

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

Printing date 28.09.2009

Revision: 02.01.2009

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

For professional use only

· **Product details**

· **Trade name:** Thinner 2641

· **Article number:** 2641

· **Application of the substance / the preparation**

Coating compound/ Surface coating/ paint
Thinner

· **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

· **Hazard description:**



Xn Harmful
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.

Has a narcotizing effect.

R 11 Highly flammable.

R 36/38 Irritating to eyes and skin.

R 48/20 Harmful: danger of serious damage to health by prolonged exposure through inhalation.

R 63 Possible risk of harm to the unborn child.

R 65 Harmful: may cause lung damage if swallowed.

R 67 Vapours may cause drowsiness and dizziness.

· **Classification system:**

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

108-88-3	toluene
78-93-3	methyl ethyl ketone
1330-20-7	Xylene (mix)

3 Composition/information on ingredients

· **Chemical characterization**

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

· **Dangerous components:**

CAS: 108-88-3 EINECS: 203-625-9	toluene	☒ Xn, ☒ Xi, ☒ F; R 11-38-48/20-63-65-67	50-100%
CAS: 123-86-4 EINECS: 204-658-1	Butyl ethanoate	R 10-66-67	10-25%

(Contd. on page 2)

Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date 28.09.2009

Revision: 02.01.2009

Trade name: Thinner 2641

(Contd. of page 1)

CAS: 67-64-1 EINECS: 200-662-2	propan-2-one	☒ Xi, ☒ F; R 11-36-66-67	2.5-10%
CAS: 78-83-1 EINECS: 201-148-0	butanol	☒ Xi; R 10-37/38-41-67	2.5-10%
CAS: 141-78-6 EINECS: 205-500-4	Ethyl Acetate	☒ Xi, ☒ F; R 11-36-66-67	2.5-10%
CAS: 78-93-3 EINECS: 201-159-0	methyl ethyl ketone	☒ Xi, ☒ F; R 11-36-66-67	2.5-10%
CAS: 107-98-2 EINECS: 203-539-1	1-methoxy-2-propanol	R 10	2.5-10%
CAS: 1330-20-7 EINECS: 215-535-7	Xylene (mix)	☒ Xn, ☒ Xi; R 10-20/21-38	2.5-10%

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

4 First-aid measures

- **After inhalation:** 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. If symptoms persist, consult a doctor.
- **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.
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:** Store in a cool location.
- **Information about storage in one common storage facility:** Not required.

(Contd. on page 3)

Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date 28.09.2009

Revision: 02.01.2009

Trade name: **Thinner 2641**

(Contd. of page 2)

- **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:**

108-88-3 toluene

WEL	Short-term value: 384 mg/m ³ , 100 ppm Long-term value: 191 mg/m ³ , 50 ppm Sk
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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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67-64-1 propan-2-one

WEL	Short-term value: 3620 mg/m ³ , 1500 ppm Long-term value: 1210 mg/m ³ , 500 ppm
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78-83-1 butanol

WEL	Short-term value: 231 mg/m ³ , 75 ppm Long-term value: 154 mg/m ³ , 50 ppm
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141-78-6 Ethyl Acetate

WEL	Short-term value: 400 ppm Long-term value: 200 ppm
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78-93-3 methyl ethyl ketone

WEL	Short-term value: 899 mg/m ³ , 300 ppm Long-term value: 600 mg/m ³ , 200 ppm Sk
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107-98-2 1-methoxy-2-propanol

WEL	Short-term value: 560 mg/m ³ , 150 ppm Long-term value: 375 mg/m ³ , 100 ppm Sk
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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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- **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 eyes and skin.

- **Respiratory protection:**

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

- **Protection of hands:**

When skin exposure may occur, advice should be sought from the glove supplier on appropriate types and usage times for this product.



Protective gloves

(Contd. on page 4)

Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date 28.09.2009

Revision: 02.01.2009

Trade name: Thinner 2641

(Contd. of page 3)

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

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: 110°C

- **Flash point:** 4°C

- **Ignition temperature:** 370°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:	1.2 Vol %
Upper:	10.4 Vol %

- **Vapour pressure at 20°C:** 29 hPa

- **Density:** Not determined.

- **Solubility in / Miscibility with water:**

NOT MISCIBLE

- **Solvent content:**

Organic solvents:	100.0 %
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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.

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(Contd. on page 5)

Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date 28.09.2009

Revision: 02.01.2009

Trade name: **Thinner 2641**

(Contd. of page 4)

11 Toxicological information

- **Acute toxicity:**

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

108-88-3 toluene

Oral	LD50	5000 mg/kg (rat)
Dermal	LD50	12124 mg/kg (rab)
Inhalative	LC50/4 h	5320 mg/l (mus)

- **Primary irritant effect:**

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

- **on the eye:** 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:

Irritant

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.

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):** 33

- **UN-Number:** 1263

- **Packaging group:** II

- **Hazard label** 3

- **Description of goods:** 1263 PAINT RELATED MATERIAL (vapor pressure at 50°C at most 110 kPa)

- **Maritime transport IMDG:**



- **IMDG Class:** 3

(Contd. on page 6)

Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date 28.09.2009

Revision: 02.01.2009

Trade name: Thinner 2641

(Contd. of page 5)

- **UN Number:** 1263
- **Label** 3
- **Packaging group:** II
- **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:** II
- **Proper shipping name:** PAINT RELATED MATERIAL

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
F Highly flammable

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

toluene

- **Risk phrases:**

11 Highly flammable.
36/38 Irritating to eyes and skin.
48/20 Harmful: danger of serious damage to health by prolonged exposure through inhalation.
63 Possible risk of harm to the unborn child.
65 Harmful: may cause lung damage if swallowed.
67 Vapours may cause drowsiness and dizziness.

- **Safety phrases:**

9 Keep container in a well-ventilated place.
16 Keep away from sources of ignition - No smoking.
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.

- **National regulations:**

- **Technical instructions (air):**

Class	Share in %
NK	100.0

- **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.

(Contd. on page 7)

Safety Data Sheet
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Printing date 28.09.2009

Revision: 02.01.2009

Trade name: Thinner 2641

(Contd. of page 6)

· Relevant R-phrases

- 10 Flammable.
- 11 Highly flammable.
- 20/21 Harmful by inhalation and in contact with skin.
- 36 Irritating to eyes.
- 37/38 Irritating to respiratory system and skin.
- 38 Irritating to skin.
- 41 Risk of serious damage to eyes.
- 48/20 Harmful: danger of serious damage to health by prolonged exposure through inhalation.
- 63 Possible risk of harm to the unborn child.
- 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**

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