



**Material Safety Data Sheet**  
According to 91/155 EC

Printing date 26.11.2001

Reviewed on 22.08.2000

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

· **Product details**

· **Trade name:** C71 Machinery Enamel (Non Lead)

· **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:**

|            |                 |                          |         |
|------------|-----------------|--------------------------|---------|
| 64742-82-1 | White Spirit    | ☒ Xn, ☒ N; R 22-51/53-65 | 25-50%  |
|            | HF White Spirit | ☒ Xn; R 10-65            | 2.5-10% |
| 1330-20-7  | xylene (mix)    | ☒ Xn; R 10-20/21-38      | £ 2.5%  |

### 3 Hazards identification

· **Hazard description:**



Xn Harmful

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

R 10 Flammable.

R 22 Harmful if swallowed.

R 65 Harmful: may cause lung damage if swallowed.

· **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; consult doctor in case of complaints.

· **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:** Call for a doctor immediately.

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### 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:** Put on breathing apparatus

### 6 Accidental release measures

- **Person-related safety precautions:** Wear protective equipment. Keep unprotected persons away.
- **Measures for environmental protection:** No special measures required.
- **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:**  
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.
- **Class according to regulation on flammable liquids:** A II

### 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)

|     |   |
|-----|---|
| OES | Short-term value: 662 mg/m <sup>3</sup> , 150 ppm |
|     | Long-term value: 441 mg/m <sup>3</sup> , 100 ppm  |
| Sk  |   |

- **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.
- **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:** Not required.

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· **Eye protection:**

Tightly sealed goggles

### 9 Physical and chemical properties

|  |   |
|--|---|
| · <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>              | 150°C   |
| · <b>Flash point:</b>                            | 25°C  |
| · <b>Ignition temperature:</b>                   | 230.0°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>Density at 20°C:</b>                        | 1.556 g/cm <sup>3</sup>   |
| · <b>Solubility in / Miscibility with water:</b> | NOT MISCIBLE  |
| · <b>Solvent content:</b>                        |   |
| <b>Organic solvents:</b>                         | 7.5 %   |
| · <b>Solids content:</b>                         | 55.3 %  |

### 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:**
- **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.

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### 12 Ecological information

- **General notes:** Not known to be hazardous to water.

### 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):** 30
- **UN-Number:** 1263
- **Hazard label** 3
- **Description of goods:** 1263 Paint

- **Maritime transport IMDG:**



- **IMDG Class:** 3.3
- **Page:** 3372
- **UN Number:** 1263
- **Packaging group:** III
- **EMS Number:** 3-05
- **MFAG:** 310,313
- **Marine pollutant:** Yes
- **Proper shipping name:** Paint

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



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

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### 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:**

White Spirit

· **Risk phrases:**

10 Flammable.

22 Harmful if swallowed.

65 Harmful: may cause lung damage if swallowed.

· **Safety phrases:**

23 Do not breathe gas/fumes/vapour/spray.

25 Avoid contact with eyes.

36 Wear suitable protective clothing.

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

· **National regulations:**

· **Classification according to VbF: A II**

· **Technical instructions (air):**

| Class | Share in % |
|-------|------------|
| II    | 2.3        |
| III   | 5.3        |

### 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