


Bird Brand

 Revised 17th December, 2014

MATERIAL SAFETY

DATA SHEET

Cellulose Thinners

SECTION 1: IDENTIFICATION OF SUBSTANCE/PREPARATION & COMPANY

1.1 Product identifier

Product name: **PREMIUM THINNER**

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: R.K.& J. Jones Ltd
 Southery Road,
 Feltwell,
 Thetford,
 Norfolk
 IP26 4EH.
 Tel: 01842 828101
 Fax: 01842 828171
 Email: sales@birdbrand.co.uk

1.4 Emergency telephone number

Telephone: **01842 828101**

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification under CHIP: F: R11; Xi: R36/38; Xn: R48/20; N: R51/53; Xn: R63;
 Xn: -: R66; -: R67

Classification under CLP: Asp. Tox. 1: H304; Aquatic Chronic 2: H411; Eye Dam. 1: H318;
 Flam Liq. 1: H224; Repr. 2: H361f; Skin Irrit. 2: H315;
 STOT SE 3: H336

Most important adverse effects: Highly flammable. Irritating to eyes and skin. Harmful: danger of serious damage to health by prolonged exposure through inhalation. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Possible risk of the harm to the unborn child. Harmful: may cause lung damage if swallowed. Repeated exposure may cause skin dryness or cracking. Vapours may cause drowsiness and dizziness.

2.2 Label Elements

Label elements under CLP:

Hazard statements: H224: Extremely flammable liquid and vapour
 H304: May be fatal if swallowed and enters airways.
 H315: Causes skin irritation.

H318: Causes serious eye damage.
 H336: May cause drowsiness or dizziness.
 H361f: Suspected of damaging fertility.
 H411: Toxic to aquatic life with long lasting effects.

Signal words:

Danger

Hazard pictograms:

GHS02: Flame
 GHS07: Exclamation mark
 GHS08: Health hazard
 GHS09: Environmental

**Precautionary statements:**

P280: wear protective gloves/protective clothing/eye protection/face protection.
 P301+310: IF SWALLOWED: immediately call a POISON CENTER or doctor.
 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.

Label elements under CHIP:**Hazard symbols:**

Highly flammable
 Harmful.
 Dangerous for the environment.

**Risk Phrases:**

R11: Highly Flammable.
 R36/38: Irritating to eyes and skin.
 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.
 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.

Safety Phrases:

S2: Keep out of the reach of children.

S29: Do not empty in drains

S36/37: Wear suitable protective clothing and gloves.

S61: Avoid release to the environment. Refer to special instructions / safety data sheets.

S62: If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

2.3 Other hazards

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

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures

Hazardous ingredients:

NORMAL BUTYL ACETATE

EINECS	CAS	CHIP Classification	CLP Classification	Percent
204-658-1	123-86-4	-: R10; -: R66; -: R67 Substance with a Community workplace exposure limit.	Flam. Liq. 3: H226; STOT SE 3: H336; -: EUH066	20.800%

TOLUENE - REACH registered number(s): 01-2119471310-51-XXXX

203-625-9	108-88-3	F: R11; Xi: R38; Xn: R48/20; Xn: R63; Xn: R65; -: R67	Flam. Liq. 2: H225; Repr. 2: H361d; Asp. Tox. 1: H304; STOT RE 2: H373; Skin Irrit. 2: H315; STOT SE 3: H336	8.000%
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BUTAN-2-OL

201-158-5	78-92-2	-: R10; Xi: R36/37; -: R67	Flam. Liq. 3: H226; Eye Irrit. 2: H319; STOT SE 3: H335; STOT SE 3: H336	4.000%
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NORMAL BUTANOL - REACH registered number(s): 01-2119484630-38-XXXX

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	4.000%
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CYCLOHEXANE

