

Safety Data Sheet

NOTE: Access to a copy of this Safety Data Sheet (SDS) via our Website does not constitute the issue of a controlled Copy under EU legislation. To be issued with such a copy please contact Rentokil Initial at the address below by telephone, fax or in writing. In order to confirm the latest version of the SDS for this product see web: www.ri-research.com and click on Technical Information / Product Safety.

REVISION (see box 16)

Issue : 07 03 : 08 : 2007

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY	
Product Name	SEALING FLUID
Description	A solvent-based lacquer for use by professional operators to seal Rentokil Bird Repellent Strip, to reduce the risk of entanglement by birds. A light blue liquid with a solvent-type odour.
Company	Rentokil Initial Supplies, Liverpool, L33 7SR. Product advice line: +44 (0) 151 548 5050 Emergency line: 0800 731 6 731 / +44 (0) 1342 833022

2 HAZARD IDENTIFICATION	
Classification (Supply – Use) : In compliance with EC Directive 1999/45.	
F	Highly flammable
X_n	Harmful R20/21 Harmful by inhalation and in contact with skin. R36/38 Irritating to eyes and skin.
Adverse Physical, Chemical, Significant Human Health and Environmental Effects (See also box 11):	
Highly flammable; avoid contact with sources of ignition and use in well-ventilated areas.	
Ingestion may cause nausea, headache, dizziness, diarrhoea and intoxication. May cause liver and / or renal damage. Inhalation of high concentrations may depress the central nervous system causing dizziness and intoxication.	

3 COMPOSITION / INFORMATION ON INGREDIENTS (SEE ALSO BOX 16)		
% w/w	Common*/Chemical Name, ELINCS/EINECS & CAS No. of Ingredients	EC 1999/45 Classification
> 2.5 ≤ 10.0	Butan-1-ol EINECS : 200-751-6 CAS : 71-36-3	R10 X _n : R22 X _i : R36/38 ; R41
> 10.0 ≤ 25.0	Butyl acetate EINECS : 204-658-1 CAS : 123-86-4	R67 R10 R67
> 2.5 ≤ 10.0	Propan-2-ol EINECS : 200-661-7 CAS : 67-63-0	R67 F : R11 X _i : R36
> 50.0 ≤ 100.0	Xylene EINECS : 215-535-7 CAS : 1330-20-7	R67 R10 X _n : R20/21 X _i : R38

SEALING FLUID

4 FIRST-AID MEASURES (SEE ALSO “ADVERSE EFFECTS” IN BOX 2)	
Inhalation	Remove patient to fresh air, keep warm and at rest. Apply supportive measures if necessary and seek medical attention.
Eye Contact	Rinse affected eye with clean running water, or eyewash solution, for at least 15 minutes holding eyelids well apart. Rinse entire surface and do not allow run-off to contaminate unaffected eye. Seek medical attention.
Skin Contact	Remove and wash contaminated clothing immediately. Wash affected area thoroughly with soap and water. If the patient feels unwell seek medical advice.
Ingestion (Swallowing)	Do NOT induce vomiting. If unconscious place in the recovery position and apply supportive measures if necessary. If conscious give patient up to ½ litre or 1 pint of water to drink. Seek medical attention.
Emergency Equipment Suggested	Appropriate first-aid equipment should be provided. For the UK this should be in accordance with the Health & Safety (First-Aid) Regulations 1981. See also the Approved Code of Practice “First-aid at Work”.
Note To Doctor	Further information on all Rentokil Initial formulations is lodged with the National Poisons Information Service in the UK.

5 FIRE FIGHTING MEASURES	
Fire Extinguisher Type	Use carbon dioxide, alcohol-resistant foam, water-fog, or dry powder extinguishers. Do NOT use a water jet as this will spread the fire.
Special Fire-Fighting Procedures	Wear suitable personal protective equipment.
Special Exposure Hazards	Avoid breathing vapours. Combustion may form carbon dioxide, carbon monoxide and corrosive gases.

6 ACCIDENTAL RELEASE MEASURES	
Personal Precautions (See also box 8)	Wear suitable personal protective equipment.
Environmental Precautions	None necessary under normal conditions of handling and use.
Clean-up Procedure (See also box 13)	Absorb spill with an inert material such as sand, earth or sawdust. Transfer to a suitable container for subsequent disposal.

