

Feb 06



Material Safety Data Sheet

According to 91/155 EEC

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Printing date 27.08.2004

Reviewed on 01.05.2003

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

HMG

Product details

Trade name: **JJ15000 Felt Stiffener**

Article number: 4174

Application of the substance / the preparation Coating compound/ Surface coating/ paint

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:

CAS: 64-17-5 EINECS: 200-578-6	ethanol	F; R 11	50-100%
CAS: 67-56-1 EINECS: 200-659-6	methanol	T, F; R 11-23/24/25-39/23/24/25	≤ 2.5%
CAS: 84-74-2 EINECS: 201-557-4	dibutyl phthalate	T, N; R 61-62-50	≤ 2.5%

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

3 Hazards identification

Hazard description:



F 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.

R 11 Highly flammable.

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.

4 First-aid measures

After inhalation: Supply fresh air; consult doctor in case of complaints.

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- *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.
- *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:*
Prevent seepage into sewage system, workpits and cellars.
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).
Ensure adequate ventilation.

7 Handling and storage

- *Handling:*
 - *Information for safe handling:* Keep receptacles tightly sealed.
 - *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:* 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.

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:*

64-17-5 ethanol

OES Long-term value: 1920 mg/m³, 1000 ppm

67-56-1 methanol

OES Short-term value: 333 mg/m³, 250 ppmLong-term value: 266 mg/m³, 200 ppm

Sk, ILV

84-74-2 dibutyl phthalate

OES Short-term value: 10 mg/m³Long-term value: 5 mg/m³

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

· **Personal protective equipment:**

· **General protective and hygienic measures:** Wash hands before breaks and at the end of work.

· **Respiratory protection:** Not required.

· **Protection of hands:**

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

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

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

· General Information

Form:	Fluid
Colour:	According to product specification
Odour:	Characteristic

· Change in condition

Melting point/Melting range: Undetermined.

Boiling point/Boiling range: 78°C

· **Flash point:** 13°C

· **Ignition temperature:** 425.0°C

· **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:	3.5 Vol %
Upper:	15.0 Vol %

· **Vapour pressure at 20°C:** 59.0 hPa

· **Density at 20°C:** 0.823 g/cm³

· Solubility in / Miscibility with

water: NOT MISCIBLE

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· Solvent content:	
Organic solvents:	84.5 %
Water:	5.0 %
· Solids content:	10.2 %

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.

12 Ecological information

- **Ecotoxicological effects:**
- **Remark:** Harmful to fish
- **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.
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.

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· **Danger code (Kemler):** 33
 · **UN-Number:** 1263
 · **Packaging group:** II
 · **Hazard label** 3
 · **Description of goods:** 1263 PAINT (vapor pressure at 50°C at most 110 kPa)

· **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

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:**

F Highly flammable

· **Risk phrases:**

11 Highly flammable.

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

· **Safety phrases:**

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

16 Keep away from sources of ignition - No smoking.

33 Take precautionary measures against static discharges.

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

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

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· **National regulations:**· **Technical instructions (air):**

Class	Share in %
Water	5.0
II	0.3
III	84.5

· **Waterhazard class:** Water hazard class 1 (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.

· **Relevant R-phrases**

- 11 Highly flammable.
23/24/25 Toxic by inhalation, in contact with skin and if swallowed.
39/23/24/25 Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed.
50 Very toxic to aquatic organisms.
61 May cause harm to the unborn child.
62 Possible risk of impaired fertility.

· **Department issuing MSDS:** Product safety department: LABORATORY· **Contact:** Health & Safety Officer

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