

CELLULOSE THINNERS

SECTION 1: IDENTIFICATION OF SUBSTANCE/PREPARATION & COMPANY

Product/Material: Cellulose Thinners
Part No: CT-115
Supplier: R.K. & J. Jones Limited
Address: Southery Road, Feltwell
 Thetford, Norfolk, IP26 4EH, UK.
Telephone: 01842 828101

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

<u>NAME</u>		<u>CONTENT</u>	
<u>CAS NO:</u>	<u>EINECS No:</u>	<u>CLASSIFICATION</u>	
ISO BUTANOL 78-83-1	201-148-0	[-] R10; [Xi] R37/38; [Xi] R41; [-] R67	1-10%
ETHYL ACETATE 141-78-6	205-500-4	[F] R11; [Xi] R36; [-] R66; [-] R67	1-10%
N PROPYL ACETATE		[F] R11; [Xi] R36; [-] R66; [-] R67	1-10%
TOLUENE 108-88-3	203-625-9	[F] R11; [Xi] R38; [Xn] R48/20; [Xn] R63; [Xn] R65; [-] R67	30-50%
N BUTYL ACETATE 123-86-4	204-658-1	[-] R10; [-] R66; [-] R67	1-10%
ACETONE 67-64-1	200-662-2	[F] R11; [Xi] R36; [-] R66; [-] R67	10-30%
ACETONE 67-64-1	200-622-2	[F] R11; [Xi] R36; [-] R66; [-] R67	1-10%
ETHANOL 64-17-5	200-578-6	[F] R11	1-10%
ETHYL METHYL KETONE 78-93-3	201-159-0	[F] R11; [Xi] R36; [-] R66; [-] R67	1-10%

The full text for all R-Phrases are displayed in Section 16

SECTION 3: HAZARDS IDENTIFICATION

Main hazards: Highly flammable. Harmful by inhalation and in contact with skin. Irritating to eyes and skin. Possible risk of harm to the unborn child.

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

SECTION 4: FIRST AID MEASURES

Inhalation:	There may be irritation of the throat with a feeling of tightness in the chest. Exposure may cause coughing or wheezing. Remove victim immediately from source of exposure. Provide rest, warmth and fresh air. Get medical attention if any discomfort continues.
Ingestion:	There may be soreness and redness of the mouth and throat. DO NOT INDUCE VOMITING! NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS! If vomiting occurs keep head low so that stomach content doesn't get into the lungs. Promptly get affected personnel to drink large volumes of water to dilute the swallowed chemical. Get medical attention immediately.
Skin:	There may be irritation and redness at the site of contact. Remove affected person from source of contamination. Remove all contaminated clothes and footwear immediately unless stuck to skin. Wash immediately with plenty of soap and water. Get medical attention if any discomfort continues.
Eyes:	There may be irritation and redness. The eyes may water profusely. Make sure to remove any contact lenses from the eyes before rinsing. Wash out with plenty of water. Obtain medical attention if soreness or redness persists.

SECTION 5 : FIRE FIGHTING MEASURES

Extinguishing Media:	Alcohol resistant foam. Water Spray. Carbon dioxide. Dry chemical powder. Use water spray to cool containers.
Special Fire fighting Procedures:	Move container from fire area if it can be done without risk. Cool containers exposed to flames with water until well after the fire is out. Avoid water in straight hose stream; will scatter and spread fire. Keep run off water out of sewers and water sources. Dike for water control. If risk or water pollution occurs notify appropriate authorities.
Unusual Fire & Explosion 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.
Protective measures In fire:	Wear self-contained breathing apparatus and full protective clothing.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precaution In spill:	Wear suitable protective clothing as specified under section 8 of this safety data sheet – Exposure Controls and Personal Protection. 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.
Precautions to protect Environment:	Do not allow spilled material to enter drains or water courses. Contain the spillage using bunding.
Spill Cleanup Methods:	Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Absorb in vermiculite, dry sand or earth and place into containers.

SECTION 7 : HANDLING AND STORAGE

- Usage Precautions:** 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 Precautions:** 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.
- Storage Criteria:** Must only be kept in original packaging.

SECTION 8 : EXPOSURE CONTROLS / PERSONAL PROTECTION

<u>INGREDIENT NAME</u>	<u>WEL (8 hr TWA)</u>	<u>WEL (15 min STEL)</u>
ISO BUTANOL	154 mg/m ³	231 mg/m ³
ETHYL ACETATE	400 ppm	
TOLUENE	191 mg/m ³	574 mg/m ³
N BUTYL ACETATE	724 mg/m ³	966 mg/m ³
ACETONE	1210 mg/m ³ (OES)	3620 mg/me (OES)
ETHANOL	1920 mg/m ³	
ETHYL METHYL KETONE	600 mg/m ³	899 mg/m ³

PROTECTIVE EQUIPMENT:



- Ventilation:** Must not be handled in confined space without sufficient ventilation. Provide adequate general and local exhaust ventilation. Ensure lighting and electrical equipment are not a source of ignition.
- Respirators:** Self-contained breathing apparatus must be available in case of emergency.
- Hand Protection:** Protective gloves.
- Eye Protection:** Safety glasses. Face-shield. Ensure eye bath is to hand.
- Skin Protection:** Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact.
- Hygienic Work Practices:** DO NOT SMOKE IN WORK AREA! Wash at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated. No eating or drinking while working with this material.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES.

