



**SAFETY DATA SHEET**  
CELLULOSE THINNERS

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Compilation date: 04/09/2012

Revision No: 4

**Section 1: Identification of the substance/mixture and of the company/undertaking**

**1.1. Product identifier**

**Product name:** CELLULOSE THINNERS

**Product code:** CELT

**Synonyms:** CELLULOSE THINNERS

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

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

**Company name:** Rustins Ltd  
Waterloo Road  
Cricklewood  
London  
NW2 7TX  
United Kingdom

**Tel:** +44 (0)208 450 4666

**Fax:** +44 (0)208 452 2008

**Email:** [rustins@rustins.co.uk](mailto:rustins@rustins.co.uk)

**1.4. Emergency telephone number**

**Section 2: Hazards identification**

**2.1. Classification of the substance or mixture**

**Classification under CHIP:** F: R11; Xn: R20/21; Xi: R37; Xn: R40; Xi: R41; Sens.: R43; -: R66

**Classification under CLP:** Carc. 2: H351; Eye Dam. 1: H318; Flam. Liq. 2: H225; Skin Sens. 1: H317; STOT SE 3: H335

**Most important adverse effects:** Highly flammable. Harmful by inhalation and in contact with skin. Irritating to respiratory system. Limited evidence of a carcinogenic effect. Risk of serious damage to eyes. May cause sensitisation by skin contact. Repeated exposure may cause skin dryness or cracking.

**2.2. Label elements**

**Label elements under CLP:**

**Hazard statements:** H225: Highly flammable liquid and vapour.  
H317: May cause an allergic skin reaction.  
H318: Causes serious eye damage.  
H335: May cause respiratory irritation.  
H351: Suspected of causing cancer.

**Signal words:** Danger

[cont...]

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**Hazard pictograms:** GHS02: Flame  
GHS07: Exclamation mark  
GHS08: Health hazard



**Precautionary statements:** P280: Wear protective gloves/protective clothing/eye protection/face protection.  
P303+361+353: IF ON SKIN (or hair): Remove immediately all contaminated clothing. Rinse skin with water/shower.  
P304+340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P308+313: IF exposed or concerned: Get medical advice/attention.  
P310: Immediately call a POISON CENTER or doctor.

### Label elements under CHIP:

**Hazard symbols:** Highly flammable.  
Harmful.



**Risk phrases:** R11: Highly flammable.  
R20/21: Harmful by inhalation and in contact with skin.  
R37: Irritating to respiratory system.  
R40: Limited evidence of a carcinogenic effect.  
R41: Risk of serious damage to eyes.  
R43: May cause sensitisation by skin contact.  
R66: Repeated exposure may cause skin dryness or cracking.

**Safety phrases:** S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
S36/37/39: Wear suitable protective clothing, gloves and eye / face protection.

### 2.3. Other hazards

**PBT:** This product is not identified as a PBT substance.

## Section 3: Composition/information on ingredients

### 3.2. Mixtures

[cont...]

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### Hazardous ingredients:

#### MIBK

EINECS	CAS	CHIP Classification	CLP Classification	Percent
203-550-1	108-10-1	F: R11; Xn: R20; Xi: R36/37; -: R66	Eye Irrit. 2: H319; STOT SE 3: H335; Flam. Liq. 2: H225; Acute Tox. 4: H332; -: EUH066	30-50%

#### 2-BUTANONE OXIME

202-496-6	96-29-7	Xn: R21; Xn: R40; Xi: R41; Sens.: R43	Carc. 2: H351; Acute Tox. 4: H312; Eye Dam. 1: H318; Skin Sens. 1: H317	30-50%
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#### ETHANOL

200-578-6	64-17-5	F: R11 Substance with a Community workplace exposure limit.	Flam. Liq. 2: H225	10-30%
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#### BUTAN-1-OL

