

Material Safety Data Sheet According to 91/155 EC

Printing date 26.11.2001

Reviewed on 23.05.2001

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

· **Product details**

· **Trade name:** 401 White Primer

· **Article number:** 234

· **Manufacturer/Supplier:**

HMG PAINTS LTD. RIVERSIDE WORKS, COLLYHURST RD,
COLLYHURST, MANCHESTER, M40 7RU.
TEL 0161 205 7631

· **Further information obtainable from:** LABORATORY

2 Composition/information on ingredients

· **Chemical characterization**

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

· **Dangerous components:**

13463-67-7	titanium dioxide		10-25%
1330-20-7	xylene (mix)	☒ Xn; R 10-20/21-38	10-25%
108-88-3	toluene	☒ Xn, ☒ F; R 11-20	2.5-10%
78-93-3	butanone	☒ Xi, ☒ F; R 11-36-66-67	2.5-10%
141-78-6	ethyl acetate	☒ Xi, ☒ F; R 11-36-66-67	2.5-10%
67-63-0	propan-2-ol	☒ Xi, ☒ F; R 11-36-67	2.5-10%
84-74-2	dibutyl phthalate	☒ Xn, ☒ N; R 62-63-50/53	2.5-10%
67-56-1	methanol	☒ T, ☒ F; R 11-23/24/25-39/23/24/25	£ 2.5%

3 Hazards identification

· **Hazard description:**



Xn Harmful

N Dangerous for the environment

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

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

R 51/53 Toxic 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.

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.

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- In case of unconsciousness place patient stably in side position for transportation.*
- **After skin contact:** Generally the product does not irritate the skin.
 - **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:**
CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **Protective equipment:** Mount respiratory protective device.

6 Accidental release measures

- **Person-related safety precautions:** Not required.
- **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:**
Dispose contaminated material as waste according to item 13.
Ensure adequate ventilation.

7 Handling and storage

- **Handling:**
- **Information for safe handling:**
Thorough dedusting.
Ensure good ventilation/extraction at the workplace.
- **Information about fire - and explosion protection:** 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.
- **Class according to regulation on flammable liquids:** Void

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:

13463-67-7 titanium dioxide

OES	Long-term value: 10* 4** mg/m ³ *total inhalable dust **respirable dust
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1330-20-7 xylene (mix)

OES	Short-term value: 662 mg/m ³ , 150 ppm Long-term value: 441 mg/m ³ , 100 ppm Sk
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China Clay

OES	Long-term value: 2 mg/m ³ respirable dust
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108-88-3 toluene	
OES	Short-term value: 574 mg/m ³ , 150 ppm Long-term value: 191 mg/m ³ , 50 ppm Sk
78-93-3 butanone	
OES	Short-term value: 899 mg/m ³ , 300 ppm Long-term value: 600 mg/m ³ , 200 ppm Sk, Bmgv
141-78-6 ethyl acetate	
OES	Long-term value: 1460 mg/m ³ , 400 ppm
67-63-0 propan-2-ol	
OES	Short-term value: 1250 mg/m ³ , 500 ppm Long-term value: 999 mg/m ³ , 400 ppm
84-74-2 dibutyl phthalate	
OES	Short-term value: 10 mg/m ³ Long-term value: 5 mg/m ³
67-56-1 methanol	
OES	Short-term value: 333 mg/m ³ , 250 ppm Long-term value: 266 mg/m ³ , 200 ppm Sk, ILV

· **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.

Wash hands before breaks and at the end of work.

Avoid contact with the eyes and skin.

· **Respiratory protection:**

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

· **Protection of hands:**



Protective gloves

· **Eye protection:** Safety glasses

9 Physical and chemical properties

- | | |
|------------------|------------------------------------|
| · Form: | Solid |
| · Colour: | According to product specification |
| · Odour: | Characteristic |

· **Change in condition**

Melting point/Melting range: Undetermined.

Boiling point/Boiling range: 55°C

· **Flash point:** -19°C

· **Ignition temperature:** 500.0°C

· **Self-igniting:** Product is not selfigniting.

· **Danger of explosion:** Product does not present an explosion hazard.

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· Explosion limits:	
Lower:	1.1 Vol %
Upper:	7.0 Vol %
· Vapour pressure at 20°C: 6.7 hPa	
· Density at 20°C: 1.183 g/cm ³	
· Solubility in / Miscibility with water: Insoluble.	
· Solvent content:	
Organic solvents:	52.2 %
· Solids content: 41.8 %	

10 Stability and reactivity

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

I330-20-7 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:** No irritant effect.
- **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.

12 Ecological information

· **General notes:**

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
Also poisonous for fish and plankton in water bodies.

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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.
- **Item:** 31c
- **Danger code (Kemler):** 336
- **UN-Number:** 1263
- **Hazard label** 3+6.1
- **Description of goods:** 1263 Paint

· Maritime transport IMDG:



- **IMDG Class:** 3.1
- **Page:** 3127
- **UN Number:** 1263
- **Packaging group:** II
- **EMS Number:** 3-03
- **MFAG:** 310
- **Marine pollutant:** No
- **Proper shipping name:** Paint

· Air transport ICAO-TI and IATA-DGR:



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

15 Regulatory information

- **Labelling according to EU guidelines:**
The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials.

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

Xn Harmful

N Dangerous for the environment

· **Hazard-determining components of labelling:**

xylene (mix)

· **Risk phrases:**

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

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

· **Safety phrases:**

9 Keep container in a well-ventilated place.

25 Avoid contact with eyes.

36/37 Wear suitable protective clothing and gloves.

57 Use appropriate container to avoid environmental contamination.

· **National regulations:**

· **Classification according to VbF:** Void

· **Technical instructions (air):**

Class	Share in %
II	26.3
III	29.2

· **Waterhazard class:** Water hazard class I (Self-assessment): slightly 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.

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

· **Contact:** Health & Safety Officer