skin exposure may occur, advice should be sought from the glove supplier on appropriate types and usage times for this product.



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

· **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

· **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· **Eye protection:**



Tightly sealed goggles

9 Physical and chemical properties

· **Information on basic physical and chemical properties**

· **General Information**

· **Appearance:**

Form:

Fluid

Colour:

According to product specification

· **Odour:**

Characteristic

· **Odour threshold:**

Not determined.

(Contd. on page 6)

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 04.05.2011

Revision: 04.01.2011

Trade name: M99 Cellulose Colour

(Contd. of page 5)

· pH-value:	Not determined.
· Change in condition	
Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	82°C
· Flash point:	4°C
· Flammability (solid, gaseous):	Not applicable.
· Ignition temperature:	425°C
· Decomposition temperature:	Not determined.
· Self-igniting:	Product is not selfigniting.
· Danger of explosion:	Product is not explosive. However, formation of explosive air/vapour mixtures are possible.
· Explosion limits:	
Lower:	1.1 Vol %
Upper:	7.0 Vol %
· Vapour pressure at 20°C:	29 hPa
· Density at 20°C:	1.069 g/cm ³
· Relative density	Not determined.
· Vapour density	Not determined.
· Evaporation rate	Not determined.
· Solubility in / Miscibility with water:	NOT MISCIBLE
· Segregation coefficient (n-octanol/water):	Not determined.
· Viscosity:	
Dynamic:	Not determined.
Kinematic:	Not determined.
· Solvent content:	
Organic solvents:	55.3 %
Solids content:	44.7 %
· Other information	No further relevant information available.

10 Stability and reactivity

- **Reactivity**
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**

· **LD/LC50 values relevant for classification:**

1330-20-7 Xylene (mix)

Oral	LD50	8700 mg/kg (rat)
------	------	------------------

(Contd. on page 7)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 04.05.2011

Revision: 04.01.2011

Trade name: M99 Cellulose Colour

(Contd. of page 6)

Dermal	LD50	2000 mg/kg (rbt)
Inhalative	LC50/4 h	6350 mg/l (rat)
108-88-3 toluene		
Oral	LD50	5000 mg/kg (rat)
Dermal	LD50	12124 mg/kg (rab)
Inhalative	LC50/4 h	5320 mg/l (mus)

- **Primary irritant effect:**
- **on the skin:** Irritant to skin and mucous membranes.
- **on the eye:** Irritating effect.
- **Sensitization:** No sensitizing effects known.
- **Additional toxicological information:**
The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:
Harmful
Irritant

12 Ecological information

- **Toxicity**
- **Acquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.
- **Behaviour in environmental systems:**
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Additional ecological information:**
- **General notes:**
Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water
Do not allow product to reach ground water, water course or sewage system.
Danger to drinking water if even small quantities leak into the ground.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

13 Disposal considerations

- **Waste treatment methods**
- **Recommendation**
Must not be disposed together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

14 Transport information

- **Land transport ADR/RID (cross-border)**



- **ADR/RID class:** 3 Flammable liquids.
- **Danger code (Kemler):** 33
- **UN-Number:** 1263

(Contd. on page 8)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 04.05.2011

Revision: 04.01.2011

Trade name: M99 Cellulose Colour

(Contd. of page 7)

- **Packaging group:** II
- **Hazard label** 3
- **UN proper shipping name:** 1263 PAINT (vapor pressure at 50°C at most 110 kPa)
- **Tunnel restriction code** D/E

· **Maritime transport IMDG:**



- **IMDG Class:** 3
- **UN Number:** 1263
- **Label** 3
- **Packaging group:** II
- **EMS Number:** F-E, S-E
- **Marine pollutant:** No
- **Proper shipping name:** PAINT

· **Air transport ICAO-TI and IATA-DGR:**



- **ICAO/IATA Class:** 3
- **UN/ID Number:** 1263
- **Label** 3
- **Packaging group:** II
- **Proper shipping name:** PAINT

- **Special precautions for user** Warning: Flammable liquids.
- **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code** Not applicable.

15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **National regulations:**
- **Technical instructions (air):**

Class	Share in %
NK	59.0

- **Waterhazard class:** Water hazard class 2 (Self-assessment): hazardous for water.
- **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Relevant phrases**
 - R10 Flammable.
 - R11 Highly flammable.
 - R20 Harmful by inhalation.
 - R20/21 Harmful by inhalation and in contact with skin.
 - R36 Irritating to eyes.
 - R37/38 Irritating to respiratory system and skin.
 - R38 Irritating to skin.

(Contd. on page 9)

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 04.05.2011

Revision: 04.01.2011

Trade name: M99 Cellulose Colour

(Contd. of page 8)

*R41 Risk of serious damage to eyes.**R48/20 Harmful: danger of serious damage to health by prolonged exposure through inhalation.**R63 Possible risk of harm to the unborn child.**R65 Harmful: may cause lung damage if swallowed.**R66 Repeated exposure may cause skin dryness or cracking.**R67 Vapours may cause drowsiness and dizziness.**· Department issuing MSDS: Product safety department: LABORATORY**· Contact: Health & Safety Officer*

GB