200-751-6	71-36-3	-: R10; Xn: R22; Xi: R37/38; Xi: R41; -: R67	Flam. Liq. 3: H226; Acute Tox. 4: H302; STOT SE 3: H335; Skin Irrit. 2: H315; Eye Dam. 1: H318; STOT SE 3: H336	1-10%
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#### METHANOL

200-659-6	67-56-1	F: R11; T: R23/24/25; T: R39/23/24/25	Flam. Liq. 2: H225; Acute Tox. 3: H331; Acute Tox. 3: H311; Acute Tox. 3: H301; STOT SE 1: H370	<1%
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## Section 4: First aid measures

### 4.1. Description of first aid measures

**Skin contact:** Remove contaminated clothing. Wash skin thoroughly with soap and water. Do NOT use solvents or thinners. If irritation persists seek medical attention. Wash contaminated clothing before reuse.

**Eye contact:** Contact lenses should be removed. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart, and seek medical attention.

**Ingestion:** If accidentally swallowed, wash mouth out with water. Do not induce vomiting, keep at rest and obtain medical attention. If patient is conscious give plenty of water to drink.

**Inhalation:** Remove to fresh air, keep the patient warm and at rest. If there is difficulty in breathing, properly trained personnel may administer oxygen. If breathing has stopped, administer artificial respiration (NOT mouth to mouth). Seek medical attention.

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

**Skin contact:** May cause irritation on prolonged or repeated contact.

**Eye contact:** Irritation.

**Ingestion:** Harmful, causing internal irritation. May cause nausea, vomiting, dizziness and unconsciousness.

**Inhalation:** Harmful by inhalation. There may be irritation of nose, throat and respiratory tract. Dizziness, loss of coordination, nausea and vomiting may occur.

[cont...]

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

## Section 5: Fire-fighting measures

### 5.1. Extinguishing media

**Extinguishing media:** Alcohol resistant foam. Carbon dioxide (CO<sub>2</sub>). Dry chemical powder. Sand or earth. DO NOT USE WATER.

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

**Exposure hazards:** Highly flammable. May explode in a fire. Solvent vapours may form explosive mixtures with air. The vapour is heavier than air and may travel along the ground, collect in work pits and cellars, creating a fire and respiratory hazard. Vapour may travel considerable distance to source of ignition and flash back. Vapour explosion and poison hazard indoors, outdoors and in sewers. In combustion emits toxic fumes of carbon dioxide / carbon monoxide.

### 5.3. Advice for fire-fighters

**Advice for fire-fighters:** Wear protective clothing to prevent contact with skin and eyes. Wear self-contained breathing apparatus. Cool closed containers exposed to fire with water spray. Do NOT allow run-off from fire fighting to enter drains or water courses.

## Section 6: Accidental release measures

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

**Personal precautions:** Ventilate the area. Eliminate all sources of ignition. No Smoking. Avoid contact with skin and eyes. Avoid inhaling vapour. The vapour is heavier than air and may collect in confined areas creating a respiratory and explosion hazard. Do not attempt to take action without suitable protective clothing (see section 8). Mark out the contaminated area with signs and prevent access to unauthorised personnel.

### 6.2. Environmental precautions

**Environmental precautions:** Do not discharge into drains or rivers. If the product enters drains or sewers, the local water company should be contacted immediately. In the case of contamination of streams, rivers or lakes contact the relevant environment agency. Vapour explosion and poison hazard indoors, outdoors and in sewers.

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

**Clean-up procedures:** Contain and collect spillages with non-combustible absorbent materials, e.g. sand, earth, vermiculite. Transfer into a suitable container for disposal in accordance with the waste regulations (see section 13) Do not use equipment in clean-up procedure which may produce sparks. Clean preferably with a detergent, avoid the use of solvents. Clean-up personnel should use respiratory and/or liquid contact protection.

[cont...]

