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**SAFETY DATA SHEET**

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**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1 Product identifier**

- Product Name: PREMIUM THINNER
- Product Part Number: 0604

**1.2 Relevant identified uses of the substance or mixture and uses advised against**

- Use of the substance/mixture: Thinner

**1.3 Details of the supplier of the safety data sheet**

- Name of Supplier: Equilibrium Chemical Services Limited
- Address of Supplier: Unit 5 Merebrook Business Park  
Hanley Road  
Welland  
Worcestershire  
WR13 6NP
- Telephone: 01684 311393
- Responsible Person: Equilibrium Technical Team
- Email: Enquiries@equilibriumchemical.net

**1.4 Emergency telephone number**

- Emergency Telephone: 01684 311393 (office hours only)
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**SECTION 2: Hazards identification****2.1 Classification of the substance or mixture**

- CLP: Asp. Tox. 1, STOT SE 3, Flam. Liq. 1, Eye Irrit. 2, Repr. 2, STOT RE 2, Aquatic Chronic 3

**2.2 Label elements**

- Signal Word: Danger
- Hazard statements
  - H224 - Extremely flammable liquid and vapour.
  - EUH066 - Repeated exposure may cause skin dryness or cracking.
  - H401 - Toxic to aquatic life.
  - H336 - May cause drowsiness or dizziness.
  - H373 - May cause damage to organs through prolonged or repeated exposure.
  - H319 - Causes serious eye irritation.
  - H304 - May be fatal if swallowed and enters airways.
  - H412 - Harmful to aquatic life with long lasting effects.
- Precautionary statements
  - P280 - Wear protective gloves/protective clothing/eye protection/face protection.
  - P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

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## SECTION 2: Hazards identification (....)

P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
 P260 - Do not breathe dust/fume/gas/mist/vapours/spray.  
 P301+P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.  
 P403+P235 - Store in a well-ventilated place. Keep cool.  
 P403+P233 - Store in a well-ventilated place. Keep container tightly closed.  
 P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
 P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.  
 P308+P313 - IF exposed or concerned: Get medical advice/attention.

### 2.3 Other hazards

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## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

- methanol
  - CAS Number: 67-56-1
  - EC Number: 200-659-6
  - Concentration: 5 - 10%
  - Categories: Acute Tox. 3, Acute Tox. 3, Acute Tox. 3, STOT SE 1
  - Symbols: GHS02;GHS06;GHS08;F; T
  - R/H Phrases: H225;H331;H311;H301;H370 \*\*;R11;R23/24/25;R39/23/24/25
- ethanol; ethyl alcohol
  - CAS Number: 64-17-5
  - EC Number: 200-578-6
  - Concentration: 5 - 10%
  - Categories:
  - Symbols: GHS02;F
  - R/H Phrases: H225;R11
- acetone; propan-2-one; propanone
  - CAS Number: 67-64-1
  - EC Number: 200-662-2
  - Concentration: 10 - 30%
  - Categories: Eye Irrit. 2, STOT SE 3
  - Symbols: GHS02;GHS07;F; Xi
  - R/H Phrases: H225;H319;H336;EUH066;R11;R36;R66;R67
- propan-2-ol; isopropyl alcohol; isopropanol
  - CAS Number: 67-63-0
  - EC Number: 200-661-7
  - Concentration: <5%
  - Categories: Eye Irrit. 2, STOT SE 3
  - Symbols: GHS02;GHS07;F; Xi
  - R/H Phrases: H225;H319;H336;R11;R36;R67
- 1-methoxy-2-propanol; monopropylene glycol methyl ether

**SECTION 3: Composition/information on ingredients (....)**

- CAS Number: 107-98-2  
EC Number: 203-539-1  
Concentration: 5 - 10%  
Categories: STOT SE 3  
Symbols: GHS02;GHS07  
R/H Phrases: H226;H336;R10;R67
- butanone; ethyl methyl ketone  
CAS Number: 78-93-3  
EC Number: 201-159-0  
Concentration: 5 -10%  
Categories: Eye Irrit. 2, STOT SE 3  
Symbols: GHS02;GHS07;F; Xi  
R/H Phrases: H225;H319;H336;EUH066;R11;R36;R66;R67
- n-hexane  
CAS Number: 110-54-3  
EC Number: 203-777-6  
Concentration: 5 - 10%  
Categories: Skin Irrit. 2, Repr. 2, STOT SE 3, STOT RE 2, Aquatic Chronic 2  
Symbols: GHS02;GHS08;GHS07;GHS09;F; Xn; N  
R/H Phrases: H225;H361f \*\*\*;H304;H373  
\*\*;H315;H336;H411;R11;R38;R48/20;R62;R65;R67;R51/53
- butan-2-ol  
CAS Number: 78-92-2  
EC Number: 201-158-5  
Concentration: 5 -10%  
Categories: Eye Irrit. 2, STOT SE 3  
Symbols: GHS02;GHS07;Xi  
R/H Phrases: H226;H319;H335;H336;R10;R36/37;R67
- ethyl acetate  
CAS Number: 141-78-6  
EC Number: 205-500-4  
Concentration: 5 - 10%  
Categories: Eye Irrit. 2, STOT SE 3  
Symbols: GHS02;GHS07;F; Xi  
R/H Phrases: H225;H319;H336;EUH066;R11;R36;R66;R67
- isopropyl acetate  
CAS Number: 108-21-4  
EC Number: 203-561-1  
Concentration: 5 - 10%  
Categories: Eye Irrit. 2, STOT SE 3  
Symbols: GHS02;GHS07;F; Xi  
R/H Phrases: H225;H319;H336;EUH066;R11;R36;R66;R67
- 4-methylpentan-2-one; isobutyl methyl ketone