- Appearance:** Liquid
- Colour:** Colourless
- Odour:** Characteristic odour
- Flash Point (°C):** 0-21

SECTION 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. Reducing agents. Strong acids.
Hazardous Decomp. Products:	Fire creates: Carbon Monoxide (CO). Carbon Dioxide (CO ₂)

SECTION 11: TOXICOLOGICAL INFORMATION

Hazardous ingredients:	ETHYL ACETATE ORL MUS LD50 4100 mg/kg; ORL RAT LD50 5620 mg/kg; SCU RAT LD50 5gm/kg
	TOLUENE IVN RAT LD50 1960 mg/kg; ORL MUS LD50 2gm/kg; ORL RAT LD50 6900 mg/kg
	N BUTYL ACETATE IHL MUS LC50 9.6-29.2 mg/litre/4h; ORL RAT LE50 >4700 ms/kg
	ACETONE IVN RAT LD50 5500 mg/kg; ORL MUS LD50 3 gm/kg; ORL RAT LD50 5800 mg/kg
	ETHANOL IVN RAT LD50 1440 mg/kg; ORL MIS LD50 3450 mg/kg; ORL RAT LD50 7060 mg/kg

SECTION 12 : ECOLOGICAL INFORMATION

Mobility:	Readily absorbed into soil.
Persistence and Degradability:	Biodegradable.
Bioaccumulative Potential:	No bioaccumulation potential
Other adverse effects:	Negligible ecotoxicity.

SECTION 13: DISPOSAL CONSIDERATIONS

Disposal Methods:	Empty containers must not be burned because of explosion hazard. Arrange for collection by specialised disposal company. Dispose of in accordance with Local Authority requirements regarding disposal.
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SECTION 14 : TRANSPORT INFORMATION

ADR/RID	
UN no: 1263	ADR Class: 3
Packing Group: II	Classification code: F1
Shipping name: PAINT RELATED MATERIAL	V.O.C. 0.840g / LTR (XYLENE; TOLUENE)
Labelling: 3	Hazard ID no: 33

**IMDG/IMO**

UN no: 1263

Packing Group: II

Marine pollutant: .

Labelling: 3

Class: 3

Ems: F-E, S-E*

IATA/ICAO

UN no: 1263

Packing group: II

Packing instructions: 305(P&CA); 307(CAO)

Labelling: 3

Class: 3

SECTION 15 : REGULATORY INFORMATION**Supply:**

Highly flammable.



HIGHLY FLAMMABLE

Harmful



HARMFUL

Risk Phrases:**R11:** Highly flammable.**R20/21:** Harmful by inhalation and in contact with skin.**R36/38:** Irritating to eyes and skin.**R63:** Possible risk of harm to the unborn child.**Safety Phrases:****S16:** Keep away from sources of ignition – No smoking.**S24/25:** Avoid contact with skin and eyes.**S26:** In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.**S51:** Use only in well-ventilated areas.**S36/37:** Wear suitable protective clothing and gloves.**S60:** This material and it's container must be disposed of as hazardous waste.**S9:** Keep container in a well-ventilated place.**Haz. Ingredients (label):**

XYLENE, TOLUENE

Guidance Notes:

Occupational Exposure Limits EH40 CHIP for everyone. HSG (108)

SECTION 16 : OTHER HEALTH AND SAFETY INFORMATION**Risk phrases used in s.3:****R10:** Flammable**R37/38:** Irritating to respiratory system and skin.**R41:** Risk of serious damage to eyes.**R67:** Vapours may cause drowsiness and dizziness.**R11:** Highly flammable**R36:** Irritating to eyes.**R66:** Repeated exposure may cause skin dryness or cracking.**R38:** Irritating to skin.**R48/20:** Harmful: danger of serious damage to health by prolonged exposure through inhalation.**R63:** Possible risk of harm to the unborn child.**R65:** Harmful: may cause lung damage if swallowed.

References should be made to the Health & Safety at Work Act.

Disclaimer:

If this product is re-distributed and re-formulated for sale, details of its hazards and recommended methods for safe handling must be passed to customers. Customers are urged to ensure that the product is entirely suitable for their own purpose. It is the customer's responsibility to ensure that a suitable and sufficient assessment of the risks created by a work activity using this product is undertaken before this product is used.

Note: The information contained in this Safety Data Sheet does not constitute the users own assessment of workplace risk as required by other Health & Safety Legislation (e.g. the Health and Safety at Work Act,1974;the control of Substances Hazardous to Health Regulations,1988). The data given here is based on current knowledge and experience. The purpose of this data sheet is to describe the products in terms of their safety requirements. The data does not signify any warranty with regard to the product's properties.