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### 6.4. Reference to other sections

## Section 7: Handling and storage

### 7.1. Precautions for safe handling

**Handling requirements:** Ensure there is sufficient ventilation of the area. Avoid inhalation of vapour. Avoid skin and eye contact. Smoking, eating and drinking should be prohibited in areas of storage and use. Emergency shower and eye wash facilities should be readily available. Exclude sources of heat, sparks and open flame. Earth any equipment used in handling. Use non-sparking tools. The Manual Handling Operations Regulations may apply to the handling of containers of this product.

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

**Storage conditions:** Keep in cool, dry, ventilated storage and tightly closed containers. Keep away from direct sunlight. Exclude sources of heat, sparks and open flame. Take precautionary measures to prevent product spills into drains, the ground or waters.

**Suitable packaging:** Ideally, keep in original container. If transfer is necessary use glass or coated steel containers. Aluminium is not suitable.

### 7.3. Specific end use(s)

## Section 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Workplace exposure limits:

#### Respirable dust

State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
UK	208mg/m <sup>3</sup> , 50ppm	416mg/m <sup>3</sup> , 100ppm	-	-

#### Hazardous ingredients:

##### ETHANOL

#### Workplace exposure limits:

#### Respirable dust

State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
UK	1920 mg/m <sup>3</sup>	-	-	-

##### BUTAN-1-OL

UK	-	154 mg/m <sup>3</sup>	-	-
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##### METHANOL

UK	266 mg/m <sup>3</sup>	333 mg/m <sup>3</sup>	-	-
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### 8.1. DNEL/PNEC Values

DNEL / PNEC No data available.

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### 8.2. Exposure controls

**Engineering measures:** Provide adequate ventilation. Where reasonably practicable, this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and/or solvent vapours below the relevant occupational exposure limits, suitable respiratory protective equipment should be worn (see Respiratory protection below).

**Respiratory protection:** If there is a risk of exposure to high vapour concentrations, use respiratory protective equipment. All personal protective equipment, including respiratory protective equipment, used to control exposure to hazardous substances must be selected to meet the requirements of the COSHH Regulations.

**Hand protection:** Where repeated skin exposure may occur, wear Nitrile gloves. Wash hands thoroughly after handling chemicals.

**Eye protection:** Eye protection designed to protect against liquid splashes should be worn. Ensure eye bath is to hand.

**Skin protection:** Overalls are normally suitable, PVC apron if risk of splashing.

### Section 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

**State:** Liquid

**Colour:** Clear.

**Odour:** Pungent

**Solubility in water:** Partially miscible.

**Boiling point/range°C:** 82

**Flash point°C:** 2

**Relative density:** 0.810 @ 20 C

#### 9.2. Other information

**Other information:** No data available.

### Section 10: Stability and reactivity

#### 10.1. Reactivity

#### 10.2. Chemical stability

**Chemical stability:** Stable under normal storage and handling conditions (see Section 7).

#### 10.3. Possibility of hazardous reactions

#### 10.4. Conditions to avoid

**Conditions to avoid:** Avoid heat, flames and sparks. Moisture. Direct sunlight.

#### 10.5. Incompatible materials

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

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### 10.6. Hazardous decomposition products

**Haz. decomp. products:** In combustion emits toxic fumes of carbon dioxide / carbon monoxide.

### Section 11: Toxicological information

#### 11.1. Information on toxicological effects

##### Hazardous ingredients:

##### 2-BUTANONE OXIME

ORL	MUS	LD50	1	gm/kg
ORL	RAT	LD50	930	mg/kg
SCU	RAT	LD50	2702	mg/kg

##### ETHANOL

IVN	RAT	LD50	1440	mg/kg
ORL	MUS	LD50	3450	mg/kg
ORL	RAT	LD50	7060	mg/kg

##### BUTAN-1-OL

IVN	RAT	LD50	310	mg/kg
ORL	MUS	LD50	2680	mg/kg
ORL	RAT	LD50	790	mg/kg

##### METHANOL

IVN	RAT	LD50	2131	mg/kg
ORL	MUS	LD50	7300	mg/kg
ORL	RAT	LD50	5628	mg/kg

##### Relevant effects for mixture:

Effect	Route	Basis
Acute toxicity (harmful)	INH DRM	Hazardous: calculated
Irritation	OPT INH	Hazardous: calculated
Sensitisation	DRM	Hazardous: calculated

#### Symptoms / routes of exposure

**Skin contact:** May cause irritation on prolonged or repeated contact.

**Eye contact:** Irritation.

**Ingestion:** Harmful, causing internal irritation. May cause nausea, vomiting, dizziness and unconsciousness.

**Inhalation:** Harmful by inhalation. There may be irritation of nose, throat and respiratory tract. Dizziness, loss of coordination, nausea and vomiting may occur.