203-806-2	110-82-7	F: R11; Xi: R38; Xn: R65; -: R67; N: R50/53	Flam. Liq. 2: H225; Asp. Tox. 1: H304; Skin Irrit. 2: H315; STOT SE 3: H336; Aquatic Chronic 1: H410; Aquatic Acute 1: H400	4.000%
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ETHANOL

200-578-6	64-17-5	F: R11 Substance with a Community workplace exposure limit.	Flam. Liq. 2: H225	4.000%
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ETHYLBENZENE

202-849-4	100-41-4	F: R11; Xn: R20	Flam. Liq. 2: H225; Acute Tox. 4: H332	4.000%
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HEPTANE - REACH registered number(s): 01-2119475515-33-XXXX

205-563-8	142-82-5	F: R11; Xn: R65; Xi: R38; -: R67; N: R50/53	Flam. Liq. 2: H225; Asp. Tox. 1: H304; Skin Irrit. 2: H315; STOT SE 3: H336; Aquatic Acute 1: H400; Aquatic Chronic 1: H410	4.000%
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N-HEXANE

203-777-6	110-54-3	F: R11; Xi: R38; Xn: R48/20; Xn: R62; Xn: R65; -: R67; N: R51/53	Flam. Liq. 2: H225; Repr. 2: H361f; Asp. Tox. 1: H304; STOT RE 2: H373; Skin Irrit. 2: H315; STOT SE 3: H336; Aquatic Chronic 2: H411	4.000%
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ISOPROPANOL

200-661-7	67-63-0	F: R11; Xi: R36; -: R67	Flam. Liq. 2: H225; Eye Irrit. 2: H319; STOT SE 3: H336	4.000%
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N-PROPANOL - REACH registered number(s): 01-2119486461-29-XXXX

200-746-9	71-23-8	F: R11; Xi: R41; -: R67	Flam. Liq. 2: H225; Eye Dam. 1: H318; STOT SE 3: H336; STOT SE 3: H335	4.000%
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1006 XYLENE

215-535-7	1330-20-7	-: R10; Xn: R20/21; Xi: R38	Flam. Liq. 3: H226; Acute Tox. 4: H332; Acute Tox. 4: H312; Skin Irrit. 2: H315	4.000%
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METHANOL - REACH registered number(s): 01-2119433307-44-XXXX

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	0.800%
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SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

Skin contact:	Wash immediately with plenty of soap and water. 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:	Do not induce vomiting. Wash out mouth with water. Consult a doctor.
Inhalation:	Move to fresh air in case of accidental inhalation of vapours. If unconscious, check for breathing and apply artificial respiration if necessary. Consult a doctor.

4.2 Most important symptoms and effects, both acute and delayed

Skin contact:	There may be redness or whiteness of the skin in the area of exposure. An itchy rash may occur at the site of contact.
Eye contact:	There may be irritation and pain.
Ingestion:	Severe poisoning can cause unconsciousness and severe and persistent nausea and vomiting.
Inhalation:	There may be irritation of the throat with a feeling of tightness in the chest. There may be feeling of tightness in the chest with shortness of breath.

Delayed/immediate effects: There may be drowsiness, slurred speech, muscular weakness, muscle twitching, tremor, blurred vision, dilated pupils and shock. There may be vomiting and diarrhoea.

4.3 Indication of any immediate medical attention and special treatment needed

Immediate/special treatment: Eye bathing equipment should be available on the premises.

SECTION 5: FIRE FIGHTING MEASURES

5.1 Extinguishing Media

Extinguishing media: Alcohol resistant foam. Carbon dioxide. Dry chemical powder.

5.2 Special hazards arising from the substance or mixture

Exposure hazards: Vapour may travel considerable distance to source of ignition and flash back. May form flammable/explosive air-vapour mixture. Highly flammable.

5.3 Advice for firefighters

Advice for firefighters: Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions: Refer to section 8 of SDS for personal protection details. Do not attempt to take action without suitable protective clothing – see section 8 of SDS

6.2 Environmental precautions:

Environmental precautions: Do not discharge into drains or rivers. Contain the spillage using bunding. Alert the neighbourhood to the presence of the fumes or gas.

