

Safety Data Sheet according to 1907/2006/EC, Article 31

Printing date 11.03.2011



Revision: 07.01.2011


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

For professional use only

- **Product details**
- **Trade name:** Hardener 9061
- **Article number:** 9061
- **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
- **Information in case of emergency:** 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: Harmful by inhalation and in contact with skin.
 -  Xi; Irritant
R38: Irritating to skin.
 - R10: 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.
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- **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
- **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.
- **Safety phrases:**
 - 9 Keep container in a well-ventilated place.
 - 16 Keep away from sources of ignition - No smoking.

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- 23 Do not breathe fumes/vapour/spray
 25 Avoid contact with eyes.
 36/37 Wear suitable protective clothing and gloves.
 60 This material and its container must be disposed of as hazardous waste.

3 Composition/information on ingredients

- **Chemical characterization**
- **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	25-50%
CAS: 100-41-4 EINECS: 202-849-4	ethylbenzene	☒ Xn R20; ☒ F R11	2.5-10%
CAS: 123-86-4 EINECS: 204-658-1	Butyl ethanoate	R10-66-67	2.5-10%
CAS: 71-36-3 EINECS: 200-751-6	butanol	☒ Xn R22; ☒ Xi R37/38-41 R10-67	2.5-10%

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

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 Firefighting 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:** Mount respiratory protective device.

6 Accidental release measures

- **Person-related safety precautions:** Wear protective equipment. Keep unprotected persons away.
- **Measures for environmental protection:** 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.

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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.

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 ³ , 100 ppm Long-term value: 220 mg/m ³ , 50 ppm Sk; BMGV
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100-41-4 ethylbenzene

WEL	Short-term value: 552 mg/m ³ , 125 ppm Long-term value: 441 mg/m ³ , 100 ppm
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123-86-4 Butyl ethanoate

WEL	Short-term value: 966 mg/m ³ , 200 ppm Long-term value: 724 mg/m ³ , 150 ppm
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71-36-3 butanol

WEL	Short-term value: 154 mg/m ³ , 50 ppm Sk
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- **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.
- **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**

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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**

- **Appearance:**

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

- **Change in condition**

Melting point/Melting range: Undetermined.
Boiling point/Boiling range: 118°C

- **Flash point:** 25°C

- **Ignition temperature:** 430°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: 1.1 Vol %
Upper: 7.0 Vol %

- **Vapour pressure at 20°C:** 6.7 hPa

- **Density:** Not determined.

- **Solubility in / Miscibility with water:** NOT MISCIBLE

- **Solvent content:**

Organic solvents: 40.5 %

Solids content: 59.5 %

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.

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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

12 Ecological information

- **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.

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 RELATED MATERIAL (not viscous)

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· **Tunnel restriction code D/E**· **Maritime transport IMDG:**

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

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

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

15 Regulatory information

- **Chemical safety assessment A Chemical Safety Assessment has not been carried out.**
- **National regulations:**
- **Technical instructions (air):**

Class	Share in %
NK	42.5

- **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 phrases**
 - R10 Flammable.
 - R11 Highly flammable.
 - R20 Harmful by inhalation.
 - R20/21 Harmful by inhalation and in contact with skin.
 - R22 Harmful if swallowed.
 - R37/38 Irritating to respiratory system and skin.
 - R38 Irritating to skin.
 - R41 Risk of serious damage to eyes.
 - 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