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**SECTION 3: Composition/information on ingredients (....)**

- CAS Number: 108-10-1  
 EC Number: 203-550-1  
 Concentration: 5 -10%  
 Categories: Acute Tox. 4, Eye Irrit. 2, STOT SE 3  
 Symbols: GHS02;GHS07;F; Xn  
 R/H Phrases: H225;H332;H319;H335;EUH066;R11;R20;R36/37;R66
- heptane; n-heptane
- CAS Number: 142-82-5  
 EC Number: 205-563-8  
 Concentration: 5 - 10%  
 Categories: Skin Irrit. 2, STOT SE 3, Aquatic Acute 1, Aquatic Chronic 1  
 Symbols: GHS02;GHS08;GHS07;GHS09;F; Xn; N  
 R/H Phrases: H225;H304;H315;H336;H400;H410;R11;R38;R65;R67;R50/53
- toluene
- CAS Number: 108-88-3  
 EC Number: 203-625-9  
 Concentration: 10 - 40%  
 Categories: Skin Irrit. 2, Repr. 2, STOT SE 3, STOT RE 2  
 Symbols: GHS02;GHS08;GHS07;F; Xn  
 R/H Phrases: H225;H361d \*\*\*;H304;H373  
 \*\*;H315;H336;R11;R38;R48/20;R63;R65;R67
- n-butyl acetate
- CAS Number: 123-86-4  
 EC Number: 204-658-1  
 Concentration: 10 - 20%  
 Categories: STOT SE 3  
 Symbols: GHS02;GHS07  
 R/H Phrases: H226;H336;EUH066;R10;R66;R67
- xylene
- CAS Number: 1330-20-7  
 EC Number: 215-535-7  
 Concentration: 5 - 10%  
 Categories: Acute Tox. 4, Acute Tox. 4, Skin Irrit. 2  
 Symbols: GHS02;GHS07;Xn  
 R/H Phrases: H226;H332;H312;H315;R10;R20/21;R38
- Hydrocarbons, C9, aromatics
- CAS Number: 64742-95-6  
 EC Number: 918-668-5  
 Concentration: 5 -10%  
 Categories: STOT SE 3, Aquatic Acute 1  
 Symbols: GHS02, GHS08, GHS09, GHS07  
 H Statements: H226; H304; H411; H335-H336
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**SECTION 4: First aid measures**

## **SECTION 4: First aid measures (....)**

### **4.1 Description of first aid measures**

- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
- IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
- IF SWALLOWED: Call a POISON CENTRE/doctor/ if you feel unwell.
- IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
- IF exposed or concerned: Get medical advice/attention.
- IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].

### **4.2 Most important symptoms and effects, both acute and delayed**

- Contact with eyes
- May cause severe irritation
- May cause redness and irritation
- Inhalation
- Causes dizziness, confusion, headache or stupor
- Aspiration hazard
- Contact with skin
- Causes severe irritation
- In cases of severe exposure, severe irritation may develop
- Ingestion
- Aspiration hazard
- Causes dizziness, confusion, headache or stupor
- Causes gastro-intestinal disturbances

### **4.3 Indication of any immediate medical attention and special treatment needed**

- Immediately call a POISON CENTER or doctor/physician.
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## **SECTION 5: Firefighting measures**

### **5.1 Extinguishing media**

- In case of fire use water spray or fog, alcohol resistant foam, dry chemical or carbon dioxide
- Do not use water jets

### **5.2 Special hazards arising from the substance or mixture**

- May give off noxious and toxic fumes in a fire

### **5.3 Advice for firefighters**

- Never direct water jets on leaking liquid
  - Wear protective clothing as per section 8
  - Wear chemical protection suit and positive-pressure breathing apparatus
  - Decomposition products may include toxic and irritant fumes
  - Keep container(s) exposed to fire cool, by spraying with water
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## **SECTION 6: Accidental release measures**

**Spillage causes slippery surface**

**Vapours may ignite**

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## **SECTION 6: Accidental release measures (....)**

### **6.1 Personal precautions, protective equipment and emergency procedures**

- Wear protective clothing as per section 8
- Avoid breathing dust/fume/gas/mist/vapours/spray.
- Vapours are heavier than air and may travel considerable distances to a source of ignition and flashback
- Stop leak if safe to do so.

