

Safety Data Sheet

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REVISION (see box 16)

Issue : 05 09 : 06 : 2009

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY	
Product Name	ALBI GUARD
Description	A white emulsion, with a paint-like odour, applied as a spray. It is used to provide Class 1 or Class 0 fire protection on internal timbers. When dry, this intumescent surface coating will give a high density matt finish.
Company	Rentokil Initial Supplies, Liverpool, L33 7SR. Product advice line: +44 (0)151 548 5050 Emergency line: +44 (0)1293 858 000 E-mail: sds@rentokil.com

2 HAZARD IDENTIFICATION	
Classification (Supply – Use) : In compliance with EC Directive 1999/45.	
X_n Harmful	R40 Limited evidence of a carcinogenic effect. R43 May cause sensitisation by skin contact.
N Dangerous for the environment	R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Adverse Physical, Chemical, Significant Human Health and Environmental Effects (See also box 11):	
Ingestion may cause nausea and vomiting. May cause irritation to eyes and skin. Inhalation of high vapour concentrations may cause irritation of the respiratory tract. No other significant adverse effects expected under normal conditions of handling and use.	

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	1-Methoxy propan-2-ol EINECS : 203-539-1 CAS : 107-98-2	: R10
>2.5 ≤10.0	Chlorinated paraffins*/Alkanes, C10-C13 chloro EINECS : 85535-84-8 CAS : 287-476-5	X _n : R40 N : R50,53
>2.5 ≤10.0	Titanium dioxide EINECS : 85236-675-5 CAS : 13463-67-7	Not classified.
> 1.0 ≤2.5	Non ionic surfactant* EINECS : Not available CAS : Not available	X _n : R22 X _i : R36 R52,53
≤0.1	Formaldehyde EINECS : 200-001-8 CAS : 50-00-0	T : R23/24/25 : R40 C : R34 X _i : R43
≤0.1	Mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-4-isothiazol-3-one (3:1) EINECS : CIT : 247-500-7 MIT : 220-239-236 CAS : 55965-84-9	T : R23/24/25 C : R34 X _i : R43 N : R50,53

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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, foam or dry powder extinguishers.
Special Fire-Fighting Procedures	Wear suitable personal protective equipment.
Special Exposure Hazards	Ammonia and phosphorous oxides may be evolved on heating.

6 ACCIDENTAL RELEASE MEASURES	
Personal Precautions (See also box 8)	Wear suitable personal protective equipment.
Environmental Precautions	This product is classified as dangerous for the environment. Keep away from drains, surface and ground water, and soil.
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.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION	
Exposure Standard - Directive EC/98/24 (1st IOELV Directive)	Workplace Exposure Limit (WEL) for 1-methoxy propan-2-ol is 375 mg/m ³ long-term exposure (8 hour Time Weighted Average) and 560 mg/m ³ short-term exposure (15 minute reference period). Workplace Exposure Limit (WEL) for ethane-1,2-diol vapour is 52 mg/m ³ long-term exposure (8 hour Time Weighted Average) and 104 mg/m ³ short-term exposure (15 minute reference period). Workplace Exposure Limit (WEL) for ethane-1,2-diol particulate is 10 mg/m ³ long-term exposure (8 hour Time Weighted Average). Workplace Exposure Limit (WEL) for formaldehyde is 2.5 mg/m ³ long-term exposure (8 hour Time Weighted Average) and 2.5 mg/m ³ short-term exposure (15 minute reference period). Workplace Exposure Limit (WEL) for titanium dioxide total inhalable dust is 10 mg/m ³ long-term exposure (8 hour Time Weighted Average) and total respirable dust is 4 mg/m ³ long-term exposure (8 hour Time Weighted Average).
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	Suitable eye protection such as goggles.
Hand Protection	Suitable hand protection such as gloves.
Skin Protection	Suitable skin protection such as coveralls.
Breathing Protection	Do not breathe spray or vapour, otherwise wear suitable respiratory protection.
Environmental Exposure Controls	Use only in accordance with instructions given.

9 PHYSICAL AND CHEMICAL PROPERTIES			
Appearance and Odour	A white emulsion with a paint-like odour.		
pH	Not applicable.	Solubility in Water	Not determined.
Density	Not determined.	Solubility in Other Solvents	Not determined.
Flash Point	Not applicable.	Explosive Properties	None known.
Flammability	Non-flammable.	Combustibility	Non-combustible.
Boiling Point/Range	Starts at ca. 100°C	Oxidising Properties	None known.
Vapour Density	Not determined.	Evaporation Rate	Not determined.
Vapour Pressure	Not applicable.	Partition Coefficient	Not applicable.
Viscosity	Not determined.	Other Data	None known.