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## Section 12: Ecological information

### 12.1. Toxicity

**Ecotoxicity values:** No data available.

### 12.2. Persistence and degradability

**Persistence and degradability:** Expected to be biodegradable.

### 12.3. Bioaccumulative potential

**Bioaccumulative potential:** Not expected to bioaccumulate.

### 12.4. Mobility in soil

**Mobility:** Volatile. Partially soluble in water. Partially absorbed into soil. The product should not be allowed to enter drains or water courses or be deposited where it can affect ground or surface waters.

### 12.5. Results of PBT and vPvB assessment

**PBT identification:** This product is not identified as a PBT substance.

### 12.6. Other adverse effects

**Other adverse effects:** It is unlikely this material will present an environmental hazard.

## Section 13: Disposal considerations

### 13.1. Waste treatment methods

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

## Section 14: Transport information

### 14.1. UN number

**UN number:** UN1263

### 14.2. UN proper shipping name

### 14.3. Transport hazard class(es)

**Transport class:** 3

### 14.4. Packing group

### 14.5. Environmental hazards

**Environmentally hazardous:** No

**Marine pollutant:** No

### 14.6. Special precautions for user

## Section 15: Regulatory information

[cont...]



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### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

### 15.2. Chemical Safety Assessment

**Chemical safety assessment:** Safety Data Sheet complies with UK regulatory references in accordance with CHIP 3.1.

## Section 16: Other information

### Other information

**Other information:** This safety data sheet is prepared in accordance with Commission Regulation (EU) No 453/2010.

\* indicates text in the SDS which has changed since the last revision.

**Phrases used in s.2 and 3:** EUH066: Repeated exposure may cause skin dryness or cracking.  
H225: Highly flammable liquid and vapour.  
H226: Flammable liquid and vapour.  
H301: Toxic if swallowed.  
H302: Harmful if swallowed.  
H311: Toxic in contact with skin.  
H312: Harmful in contact with skin.  
H315: Causes skin irritation.  
H317: May cause an allergic skin reaction.  
H318: Causes serious eye damage.  
H319: Causes serious eye irritation.  
H331: Toxic if inhaled.  
H332: Harmful if inhaled.  
H335: May cause respiratory irritation.  
H336: May cause drowsiness or dizziness.  
H351: Suspected of causing cancer <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.  
H370: Causes damage to organs <or state all organs affected, if known> <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.  
R10: Flammable.  
R11: Highly flammable.  
R20/21: Harmful by inhalation and in contact with skin.  
R20: Harmful by inhalation.  
R21: Harmful in contact with skin.  
R22: Harmful if swallowed.  
R23/24/25: Toxic by inhalation, in contact with skin and if swallowed.  
R36/37: Irritating to eyes and respiratory system.  
R37/38: Irritating to respiratory system and skin.  
R37: Irritating to respiratory system.  
R39/23/24/25: Toxic: danger of very serious irreversible effects through inhalation, in

[cont...]

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contact with skin and if swallowed.

R40: Limited evidence of a carcinogenic effect.

R41: Risk of serious damage to eyes.

R43: May cause sensitisation by skin contact.

R66: Repeated exposure may cause skin dryness or cracking.

R67: Vapours may cause drowsiness and dizziness.

**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. As the specific conditions of use of the product are outside the supplier's control, the user is responsible for ensuring that the requirements of relevant legislation are complied with.

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