### **6.2 Environmental precautions**

- Avoid release to the environment.
- Do not allow to enter public sewers and watercourses
- If contamination of drainage systems or water courses is unavoidable, immediately inform appropriate authorities
- In confined spaces, sewers, etc., the vapours may collect to form explosive mixtures with air
- Stop leak if safe to do so.

### **6.3 Methods and material for containment and cleaning up**

- Absorb spillage in inert material and shovel up
- Collect as much as possible in clean container for reuse or disposal
- Dispose of this material and its container at hazardous or special waste collection point

### **6.4 Reference to other sections**

- See Section 8
- 

## **SECTION 7: Handling and storage**

### **7.1 Precautions for safe handling**

- Wear protective gloves/protective clothing/eye protection/face protection.
- Forms hazardous decomposition products
- Use explosion-proof [electrical/ventilating/lighting/
- Use non-sparking tools.
- Do not breathe dust/fume/gas/mist/vapours/spray.
- Wash hands thoroughly after handling.
- Do not eat, drink or smoke when using this product.
- Use only outdoors or in a well-ventilated area.
- Avoid release to the environment.
- Get medical advice/attention if you feel unwell.
- Dispose of contents/container to an authorised waste collection point

### **7.2 Conditions for safe storage, including any incompatibilities**

- Forms hazardous decomposition products
- Use explosion-proof [electrical/ventilating/lighting/
- Store in a well-ventilated place. Keep container tightly closed.
- Store in a well-ventilated place. Keep cool.
- Stable under normal conditions
- Keep away from oxidising substances

### **7.3 Specific end use(s)**

- See Section 8, 13
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## **SECTION 8: Exposure controls/personal protection**

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**SECTION 8: Exposure controls/personal protection (....)****8.1 Control parameters**

- acetone; propan-2-one; propanone  
WEL (long term): 12103620 mg/m<sup>3</sup>  
WEL (short term): 3620 mg/m<sup>3</sup>
- butan-2-ol  
WEL (short term): 308 mg/m<sup>3</sup>  
WEL (long term): 462 mg/m<sup>3</sup>
- butanone; ethyl methyl ketone  
WEL (short term): 600 mg/m<sup>3</sup>  
WEL (long term): 899 mg/m<sup>3</sup>
- n-butyl acetate  
WEL (long term): 724 mg/m<sup>3</sup>  
WEL (short term): 966 mg/m<sup>3</sup>
- ethanol; ethyl alcohol  
WEL (long term): 1920 mg/m<sup>3</sup>
- ethyl acetate  
WEL (long term): 200 ppm  
WEL (short term): 400 ppm
- heptane; n-heptane  
WEL (long term): 2085500 mg/m<sup>3</sup>  
WEL (short term): 500 ppm
- n-hexane  
WEL (long term): 72216 mg/m<sup>3</sup>  
WEL (short term): 216 mg/m<sup>3</sup>
- 4-methylpentan-2-one; isobutyl methyl ketone  
WEL (long term): 208 mg/m<sup>3</sup>  
WEL (short term): 416 mg/m<sup>3</sup>
- isopropyl acetate  
WEL (short term): 849 mg/m<sup>3</sup>
- methanol  
WEL (long term): 266 mg/m<sup>3</sup>  
WEL (short term): 333 mg/m<sup>3</sup>
- 1-methoxy-2-propanol; monopropylene glycol methyl ether  
WEL (long term): 770 mg/m<sup>3</sup>  
WEL (short term): 616 mg/m<sup>3</sup>
- propan-2-ol; isopropyl alcohol; isopropanol  
WEL (long term): 999 mg/m<sup>3</sup>  
WEL (short term): 1250 mg/m<sup>3</sup>
- toluene  
WEL (long term): 191 mg/m<sup>3</sup>

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## SECTION 8: Exposure controls/personal protection (....)

