

### 1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING

**Product name:** STANDARD THINNERS  
**Product code:** THINNERS  
**Company name:** BULK RESOURCES LIMITED  
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### 2. HAZARDS IDENTIFICATION

**Main hazards:** Highly flammable. Harmful by inhalation, in contact with skin and if swallowed. Irritating to eyes. Limited evidence of a carcinogenic effect. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Harmful: possible risk of irreversible effects through inhalation, in contact with skin and if swallowed.

**Other hazards:** In use, may form flammable / explosive vapour-air mixture.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

**Hazardous ingredients:** ACETONE 5.000%  
EINECS: 200-662-2 CAS: 67-64-1  
[F] R11; [Xi] R36; [-] R66; [-] R67

- METHYL ETHYL KETONE 5.000%  
EINECS: 201-159-0 CAS: 78-93-3  
[F] R11; [Xi] R36; [-] R66; [-] R67
- N-BUTYL ACETATE 5.000%  
EINECS: 204-658-1 CAS: 123-86-4  
[-] R10; [-] R66; [-] R67
- ETHYL ACETATE 5.000%  
EINECS: 205-500-4 CAS: 141-78-6  
[F] R11; [Xi] R36; [-] R66; [-] R67
- DENATURED ALCOHOL 5.000%  
EINECS: 200-578-6 CAS: 64-17-5  
[F] R11

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- HEPTANE 5.000%  
EINECS: 205-563-8 CAS: 142-82-5  
[F] R11; [Xi] R38; [N] R50/53; [Xn] R65; [-] R67
- HEXANE 3.000%  
EINECS: 203-777-6 CAS: 110-54-3  
[F] R11; [Xi] R38; [Xn] R48/20; [N] R51/53; [Xn] R62
- ISOPROPYL ACETATE 5.000%  
EINECS: 203-561-1 CAS: 108-21-4  
[F] R11; [Xi] R36; [-] R66; [-] R67
- PROPAN-2-OL 5.000%  
EINECS: 200-661-7 CAS: 67-63-0  
[F] R11; [Xi] R36; [-] R67
- METHYL ACETATE 5.000%  
EINECS: 201-185-2 CAS: 79-20-9  
[F] R11; [Xi] R36; [-] R66; [-] R67
- DICHLOROMETHANE - METHYLENE CHLORIDE 5.000%  
EINECS: 200-838-9 CAS: 000075-09-2  
[Xn] R40
- 4-METHYLPENTAN-2-ONE 5.000%  
EINECS: 203-550-1 CAS: 108-10-1  
[F] R11; [Xn] R20; [Xi] R36/37; [-] R66
- PROPYL ACETATE 5.000%  
EINECS: 203-686-1 CAS: 109-60-4  
[F] R11; [Xi] R36; [-] R66; [-] R67
- TOLUENE 5.000%  
EINECS: 203-625-9 CAS: 108-88-3  
[F] R11; [Xi] R38; [Xn] R48/20; [Xn] R63; [Xn] R65; [-] R67
- XYLENE 5.000%  
EINECS: 215-535-7 CAS: 1330-20-7  
[-] R10; [Xn] R20/21; [Xi] R38
- METHANOL 5.000%  
EINECS: 200-659-6 CAS: 67-56-1  
[F] R11; [T] R23/24/25; [T] R39/23/24/25

**4. FIRST AID MEASURES (SYMPTOMS)**

**Skin contact:** There may be irritation and redness at the site of contact.

**Eye contact:** There may be irritation and redness. The eyes may water profusely.

**Ingestion:** There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur. There may be vomiting.

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**Inhalation:** There may be irritation of the throat with a feeling of tightness in the chest.

**4. FIRST AID MEASURES (ACTION)**

**Skin contact:** Remove all contaminated clothes and footwear immediately unless stuck to skin. Drench the affected skin with running water for 10 minutes or longer if substance is still on skin. Consult a doctor.

**Eye contact:** Bathe the eye with running water for 15 minutes. Consult a doctor.

**Ingestion:** Wash out mouth with water. Do not induce vomiting. If conscious, give half a litre of water to drink immediately. Consult a doctor.

**Inhalation:** Remove casualty from exposure ensuring one's own safety whilst doing so. Consult a doctor.

**5. FIRE-FIGHTING MEASURES**

**Extinguishing media:** Alcohol or polymer foam. Carbon dioxide. Dry chemical powder. Use water spray to cool containers.

**Exposure hazards:** Highly flammable. In combustion emits toxic fumes. Forms explosive air-vapour mixture. Vapour may travel considerable distance to source of ignition and flash back.

