



**HMG Coatings (South) Ltd**  
 Faraday Park  
 West Portway Ind Est  
 Andover  
 Hants  
 SP10 3SA  
**Tel:** 01264 356296  
**Fax:** 01264 338123

## PRODUCT NAME

**Synergy® Paints UB25**

MATERIAL SAFETY DATASHEET

## 1 Identification Of The Substance/Preparation And Of The Company/Undertaking

**Product:** Synergy® Paints UB25

**Limitations of Use:** For Professional use only.

**Product No:** 5896

**Company:**

**HMG COATINGS SOUTH LTD**

Faraday Park

West Portway Ind Est

Andover

Hants

SP10 3SA

**Telephone:** 01264 356296

**Fax:** 01264 338123

**Web:** www.hmgcoatings.com

## 2 Hazards identification

### · Hazard description:



Xn Harmful

### 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.

R 10 Flammable.

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

R 38 Irritating to skin.

R 52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

### Classification system:

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

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

## 3 Composition/Information On Ingredients

### Chemical characterization

**Description:** Mixture of substances listed below with nonhazardous additions.

CAS: 1330-20-7 EINECS: 215-535-7	Xylene (mix) Xn,  Xi; R 10-20/21-38	10-25%
CAS: 123-86-4 EINECS: 204-658-1	Butyl ethanoate R 10-66-67	10-25%
CAS: 108-65-6 EINECS: 203-603-9	2-methoxy-1-methylethyl acetate Xi; R 10-36	2.5-10%
CAS: 95-63-6 EINECS: 202-436-9	1,2,4-trimethylbenzene Xn,  Xi,  N; R 10-20-36/37/38-51/53	≤2.5%
CAS: 64742-95-6 EINECS: 265-199-0	Solvent naphtha (petroleum), light arom. Xn; R 65	≤2.5%



**HMG Coatings (South) Ltd**  
 Faraday Park  
 West Portway Ind Est  
 Andover  
 Hants  
 SP10 3SA  
 Tel: 01264 356296  
 Fax: 01264 338123

## PRODUCT NAME

**Synergy® Paints UB25**

## MATERIAL SAFETY DATASHEET

CAS: 100-41-4 EINECS: 202-849-4	ethylbenzene Xn, F; R 11-20	≤2.5%
	Benzotriazole Derivative Mixture Xi, N; R 43-51/53	≤2.5%
CAS: 103-65-1 EINECS: 203-132-9	propylbenzene Xn, Xi, N; R 10-37-51/53-65	≤2.5%
CAS: 41556-26-7	bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate Xi, N; R 43-50/53	≤2.5%

## 4 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.

**After swallowing:** If symptoms persist consult doctor.

## 5 Fire-Fighting Measures

### Suitable extinguishing agents:

CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

**For safety reasons unsuitable extinguishing agents:** Water with full jet

**Protective equipment:** Mount respiratory protective device.

## 6 Accidental Release Measures

**Person-related safety precautions:** Wear protective equipment. Keep unprotected persons away.

### Measures for environmental protection:

Inform respective authorities in case of seepage into water course or sewage system.

Do not allow to enter sewers/ surface or ground water.

### Measures for cleaning/collecting:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Dispose contaminated material as waste according to item 13.

Ensure adequate ventilation.

## 7 Handling And Storage

### Handling:

#### Information 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.

#### Storage:

**Requirements to be met by storerooms and receptacles:** No special requirements.

**Information about storage in one common storage facility:** Not required.

**Further information about storage conditions:** Keep receptacle tightly sealed.



**HMG Coatings (South) Ltd**  
 Faraday Park  
 West Portway Ind Est  
 Andover  
 Hants  
 SP10 3SA  
**Tel:** 01264 356296  
**Fax:** 01264 338123

## PRODUCT NAME

**Synergy® Paints UB25**

MATERIAL SAFETY DATASHEET

## 8 Exposure Controls/Personal Protection

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

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

### 1330-20-7 Xylene (mix)

WEL Short-term value: 441 mg/m<sup>3</sup>, 100 ppm  
 Long-term value: 220 mg/m<sup>3</sup>, 50 ppm  
 Sk; BMGV

### 123-86-4 Butyl ethanoate

WEL Short-term value: 966 mg/m<sup>3</sup>, 200 ppm  
 Long-term value: 724 mg/m<sup>3</sup>, 150 ppm

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

WEL Short-term value: 548 mg/m<sup>3</sup>, 100 ppm  
 Long-term value: 274 mg/m<sup>3</sup>, 50 ppm  
 Sk

### 95-63-6 1,2,4-trimethylbenzene

WEL Long-term value: 125 mg/m<sup>3</sup>, 25 ppm  
 ILV

### 100-41-4 ethylbenzene

WEL Short-term value: 552 mg/m<sup>3</sup>, 125 ppm  
 Long-term value: 441 mg/m<sup>3</sup>, 100 ppm

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

**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 skin.  
 Avoid contact with the eyes and skin.

**Respiratory protection:**

When spraying the product, use a respiratory protective device that is independent of circulating air.