6.3 Methods and material for containment and cleaning up

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 product sparks. Mix with sand or vermiculite.

6.4 Reference to other sections

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. Smoking is forbidden. Use non-sparking tools.

7.2 Conditions for safe storage, including any incompatibilities

Storage conditions: Store in cool, well-ventilated area. Keep away from sources of ignition. Keep container tightly closed. Prevent the build-up of electrostatic charge in the immediate area.

Suitable packaging: Must only be kept in original packaging

7.3 Specific end use(s)

Specific end use(s):

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION.

8.1 Control parameters

Hazardous ingredients:

NORMAL BUTYL ACETATE

Workplace exposure limits:

Respirable dust

State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
UK	724 mg/m ³	966 mg/m ³	-	-

TOLUENE

UK	191 mg/m ³	384 mg/m ³	-	-
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BUTAN-2-OL

UK	308 mg/m ³	462 mg/m ³	-	-
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NORMAL BUTANOL

UK	-	154 mg/m ³	-	-
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CYCLOHEXANE

UK	350 mg/m ³	1050 mg/m ³	-	-
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ETHANOL

UK	1920 mg/m ³	-	-	-
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ETHYLBENZENE

UK	441 mg/m ³	552 mg/m ³	-	-
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HEPTANE

UK	2100 mg/m ³	8400 mg/m ³	-	-
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N-HEXANE

UK	72 mg/m ³	-	-	-
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ISOPROPANOL

UK	999 mg/m ³	1250 mg/m ³	-	-
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N-PROPANOL

UK	500 mg/m ³	625 mg/m ³	-	-
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1006 XYLENE

UK	220 mg/m ³	441 mg/m ³	-	-
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METHANOL

UK	266 mg/m ³	333 mg/m ³	-	-
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8.1 DNEL/PNEC Values

DNEL/PNEC No data available

8.2 Exposure controls

Engineering measures: Ensure there is sufficient ventilation of the area. Ensure all engineering measures mentioned in section 7 of SDS are in place.

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

Hand protection: Protective gloves.

Eye protection: Tightly fitting safety goggles.

Skin protection: Solvent resistant protective clothing.

Environmental: Prevent from entering in public sewers or the immediate environment.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**9.1 Information on basic physical and chemical properties**

State: Liquid

Colour: Colourless

Odour: Unpleasant

Viscosity: Non-viscous

Flash point °C: <21

VOC g/l: 840

9.2 Other information

Other information: No data available

SECTION 10: STABILITY AND REACTIVITY**10.1 Reactivity**

Reactivity: Stable under recommended transport or storage conditions.

10.2 Chemical stability

Chemical stability: Stable under normal conditions.

10.3 Possibility of hazardous reactions

Hazardous reactions: Hazardous reactions will not occur under normal transport or storage conditions.

10.4 Conditions to avoid

Conditions to avoid: Heat. Sources of ignition. Flames.

10.5 Incompatible materials

Materials to avoid: Strong oxidising agents.

10.6 Hazardous decomp.products

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

SECTION 11: TOXICOLOGICAL INFORMATION**Hazardous ingredients:****NORMAL BUTYL ACETATE**

ORL	MUS	LD50	6	gm/kg
ORL	RAT	LD50	10768	mg/kg

TOLUENE

IVN	RAT	LD50	1960	mg/kg
ORL	MUS	LD50	2	gm/kg
ORL	RAT	LD50	6900	mg/kg

BUTAN-2-OL

IVN	RAT	LD50	138	mg/kg
ORL	RAT	LD50	2193	mg/kg
SKN	RAT	LD50	>2	gm/kg

NORMAL BUTANOL

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

CYCLOHEXANE

ORL	MUS	LD50	813	mg/kg
ORL	RAT	LD50	12705	mg/kg

ETHANOL

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

ETHYLBENZENE

IPR	MUS	LD50	2624	µl/kg
ORL	RAT	LD50	3500	mg/kg

HEPTANE

IVN	MUS	LD50	222	mg/kg
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N-HEXANE