**Protection of fire-fighters:** Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

**6. ACCIDENTAL RELEASE MEASURES**

**Personal precautions:** Refer to section 8 of SDS for personal protection details. If outside do not approach from downwind. If outside keep bystanders upwind and away from danger point. Mark out the contaminated area with signs and prevent access to unauthorised personnel. Turn leaking containers leak-side up to prevent the escape of liquid. Eliminate all sources of ignition.

**Environmental precautions:** Do not discharge into drains or rivers. Contain the spillage using bunding.

**Clean-up procedures:** Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method. Do not use equipment in clean-up procedure which may produce sparks.

**7. HANDLING AND STORAGE**

**Handling requirements:** Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area. Do not handle in a confined space. Avoid the formation or spread of mists in the air. Smoking is forbidden. Use non-sparking tools.

**Storage conditions:** Store in cool, well ventilated area. Keep container tightly closed. Keep away from sources of ignition. Prevent the build up of electrostatic charge in the immediate area. Ensure lighting and electrical equipment are not a source of ignition.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

**Hazardous ingredients:** ACETONE

WEL (8 hr TWA): 1210 mg/m<sup>3</sup> WEL (15 min STEL): 3620 mg/m<sup>3</sup>

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- METHYL ETHYL KETONE  
WEL (8 hr TWA): 600 mg/m<sup>3</sup> WEL (15 min STEL): 899 mg/m<sup>3</sup>
- N-BUTYL ACETATE  
WEL (8 hr TWA): 724 mg/m<sup>3</sup> WEL (15 min STEL): 966 mg/m<sup>3</sup>
- ETHYL ACETATE  
WEL (8 hr TWA): 200 ppm WEL (15 min STEL): 400 ppm
- DENATURED ALCOHOL  
WEL (8 hr TWA): 1920 mg/m<sup>3</sup>
- HEPTANE  
WEL (8 hr TWA): 2100 mg/m<sup>3</sup> WEL (15 min STEL): 8400 mg/m<sup>3</sup>
- HEXANE  
WEL (8 hr TWA): 72 mg/m<sup>3</sup>
- ISOPROPYL ACETATE  
WEL (8 hr TWA): 420 mg/m<sup>3</sup> WEL (15 min STEL): 849 mg/m<sup>3</sup>
- PROPAN-2-OL  
WEL (8 hr TWA): 999 mg/m<sup>3</sup> WEL (15 min STEL): 1250 mg/m<sup>3</sup>
- METHYL ACETATE  
WEL (8 hr TWA): 616 mg/m<sup>3</sup> WEL (15 min STEL): 770 mg/m<sup>3</sup>
- DICHLOROMETHANE - METHYLENE CHLORIDE  
WEL (8 hr TWA): 350 mg/m<sup>3</sup> WEL (15 min STEL): 1060 mg/m<sup>3</sup>
- 4-METHYLPENTAN-2-ONE  
WEL (8 hr TWA): 208 mg/m<sup>3</sup> WEL (15 min STEL): 416 mg/m<sup>3</sup>
- PROPYL ACETATE  
WEL (8 hr TWA): 849 mg/m<sup>3</sup> WEL (15 min STEL): 1060 mg/m<sup>3</sup>
- TOLUENE  
WEL (8 hr TWA): 191 mg/m<sup>3</sup> WEL (15 min STEL): 574 mg/m<sup>3</sup>
- XYLENE  
WEL (8 hr TWA): 220 mg/m<sup>3</sup> WEL (15 min STEL): 441 mg/m<sup>3</sup>
- METHANOL  
WEL (8 hr TWA): 266 mg/m<sup>3</sup> WEL (15 min STEL): 333 mg/m<sup>3</sup>

**Engineering measures:** Ensure there is sufficient ventilation of the area. Ensure lighting and electrical equipment are not a source of ignition.

**Respiratory protection:** Self-contained breathing apparatus must be available in case of emergency.

**Hand protection:** Impermeable gloves.

**Eye protection:** Safety glasses. Ensure eye bath is to hand.

**Skin protection:** Impermeable protective clothing.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**State:** Liquid