**Protection of hands:**



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



**HMG Coatings (South) Ltd**  
 Faraday Park  
 West Portway Ind Est  
 Andover  
 Hants  
 SP10 3SA  
**Tel:** 01264 356296  
**Fax:** 01264 338123

## PRODUCT NAME

**Synergy® Paints UB25**

## MATERIAL SAFETY DATASHEET

### 9 Physical And Chemical Properties

#### General Information

<b>Form:</b>	Fluid
<b>Colour:</b>	According to product specification
<b>Odour:</b>	Characteristic
<b>Change in condition</b>	
<b>Melting point/Melting range:</b>	Undetermined.
<b>Boiling point/Boiling range:</b>	124°C
<b>Flash point:</b>	25°C
<b>Ignition temperature:</b>	370°C
<b>Self-igniting:</b>	Product is not selfigniting.
<b>Danger of explosion:</b>	Product is not explosive. However, formation of explosive air/vapour mixtures are possible.
<b>Explosion limits:</b>	
<b>Lower:</b>	1.1 Vol %
<b>Upper:</b>	10.4 Vol %
<b>Vapour pressure at 20°C:</b>	10.7 hPa
<b>Density at 20°C:</b>	0.992 g/cm <sup>3</sup>
<b>Solubility in / Miscibility with water:</b>	NOT MISCIBLE
<b>Solvent content:</b>	
<b>Organic solvents:</b>	49.0 %
<b>Solids content:</b>	50.7 %

### 10 Stability And Reactivity

**Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.

**Materials to be avoided:**

**Dangerous reactions** No dangerous reactions known.

**Dangerous decomposition products:** No dangerous decomposition products known.

### 11 Toxicological Information

**Acute toxicity:**

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

**1330-20-7 Xylene (mix)**

Oral LD50 8700 mg/kg (rat)

Dermal LD50 2000 mg/kg (rbt)

Inhalative LC50/4 h 6350 mg/l (rat)

**Primary irritant effect:**

**on the skin:** Irritant to skin and mucous membranes.

**on the eye:** No 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



**HMG Coatings (South) Ltd**  
 Faraday Park  
 West Portway Ind Est  
 Andover  
 Hants  
 SP10 3SA  
**Tel:** 01264 356296  
**Fax:** 01264 338123

## PRODUCT NAME

**Synergy® Paints UB25**

MATERIAL SAFETY DATASHEET

## 12 Ecological Information

### Ecotoxicological effects:

**Remark:** Harmful to fish

### 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.

Harmful to aquatic organisms

## 13 Disposal Considerations

### Product:

#### 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):** 30  
**UN-Number:** 1263  
**Packaging group:** III  
**Hazard label** 3  
**Description of goods:** 1263 PAINT (not viscous)

### Maritime transport IMDG:



**IMDG Class:** 3  
**UN Number:** 1263  
**Label** 3  
**Packaging group:** III  
**EMS Number:** F-E,S-E  
**Marine pollutant:** No

### Air transport ICAO-TI and IATA-DGR:



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



**HMG Coatings (South) Ltd**  
 Faraday Park  
 West Portway Ind Est  
 Andover  
 Hants  
 SP10 3SA  
**Tel:** 01264 356296  
**Fax:** 01264 338123

## PRODUCT NAME

**Synergy® Paints UB25**

MATERIAL SAFETY DATASHEET

## 15 Regulatory Information

### 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

### Hazard-determining components of labelling:

Xylene (mix)

### Risk phrases:

10 Flammable.

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

38 Irritating to skin.

52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

### Safety phrases:

9 Keep container in a well-ventilated place.

23 Do not breathe fumes/vapour/spray

25 Avoid contact with eyes.

36/37 Wear suitable protective clothing and gloves.

43 In case of fire, use water or powdered extinguishing agent.

61 Avoid release to the environment. Refer to special instructions/safety data sheets.

### Special labelling of certain preparations:

Contains Benzotriazole Derivative Mixture, bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate. May produce an allergic reaction.

### National regulations:

### Technical instructions (air):

Class	Share in %
NK	49.0

**Waterhazard class:** Water hazard class 2 (Self-assessment): hazardous for water.

## 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 R-phrases

10 Flammable.

11 Highly flammable.

20 Harmful by inhalation.

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

36 Irritating to eyes.

36/37/38 Irritating to eyes, respiratory system and skin.

37 Irritating to respiratory system.

38 Irritating to skin.

43 May cause sensitisation by skin contact.

50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

65 Harmful: may cause lung damage if swallowed.

66 Repeated exposure may cause skin dryness or cracking.

67 Vapours may cause drowsiness and dizziness.

**Department issuing MSDS:** Product safety department: LABORATORY

**Contact:** Health & Safety Officer