IPR	RAT	LDLO	9100	mg/kg
IVN	MUS	LDLO	831	mg/kg
ORL	RAT	LD50	25	gm/kg

ISOPROPANOL

IVN	RAT	LD50	1088	mg/kg
ORL	MUS	LD50	3600	mg/kg
ORL	RAT	LD50	5045	mg/kg
SCU	MUS	LDLO	6	gm/kg

N-PROPANOL

IVN	RAT	LD50	590	mg/kg
ORL	MUS	LD50	6800	mg/kg
ORL	RAT	LD50	1870	mg/kg

1006 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

Relevant effects for mixture:

Effect	Route	Basis
Irritation	OPT DRM	Hazardous: calculated
Repeated dose toxicity	INH	Hazardous: calculated

Symptoms/routes of exposure**Skin contact:**

There may be redness or whiteness of the skin in the area of exposure. An itchy rash may occur at the site of contact.

Eye contact:

There may be irritation and pain.

Ingestion:

Severe poisoning can cause unconsciousness and severe and persistent nausea and vomiting.

Inhalation:

There may be irritation of the throat with a feeling of tightness in the chest. There may be feeling of tightness in the chest with shortness of breath.

Delayed/immediate effects:

There may be drowsiness, slurred speech, muscular weakness, muscle twitching, tremor, blurred vision, dilated pupils and shock. There may be vomiting and diarrhoea.

SECTION 12: ECOLOGICAL INFORMATION**12.1 Toxicity**

Eco-toxicity values: No data available.

12.2 Persistence and degradability

Persistence and degradability: No data available.

12.3 Bio-accumulative potential

Bio-accumulative potential: No data available.

12.4 Mobility in soil

Mobility: Highly volatile.

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: Toxic to aquatic organisms.

SECTION 13 : DISPOSAL CONSIDERATIONS**13.1 Waste treatment methods**

Disposal operations: Transfer to a suitable container and arrange for collection by specialised disposal company.

Recovery operations: Solvent reclamation/regeneration

Waste code number: 08.01.11

Disposal of packaging: Arrange for collection by specialised disposal company.

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: UN 1263

14.2 UN Proper shipping name

Shipping name: PREMIUM THINNERS

14.3 Transport hazard class(es)

Transport class: 3

14.4 Packing group

Packing group: II

14.5 Environmental hazards

Environmentally hazardous: YES Marine Pollutant: YES

14.6 Special precautions for user

Tunnel code: D/E

Transport category: 1

SECTION 15: REGULATORY INFORMATION**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture****15.2 Chemical Safety Assessment**

Chemical safety assessment: A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

SECTION 16: 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 S2/S3: EUH066: Repeated exposure may cause skin dryness or cracking
H224: Extremely flammable liquid and vapour
H225: Highly Flammable liquid and vapour.
H226: Flammable liquid and vapour.
H301: Toxic if swallowed.
H302: Harmful 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.
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.
H361d: Suspected of damaging the unborn child.
H361f: Suspected of damaging fertility.
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>
H373: May cause damage to organs<or state all organs affected, if known>through prolonged or repeated exposure<state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>
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
R20/21: Harmful by inhalation, in contact with skin
R20: Harmful by inhalation.
R21: Harmful if swallowed.
R23/24/25: Toxic by inhalation, in contact with skin and if swallowed.
R36/37: Irritating to eyes and respiratory system.
R36/38: Irritating to eyes and skin.
R36: Irritating to eyes.
R37/38: Irritating to respiratory system and skin
R38: Irritating to skin.
R39/23/24/25: Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed.

- R41: Risk of serious damage to eyes.
- 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 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:

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.

INPUT BY A.C

CHECKED BY F.C