WEL (short term): 384 mg/m<sup>3</sup>

- xylene
- WEL (long term): 220 mg/m<sup>3</sup>
- WEL (short term): 441 mg/m<sup>3</sup>

### 8.2 Exposure controls



- Wear protective gloves/protective clothing/eye protection/face protection.
  - Use personal protective equipment as required.
- 

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

- Appearance: Colourless liquid
- Boiling Point/Range: 56
- Density: Not known g/cm<sup>3</sup>
- Flash point: <21 deg C (CC)
- Melting point/Range: Melting point - not known
- Odour: Strong smell of solvent
- pH: 5 -9

### 9.2 Other information

- None
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## SECTION 10: Stability and reactivity

### 10.1 Reactivity

- This article is considered stable under normal conditions

### 10.2 Chemical stability

- Stable

### 10.3 Possibility of hazardous reactions

- In use, may form flammable/explosive vapour-air mixture
- No hazardous reactions known if used for its intended purpose
- Vapours may ignite

### 10.4 Conditions to avoid

- Avoid contact with oxidising substances
- Keep away from heat and sources of ignition
- Keep away from naked flames, incandescent or hot surfaces

### 10.5 Incompatible materials

- Incompatible with oxidizing substances

### 10.6 Hazardous decomposition products

- Decomposition products may include toxic and irritant fumes



## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

- toluene
    - LD50 (oral,rat): 5000 mg/kg
    - LD50 (skin,rat): 12124 mg/kg
    - LC50 (inhalation,rat): 28.1 mg/l/4h
- 

## SECTION 12: Ecological information

### 12.1 Toxicity

- heptane; n-heptane
  - EC50 (daphnia): >1 mg/l (48 hr)
  - LC50 (fish): >1 mg/l (96 hr)
- Hydrocarbons, C9, aromatics
  - IC50 (algae): 10 mg/l (72 hr)
  - EC50 (daphnia): 10 mg/l (48 hr)
  - LC50 (fish): 4.6 mg/l (96 hr)

### 12.2 Persistence and degradability

- Readily biodegradable

### 12.3 Bioaccumulative potential

- Low bioaccumulation potential

### 12.4 Mobility in soil

- This substance is poorly absorbed onto soils or sediments
- Substance remaining on soil surface evaporated within one day
- immiscible with water

### 12.5 Results of PBT and vPvB assessment

- Not a PBT according to REACH Annex XIII

### 12.6 Other adverse effects

- Toxic to sewage works organisms
- 

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

- Avoid release to the environment. Refer to special instructions/Safety data sheets
  - Do not discharge into drains or the environment, dispose to an authorised waste collection point
  - Dispose of this material and its container at hazardous or special waste collection point
  
  - Dispose of contents/container to an authorised waste collection point
  - Dispose of contents/container to
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## SECTION 14: Transport information

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## SECTION 14: Transport information (....)

**14.1 UN number**

- UN No.: 1263

**14.2 Proper Shipping Name**

- Proper Shipping Name: PAINT RELATED MATERIAL

**14.3 Transport hazard class(es)**

- Hazard Class: 3

**14.4 Packing group**

- Packing Group: II

**14.5 Environmental hazards**

- Marine pollutant

**14.6 Special precautions for user**

- Transport Regulations apply as indicated in previous section

**14.7 Transport in bulk according to Annex II of Marpol and the IBC Code**

- Not applicable
- 

**SECTION 15: Regulatory information****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

- Labelling according to Regulation (EC) No 1272/2008 GHS label elements

**15.2 Chemical safety assessment**

- A chemical safety assessment (CSA) for this product has not yet been completed
  - This Safety Data Sheet does not constitute a workplace risk assessment
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**SECTION 16: Other information**

Text not given with phrase codes where they are used elsewhere in this safety data sheet:-  
 EUH066: Repeated exposure may cause skin dryness or cracking. H225: Highly flammable liquid and vapour. H226: Flammable liquid and vapour. H301: Toxic if swallowed. H304: May be fatal if swallowed and enters airways. H311: Toxic in contact with skin. H312: Harmful in contact with skin. H315: Causes skin irritation. H319: Causes serious eye irritation. H331: Toxic if inhaled. H332: Harmful if inhaled. H335: May cause respiratory irritation. H336: May cause drowsiness or dizziness. H361d: Suspected of damaging the unborn child. H361f: Suspected of damaging fertility. H370: Causes damage to organs. H373: May cause damage to organs through prolonged or repeated exposure. H400: Very toxic to aquatic life. H410: Very toxic to aquatic life with long lasting effects. H411: Toxic to aquatic life with long lasting effects. R10: Flammable. R11: Highly Flammable. R20: Harmful by inhalation. R20/21: Harmful by inhalation and in contact with skin. R23/24/25: Toxic by inhalation, in contact with skin and if swallowed. R36: Irritating to eyes. R36/37: Irritating to eyes and respiratory system. R38: Irritating to skin. R39/23/24/25: Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed. R48/20: Harmful: danger of serious damage to health by prolonged exposure through inhalation. R50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. R62: Possible

**SECTION 16: Other information (....)**

risk of impaired fertility. R63: Possible risk of harm to the unborn child. R65: Harmful: may cause lung damage if swallowed. R66: Repeated exposure may cause skin dryness or cracking. R67: Vapours may cause drowsiness and dizziness.

**Legal Disclaimer**

- 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.

--- end of safety datasheet ---

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