7 HANDLING AND STORAGE (SEE ALSO BOX 8)	
Handling Storage	No specific handling requirements. Store in original container in a cool, dry, ventilated place out of the reach of children and away from food, drink and animal feeding stuffs. Keep away from sources of ignition. Take precautionary measures against static discharges.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION	
Exposure Standard - Directive EC/98/24 (1st IOELV Directive)	Workplace Exposure Limit (WEL) for xylene is 220 mg/m ³ long-term exposure (8 hour Time Weighted Average) and 441 mg/m ³ short-term exposure (15 minute reference period). Can be absorbed through the skin. For propan-2-ol is 999 mg/m ³ long-term exposure (8 hr TWA) and 1250 mg/m ³ short-term exposure (15 minute reference period). For butan-1-ol is 154 mg/m ³ short-term exposure (15 minute reference period). Can be absorbed through the skin. For butyl acetate is 724 mg/m ³ long-term exposure (8 hr TWA) and 966 mg/m ³ short-term exposure (15 minute reference period).
Engineering Controls	Where exposure may occur, engineering controls, rather than the provision of Personal Protective Equipment (PPE) should be employed. On completion of a risk assessment, the following PPE may be required:
Eye Protection	Label advice indicates none necessary under normal handling and use. However, consider other precautionary requirements.
Hand Protection	Suitable hand protection such as gloves.
Skin Protection	Suitable skin protection such as coveralls.
Breathing Protection	Label advice indicates none necessary under normal handling and use. However, consider other precautionary requirements.
Environmental Exposure Controls	Use only in accordance with instructions given. An ecological hazard assessment indicates no specific restrictions on environmental release.

9 PHYSICAL AND CHEMICAL PROPERTIES			
Appearance and Odour	A light blue liquid with a solvent-type odour.		
pH	Not applicable.	Solubility in Water	Immiscible.
Specific Gravity	Ca. 0.9 at 20°C	Solubility in Other Solvents	Miscible.
Flash Point	Ca. 15°C	Explosive Properties	None.
Flammability	Highly flammable.	Combustibility	Combustible.
Boiling Point/Range	Not determined.	Oxidising Properties	None.
Vapour Density	Not determined.	Evaporation Rate	Not determined.
Vapour Pressure	Not determined.	Partition Coefficient	Not applicable.
Viscosity	Not determined.	Other Data	None known.

SEALING FLUID

10 STABILITY AND REACTIVITY

Conditions to avoid	Avoid sources of ignition and extremes of temperature, e.g. below 0°C and above 40°C.
Materials to avoid	Avoid contact with strong acids and strong oxidising substances.
Hazardous Breakdown Products	Combustion may form carbon dioxide, carbon monoxide and corrosive gases.

11 TOXICOLOGICAL INFORMATION (SEE ALSO BOX 2)


Acute Toxicity	Oral Inhalation Dermal	For (xylene) : LD ₅₀ (rat) : 4300 mg/kg. Not determined. Not determined.
Corrosivity/Irritation	Skin Eyes Respiratory tract	Acts as a defatting agent on skin. May cause cracking of skin and eczema. Repeated exposure may cause chronic eye damage. Contains organic solvents which in cases of over-exposure may depress the central nervous system causing dizziness and intoxication.
Sensitisation	Skin Respiratory	Contains no known skin sensitisers. Contains no known respiratory sensitisers.
Repeat-Dose Toxicity		Product does not contain any components known to have any effects relating to repeated-dose toxicity.
Mutagenicity		Product does not contain any components known to have a mutagenic effect.
Carcinogenicity		Product does not contain any components known to have a carcinogenic effect.
Reproductive Toxicity	Fertility Development	Product does not contain any components known to have effects on fertility. Product does not contain any components known to be toxic to the reproductive system.
Other Information		None known.

12 ECOLOGICAL INFORMATION

General Information	This product does not contain any substances that are classified as dangerous to the environment present above the lower limits of concentration as specified in EC Directive 1999/45. Controlled release of this product is not expected to cause environmental contamination. Use only in accordance with instructions given.
Ecotoxicity Data	For (xylene) : LC ₅₀ (Rainbow trout) (96 hr) : 2.6 - 8.4 mg/L LC ₅₀ (<i>Daphnia magna</i>) (24 hr) : 1.0 - 4.7 mg/L.
Mobility	The solvent components are likely to spread on top of water and evaporate.
Persistence and Degradability	Not determined.
Bioaccumulative Potential	Not determined.
Other Adverse Effects	None known.

