

Products Safety Data Sheet

DATE : 01 : 10 : 2002

REVISION (see box 16)

ISSUE NO : 04

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1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND COMPANY

PRODUCT NAME	: ALBI STEEL
DESCRIPTION	: A white, water-based, viscous liquid with an emulsion paint-like odour, which dries to give a matt finish. Used to provide 30, 60 or 90 minute fire resistance for internal steel.
COMPANY	: Rentokil Initial UK Ltd, Products Division, Felcourt, East Grinstead, West Sussex. RH19 2JY. England. Telephone: +44 (0)1342 833022 Facsimile: +44 (0)1342 326229

2. HAZARDS IDENTIFICATION

<p>CLASSIFICATION OF PRODUCT (SUPPLY - Use) : UK CHIP 3 (The Chemicals (Hazard Information and Packaging for Supply) Regulations, 2002) / EC Directive 1999/45.</p> <p>NOT CLASSIFIED</p>	<p>DANGER SYMBOL (UK CHIP 3) :</p>
<p>ADVERSE PHYSICOCHEMICAL, HUMAN HEALTH AND ENVIRONMENTAL EFFECTS (see also box 11) :</p> <p>Excessive exposure to high vapour concentrations, particularly during the curing process, may be irritating to the eyes, mucous membranes and respiratory tract, possibly causing headaches, dizziness, fatigue, muscular weakness and drowsiness. In extreme cases this may lead to loss of consciousness and may also include adverse effects on the kidneys, liver and central nervous system.</p> <p>Adverse effects on the environment are unlikely, provided that the product is used as intended.</p>	<p>NOT REQUIRED</p>

3. COMPOSITION / INFORMATION ON INGREDIENT(S)

% w/w	COMMON*/CHEMICAL NAME, ELINCS / EINECS AND CAS No OF INGREDIENT(S)	UK CHIP 3 / EC 1999/45 CLASSIFICATION OF INGREDIENT(S)
> 50 ≤ 100	A water-based dispersion containing chemicals not classified as hazardous under CHIP 3.	Not classified.

4. FIRST-AID MEASURES (see also "adverse effects" in box 2)

INHALATION (Breathing)	: 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 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	: For further information contact the National Poisons Information Service in the UK.

5. FIRE-FIGHTING MEASURES

FIRE EXTINGUISHER - TYPES	: Use alcohol resistant foam, carbon dioxide, dry powder, water-spray or water-mist extinguishers. DO NOT use water-jets.
SPECIAL FIRE-FIGHTING PROCEDURES	: Wear self-contained breathing apparatus and suitable personal protective equipment.
SPECIAL EXPOSURE HAZARDS	: In the event of a fire, dense black smoke will be produced which may contain oxides of carbon and nitrogen. Keep containers cool using water-spray.

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS (see also box 8)	: Wear suitable personal protective equipment.
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. DO NOT contaminate watercourses or ground.

7. HANDLING AND STORAGE (see also box 8)

HANDLING	: Do not breathe vapour or spray. Avoid contact with skin and eyes.
STORAGE	: Store in original container in a cool, dry, ventilated place out of reach of children and away from food, drink and animal feeding stuffs. Keep containers in a well-ventilated place. Store between 5°C and 30°C and away from direct sunlight.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION (see also box 7)

OCCUPATIONAL EXPOSURE LIMITS	: Not assigned under EH40/2002.
ENGINEERING CONTROLS	: Where prevention of exposure is not reasonably practicable, adequate control of exposure should be achieved by engineering controls rather than the provision of personal protective equipment and clothing. More specific details cannot be given without carrying out a full risk assessment for each and every use scenario. Suitable and approved personal protective equipment and clothing may include the following item(s):
EYE PROTECTION	: Wear suitable eye protection such as goggles or a face visor, particularly when applying overhead.
HAND PROTECTION	: Wear suitable hand protection such as synthetic rubber / PVC gloves.
SKIN PROTECTION	: Wear suitable skin protection such as coveralls.
BREATHING PROTECTION	: Do not breathe vapour or spray. Wear suitable respiratory protective equipment if applying in an enclosed area with adequate ventilation.
ENVIRONMENTAL EXPOSURE CONTROLS	: Product should be used in accordance with the "Instructions for use" leaflet on the pack. Any spillage should be dealt with as a priority in order that contamination of watercourses or ground is avoided.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOUR	: A white, viscous liquid with an emulsion paint-like odour.		
FLASH POINT	: Not applicable.	SOLUBILITY IN WATER	: Miscible.
FLAMMABILITY	: Non flammable.	SOLUBILITY IN FAT	: Immiscible.
AUTOFLAMMABILITY	: Not applicable.	PARTITION COEFFICIENT	: Not applicable.
VAPOUR PRESSURE	: Vapours are more dense than air.	BOILING POINT/RANGE	: Starts at ca. 100°C
SPECIFIC GRAVITY	: 1.363 at 20°C	MELTING POINT/RANGE	: Not applicable.
OXIDISING PROPERTIES	: None known.	pH	: Not determined.
EXPLOSIVE PROPERTIES	: Lower Explosion Limit: 54.05%	VAPOUR DENSITY	: Not determined.
VISCOSITY	: ≥ 60 seconds (flow cup 6) at 23°C	EVAPORATION RATE	: Not determined.
OTHER DATA	: Freezing point: <0°C		

10. STABILITY AND REACTIVITY

CONDITIONS TO AVOID	: Avoid extremes of temperature eg. below 5°C and above 30°C.
MATERIALS TO AVOID	: Avoid contact with oxidising agents, strongly alkaline and strongly acid materials.
HAZARDOUS BREAKDOWN PRODUCTS	: In the event of a fire dense black smoke will be produced which may contain oxides of carbon and nitrogen.