**Colour:** Colourless

**Odour:** Characteristic odour

**Solubility in water:** Insoluble

**Also soluble in:** Acetone. Chloroform.

**Flash point°C:** 20

**10. STABILITY AND REACTIVITY**

**Stability:** Stable under normal conditions. Stable at room temperature.

**Conditions to avoid:** Heat. Hot surfaces. Sources of ignition. Flames.

**Materials to avoid:** Strong oxidising agents. Strong acids.

**Haz. decomp. products:** In combustion emits toxic fumes.

**11. TOXICOLOGICAL INFORMATION**

**Hazardous ingredients:** ACETONE

IVN RAT LD50 5500 mg/kg

ORL MUS LD50 3 gm/kg

ORL RAT LD50 5800 mg/kg

• N-BUTYL ACETATE

ORL MUS LD50 6 gm/kg

ORL RAT LD50 10768 mg/kg

• ETHYL ACETATE

ORL MUS LD50 4100 mg/kg

ORL RAT LD50 5620 mg/kg

SCU RAT LDLO 5 gm/kg

• HEPTANE

IVN MUS LD50 222 mg/kg

• ISOPROPYL ACETATE

IVN RAT LDLO 174 mg/kg

ORL RAT LD50 6750 mg/kg

• PROPAN-2-OL

IVN RAT LD50 1088 mg/kg

ORL MUS LD50 3600 mg/kg

ORL RAT LD50 5045 mg/kg

SCU MUS LDLO 6 gm/kg

• METHYL ACETATE

ORL RAT LD50 >5 gm/kg

SCU RAT LDLO 8 gm/kg

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- 4-METHYLPENTAN-2-ONE  
IPR RAT LD50 400 mg/kg  
ORL MUS LD50 1900 mg/kg  
ORL RAT LD50 2080 mg/kg
- PROPYL ACETATE  
ORL MUS LD50 8300 mg/kg  
ORL RAT LD50 9370 mg/kg
- TOLUENE  
IVN RAT LD50 1960 mg/kg  
ORL MUS LD50 2 gm/kg  
ORL RAT LD50 6900 mg/kg
- XYLENE  
ORL MUS LD50 2119 mg/kg  
ORL RAT LD50 4300 mg/kg  
SCU RAT LD50 1700 mg/kg
- METHANOL  
IVN RAT LD50 2131 mg/kg  
ORL MUS LD50 7300 mg/kg  
ORL RAT LD50 5628 mg/kg

**Routes of exposure:** Refer to section 4 of SDS for routes of exposure and corresponding symptoms.

**12. ECOLOGICAL INFORMATION**

**Mobility:** Readily absorbed into soil.

**Persistence and degradability:** Biodegradable.

**Bioaccumulative potential:** No bioaccumulation potential.

**Other adverse effects:** Negligible ecotoxicity.

**13. DISPOSAL CONSIDERATIONS**

**NB:** The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

**14. TRANSPORT INFORMATION**

**ADR / RID**

<b>UN no:</b> 1263	<b>ADR Class:</b> 3
<b>Packing group:</b> II	<b>Classification code:</b> F1
<b>Shipping name:</b> PAINT	
<b>Labelling:</b> 3	<b>Hazard ID no:</b> 33



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**UN no:** 1263 **Class:** 3  
**Packing group:** II **EmS:** F-E,S-E  
**Marine pollutant:** .  
**Labelling:** 3

**IATA / ICAO**

**UN no:** 1263 **Class:** 3  
**Packing group:** II  
**Packing instructions:** 305(P&CA); 307(CAO)  
**Labelling:** 3

**15. REGULATORY INFORMATION**

**Hazard symbols:** Highly flammable.  
Dangerous for the environment.  
Harmful.



**Risk phrases:** R11: Highly flammable.  
R20/21/22: Harmful by inhalation, in contact with skin and if swallowed.  
R36: Irritating to eyes.  
R40: Limited evidence of a carcinogenic effect.  
R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
R68/20/21/22: Harmful: possible risk of irreversible effects through inhalation, in contact with skin and if swallowed.

**Safety phrases:** S9: Keep container in a well-ventilated place.  
S23: Do not breathe vapour.  
S16: Keep away from sources of ignition - No smoking.  
S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
S33: Take precautionary measures against static discharges.  
S36/37: Wear suitable protective clothing and gloves.  
S53: Avoid exposure - obtain special instructions before use.  
S60: This material and its container must be disposed of as hazardous waste.  
S61: Avoid release to the environment. Refer to special instructions / safety data sheets.

**Note:** The regulatory information given above only indicates the principal regulations specifically

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applicable to the product described in the safety data sheet. The user's attention is drawn to the possible existence of additional provisions which complete these regulations. Refer to all applicable national, international and local regulations or provisions.

**16. OTHER INFORMATION**

**Risk phrases used in s.3:** R11: Highly flammable.  
R36: Irritating to eyes.  
R66: Repeated exposure may cause skin dryness or cracking.  
R67: Vapours may cause drowsiness and dizziness.  
R10: Flammable.  
R38: Irritating to skin.  
R50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
R65: Harmful: may cause lung damage if swallowed.  
R48/20: Harmful: danger of serious damage to health by prolonged exposure through inhalation.  
R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
R62: Possible risk of impaired fertility.  
R40: Limited evidence of a carcinogenic effect.  
R20: Harmful by inhalation.  
R36/37: Irritating to eyes and respiratory system.  
R63: Possible risk of harm to the unborn child.  
R20/21: Harmful by inhalation and in contact with skin.  
R23/24/25: Toxic by inhalation, in contact with skin and if swallowed.  
R39/23/24/25: Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed.

**Legal disclaimer:** The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.