13 DISPOSAL CONSIDERATIONS

Disposal of Waste / Containers Classification (Council Directive 91/689/EC, Commission Decision 2000/532/EC (amended) Commission Decision 2001/118/EC))	Under normal circumstances, waste / empty containers will be disposed of by Rentokil Initial. <u>Hazard Code:</u> H3A(i.) - Highly flammable ; H4 - Irritant ; H5 - Harmful <u>Components making the waste hazardous</u> Xylene
Note for Disposal	<u>Concentrations (%):</u> > 50 ≤ 100% For further advice about disposal, in the UK, contact the local office of the Environment Agency (England and Wales) or Scottish Environment Protection Agency. Local rate from anywhere in the UK: +44 (0) 870 850 6506.

14 TRANSPORT INFORMATION (INTERNATIONAL UNLESS OTHERWISE INDICATED)				
UN No.	UN1263	Tremcard Reference No.	CEFIC TEC (R)- 30GF1 - I + II	RIS Code
Transport Category	2	UK Hazchem EAC	3YE	PSB08
ADR 2007 (International Road)	Class 3	ADR HIN	33	Labels
Proper Shipping Name	PAINT			
Limited Quantity Exemptions	Maximum quantity per inner receptacle is 5 litres. Maximum quantity per outer package is 30 kg. Combination packs only.			
Special Requirements	Not required. Packing Group II			
IMDG 2006 (Sea)	Class 3	IMDG EMS	F-E, S-E	
Proper Shipping Name	PAINT			
Limited Quantity Exemptions	Maximum quantity per inner receptacle is 5 litres. Maximum quantity per outer package is 30 kg. Combination packs only.			
Special Requirements	Not required. Packing Group II			
Note for Transport	Local, State or National requirements may apply to the carriage of this product.			

15 REGULATORY INFORMATION (HEALTH AND SAFETY INFORMATION (SEE ALSO BOX 2))	
Safety Phrases	<p>S9 : Keep container in a well-ventilated place.</p> <p>S16 : Keep away from sources of ignition - No smoking.</p> <p>S24/25 : Avoid contact with skin and eyes.</p> <p>S26 : In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.</p> <p>S36/37 : Wear suitable protective clothing and gloves.</p> <p>S51 : Use only in well-ventilated areas.</p> <p>S60 : This material and its container must be disposed of as hazardous waste.</p>
Additional Label Phrases	Not required.
Legislation	<p>Labelling is in accordance with UK regulations implementing the EC Directive 1999/45.</p> <p>Additional labelling requirements may be necessary in accordance with other National legislation. Outside the UK, the registration of this product may be necessary before use and any additional local requirements must be observed at all times.</p> <p>The information given on this Safety Data Sheet (SDS) does not constitute an assessment in accordance with Control of Substances Hazardous to Health (COSHH) Regulations 2002, in the UK. Other National measures or guidance should be followed where appropriate.</p>

16 Other Information and indication of revisions	
Packaging Information	A 500 mL rectangular tin-plate tin, 6 tins packed in a corrugated cardboard carton.
Revisions	Changes have been made to the content of boxes 01, 02, 03, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15 & 16 (as indicated by the thick lines on the left-hand side of the boxes) compared with issue 06.
Risk phrase text (From box 3 - These refer to the ingredients only. See box 2 for the product risk phrases)	<p>R10 : Flammable.</p> <p>R11 : Highly flammable.</p> <p>R20/21 : Harmful by inhalation and in contact with skin.</p> <p>R22 : Harmful if swallowed.</p> <p>R36/38 : Irritating to eyes and skin.</p> <p>R41 : Risk of serious damage to eyes.</p> <p>R50,53 : Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment</p> <p>R66 : Repeated exposure may cause skin dryness or cracking.</p> <p>R67 : Vapours may cause drowsiness and dizziness.</p>

SEALING FLUID

SDS No. 112

Issue : 07

03 : 07 : 2007

Page 4 of 4

Before using any product, ensure that you read and understand its label.

The information contained in this safety data sheet is, to the best of our knowledge and belief, accurate and reliable at the time of publication. The information relates only to the specific material designated in this safety data sheet and may not be valid for such material if it is used in combination with any other material(s) or any other use than that specified herein. Rentokil Initial UK Ltd is not liable for the use of this product for any other purpose than that described in this safety data sheet. This does not affect your statutory rights. It is the user's responsibility to satisfy him/herself as to the suitability in completeness of such information for his/her own particular use.

Copyright © (2007) Rentokil Initial plc, European Technical Centre, Felcourt, East Grinstead, West Sussex. RH19 2JY. United Kingdom.

Telephone: +44 (0) 1293 858000 Fax: +44 (0) 1342 836180 Web: www.ri-research.com