11. TOXICOLOGICAL INFORMATION (see also box 2)

ACUTE TOXICITY	Oral	: No data available.
	Inhalation	: No data available.
	Dermal	: No data available.
CORROSIVITY / IRRITATION	Skin	: No data available.
	Eyes	: The liquid splashed into the eyes may cause irritation.
	Respiratory tract	: Excessive exposure to high vapour concentrations, particularly during the curing process, may be irritating to the eyes, mucous membranes and respiratory tract, possibly causing headaches, dizziness, fatigue, muscular weakness and drowsiness. In extreme cases this may lead to loss of consciousness and may also include adverse effects on the kidneys, liver and central nervous system.
SENSITISATION	Skin	: Contains no known skin sensitisers.
	Respiratory	: Contains no known respiratory sensitisers.
REPEATED-DOSE TOXICITY		: Repeated or prolonged contact with the liquid preparation may cause removal of the natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin.
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	: Product does not contain any components known to be toxic to the reproductive system, and having effects on fertility.
	Developmental	: Product does not contain any components known to be toxic to the reproductive system, and having effects on development
OTHER INFORMATION		: No specific antidote known.

12. ECOLOGICAL INFORMATION

GENERAL INFORMATION	: The full ecotoxicological profile of this product has not been evaluated. Do not contaminate the environment.
ECOTOXICITY DATA	: No data available.
MOBILITY (of appropriate constituents)	: No data available.
PERSISTENCE AND DEGRADABILITY (of appropriate constituents)	: No data available.
BIOACCUMULATIVE POTENTIAL (of appropriate constituents)	: No data available.
ENVIRONMENTAL CONSIDERATIONS	: This product does not contain any substances that are classified as dangerous to the environment. Thus, when supplied, used and disposed of as directed this product is not expected to present a danger to the environment.
OTHER ADVERSE EFFECTS	: This product contains an organic linked halogen. It may contribute to the AOX-value (adsorbable organic halogens value).

13. DISPOSAL CONSIDERATIONS

DISPOSAL OF WASTE	: Waste should be disposed of in accordance with local, State or National requirements.
DISPOSAL OF CONTAINERS	: Empty containers should be disposed of in accordance with local, State or National requirements.
UK SPECIAL WASTE REGULATIONS, 1996	: <u>Hazard Code</u> : Not classified. <u>Components making the waste special and their concentrations</u> : % w/w Not required.
NOTE FOR DISPOSAL	: Disposal should be in accordance with local, State or National requirements. 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: 0845 9333111.

14. TRANSPORT INFORMATION (International unless otherwise indicated)

UN NUMBER : Not required.	UK HAZCHEMEAC : Not required.	ADR HIN : Not required.
UK CDGRoad Transport Category : Not required.	Tremcard Reference No. : Not required.	IMDG EMS : Not required.
UK CDGCPL2 CARRIAGE :		
CLASS :	Not classified.	
PROPER SHIPPING NAME :	Not required.	
PACKING GROUP :	Not required.	
LIMITED QUANTITY EXEMPTIONS :	Not required.	
SPECIAL REQUIREMENTS :	Not required.	
LABELS :	Not required.	
IMDG 2000 (SEA) CARRIAGE :		
CLASS :	Not classified.	
PROPER SHIPPING NAME :	Not required.	
PACKING GROUP :	Not required.	
LIMITED QUANTITY EXEMPTIONS :	Not required.	
SPECIAL REQUIREMENTS :	Not required.	
LABELS :	Not required.	
ADR 2001 (ROAD) CARRIAGE :		
CLASS :	Not classified.	
PROPER SHIPPING NAME :	Not required.	
PACKING GROUP :	Not required.	
LIMITED QUANTITY EXEMPTIONS :	Not required.	
SPECIAL REQUIREMENTS :	Not required.	
LABELS :	Not required.	

15. REGULATORY INFORMATION

INDICATION OF DANGER	HEALTH AND SAFETY INFORMATION (see also box 2)
NOT CLASSIFIED	
SAFETY PHRASES : Not required.	
ADDITIONAL LABELLING PHRASE : Safety Data Sheet available for professional user on request.	
LEGISLATION :	This product is not classified, in the UK, under The Chemicals (Hazard Information and Packaging for Supply) Regulations, 2002 (CHIP 3), as dangerous for supply.
	This product is not classified, in the UK, under the Carriage of Dangerous Goods (Classification, Packaging and Labelling) and Use of Transportable Pressure Receptacles CDGCPL2 Regulations 1996, as dangerous for carriage.

16. OTHER INFORMATION and indication of revisions

<p>The information given on this Safety Data Sheet (SDS) does not constitute an assessment in accordance with the Control of Substances Hazardous to Health (COSHH) Regulations 1999.</p> <p>Changes have been made to the content of boxes 2, 3, 5, 8, 9, 10, 11, 12, 13, 14, 15 & 16 (as indicated by the thick lines on the left-hand side of the boxes) compared with issue 03.</p>
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ALBI STEEL - CHIP

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<p>Before using any product, ensure that you read and understand its label.</p> <p>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.</p>

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