10 STABILITY AND REACTIVITY

Conditions to avoid	Avoid extremes of temperature, e.g. below 0°C and above 40°C.
Materials to avoid	Avoid contact with strong alkalis.
Hazardous Breakdown Products	Ammonia and phosphorous oxides may be evolved on heating.

11 TOXICOLOGICAL INFORMATION (SEE ALSO BOX 2)



Acute Toxicity	Oral	Ingestion may cause nausea and vomiting.
	Inhalation	Not determined.
	Dermal	Not determined.
Corrosivity/Irritation	Skin	May cause irritation to skin.
	Eyes	May cause irritation to eyes.
	Respiratory tract	Inhalation of high vapour concentrations may cause irritation of the respiratory tract.
Sensitisation	Skin	May cause sensitisation by skin contact.
	Respiratory	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		Limited evidence of carcinogenic effect.
Reproductive Toxicity	Fertility	Product does not contain any components known to have effects on fertility.
	Development	Product does not contain any components known to be toxic to the reproductive system.
Other Information		No specific antidote known.

12 ECOLOGICAL INFORMATION

General Information	This product is classified as toxic to aquatic organisms and may cause long-term adverse effects in the aquatic environment. However, when used in accordance with instructions given, controlled release of this product is not expected to cause environmental contamination.
Ecotoxicity Data	Non-ionic surfactant: LC ₅₀ : (Fathead minnow – <i>Pimephales promelas</i>) 96hr: 82mg/L. LC ₅₀ : (<i>Daphnia</i>) 48hr: 185mg/L.
Mobility	Alkanes, C10-C13 chloro: Essentially insoluble with low volatility.
Persistence and Degradability	Alkanes, C10-C13 chloro: Evidence of partial hydrolysis in water and slow degradation in soil and water.
Bioaccumulative Potential	Alkanes, C10-C13 chloro: Component has a potential to bioaccumulate.
Other Adverse Effects	None known.

13 DISPOSAL CONSIDERATIONS

Disposal of Waste / Containers	This product is dangerous for the environment. Do not discharge waste washings or waste product to sewers, drains or watercourses. Under normal circumstances, waste / empty containers will be disposed of by Rentokil Initial.
Classification (Council Directive 91/689/EC, Commission Decision 2000/532/EC (amended) Commission Decision 2001/118/EC))	<u>Hazard Code</u> : H7 – Carcinogenic, H14 – Ecotoxic <u>Components making the waste hazardous</u> Alkanes, C10-C13 chloro Mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-4-isothiazol-3-one (3:1) Non-ionic surfactant
	<u>Concentrations (%)</u> : >2.5 ≤10.0 ≤1.0 ≤1.0
Note for Disposal	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.	UN3082		RIS Code
Transport Category	3	UK Hazchem EAC	2X PSA109
ADR 2009 (International Road) Proper Shipping Name	Class 9 ADR HIN 90 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Contains alkanes, C10-C13 chloro).		Labels
Limited Quantity Exemptions	Maximum quantity per inner receptacle is 5L. Maximum quantity per outer package is 30Kg. Combination packs only.		Up to 5L
Special Requirements	Not required. Packing Group III		
IMDG 2008 (Sea) Proper Shipping Name	Class 9 IMDG EMS F-A, S-F ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Contains alkanes, C10-C13 chloro).		
Limited Quantity Exemptions	Maximum quantity per inner receptacle is 5L. Maximum quantity per outer package is 30Kg. Combination packs only.		Above 5L
Special Requirements	Marine pollutant. Packing Group III		
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>S23: Do not breathe vapour or spray.</p> <p>S24/25: Avoid contact with skin and eyes.</p> <p>S35: Dispose of this material and its container in a safe way.</p> <p>S36/37: Wear suitable protective clothing and gloves.</p> <p>S46: If swallowed seek medical advice and show this container or label.</p> <p>S51: Use only in well-ventilated areas.</p> <p>S61: Avoid release to the environment. Refer to special instructions/safety data sheet.</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	Supplied in either a 5 or 20 litre plastic container.
Revisions	Changes have been made to the content of boxes 01, 14 & 16 (as indicated by the thick lines on the left-hand side of the boxes) compared with issue 04.
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>R22 : Harmful if swallowed.</p> <p>R23/24/25 : Toxic by inhalation, in contact with skin and if swallowed.</p> <p>R34 : Causes burns.</p> <p>R36 : Irritating to eyes.</p> <p>R40 : Limited evidence of carcinogenic effect.</p> <p>R43 : May cause sensitisation by skin contact.</p> <p>R50,53 : Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.</p> <p>R52,53 : Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.</p>

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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.

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