

Safety Data Sheet

DATE : 02 : 01 : 2001

ISSUE NO : 01

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND COMPANY

PRODUCT NAME	: ALPHACHLORALOSE CONCENTRATE
DESCRIPTION	: A fine, green powder with no perceptible odour. For professional use as a concentrate for rodenticidal bait for the control of mice. Best used at floor temperatures less than 16°C (60°F).
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 For latest issue see web: www.ri-research.com and click on Technical Information/Product Safety.

2. HAZARDS IDENTIFICATION

CLASSIFICATION (SUPPLY - Use): UK COPR (Control of Pesticides Regulations, 1986) / EC Directive 78/631.	DANGER SYMBOL (UK COPR):
NOT CLASSIFIED	NOT REQUIRED
SYMPTOMS AND EFFECTS (see also box 11): This product may be harmful in contact with skin, by inhalation and if swallowed. Symptoms of poisoning include effects on the nervous system and retardation of the metabolism leading to initial stimulation, incoordination, ataxia and sedation. Ingestion of large quantities may lead to hypothermia.	

3. COMPOSITION / INFORMATION ON INGREDIENT(S)

% w/w	COMMON*/CHEMICAL NAME AND CAS No OF INGREDIENT(S)
16.6	Chloralose* / (R)-1,2-0-(2,2,2-trichloroethylidene)-alpha-D-glucofranosé / [15879-93-3]

4. FIRST-AID MEASURES (see also "symptoms and 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 water, dry chemical, foam or carbon dioxide extinguishers.
SPECIAL FIRE-FIGHTING PROCEDURES	: Wear self-contained breathing apparatus and suitable personal protective equipment.
SPECIAL EXPOSURE HAZARDS	: In the event of fire dangerous fumes may be liberated. Possibility of powder explosion.

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS (see also box 8)	: Wear suitable personal protective equipment.
PROCEDURE (see also box 13)	: Gather up spilt material being careful not to create dust clouds and transfer to a suitable container for re-use or subsequent disposal. DO NOT contaminate watercourses or ground.

7. HANDLING AND STORAGE (see also box 8)

HANDLING	: Wear suitable protective clothing when handling the concentrate, mixing and handling treated bait. When using do not eat, drink or smoke. Avoid all contact by mouth.
STORAGE	: Store in original container, tightly closed, in a safe place under lock and key in a cool, dry, ventilated place. Keep out of reach of children and away from food, drink and animal feeding stuffs.

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

OCCUPATIONAL EXPOSURE LIMITS	: For dusts : exposure should be kept below both 10 mg/m ³ long-term exposure (8 hour Time Weighted Average) for total inhalable dust and 4 mg/m ³ long-term exposure (8 hour TWA) for respirable dust.
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. Suitable and approved personal protective equipment and clothing may include the following item(s):
EYE PROTECTION	: Wear suitable eye protection such as safety goggles.
HAND PROTECTION	: Wear suitable hand protection such as synthetic rubber/PVC gloves.
SKIN PROTECTION	: Wear suitable skin protection such as coveralls.
BREATHING PROTECTION	: When handling the concentrate or mixing the bait, wear suitable respiratory protective equipment such as filtering face-piece respirator to EN149 FFP3, or other respiratory equipment offering equivalent protection.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOUR	: A fine, green powder with no perceptible odour.		
FLASH POINT	: Not applicable.	SOLUBILITY IN WATER	: Soluble.
FLAMMABILITY	: Combustible.	SOLUBILITY IN FAT	: Partially soluble.
AUTOFLAMMABILITY	: Not applicable.	PARTITION COEFFICIENT	: Not applicable.
VAPOUR PRESSURE	: Not applicable.	BOILING POINT/RANGE	: Product expected to caramelize before boiling.
BULK DENSITY	: 0.49 g/cm ³ (mean).	MELTING POINT/RANGE	: Starts at ca. 160°C
OXIDISING PROPERTIES	: None known.	pH	: Not applicable.
EXPLOSIVE PROPERTIES	: None known. However, sufficient quantities of powder, finely divided in air and ignited could cause a powder explosion.		
OTHER DATA	: None known.		

10. STABILITY AND REACTIVITY

CONDITIONS TO AVOID	: Avoid extremes of temperature, eg. below 0°C and above 40°C.
MATERIALS TO AVOID	: Avoid contact with strong oxidising agents and aqueous acids.
HAZARDOUS BREAKDOWN PRODUCTS	: In the event of fire dangerous fumes may be liberated.

11. TOXICOLOGICAL INFORMATION (see also box 2)

INHALATION	: May be harmful by inhalation. Symptoms of poisoning will be similar to those of ingestion.
INGESTION	: LD ₅₀ oral : alphachloralose : rat : 400 mg/kg; mouse : 32 mg/kg. May be harmful if swallowed. Symptoms of poisoning include effects on the nervous system and retardation of metabolism leading to initial ataxia and sedation. Ingestion of large quantities may lead to hypothermia.
SKIN CONTACT	: May be harmful in contact with skin. May be slightly irritating to skin.
EYE CONTACT	: May be slightly irritating to eyes.
CHRONIC EFFECTS (DUE TO LONG/REPEATED EXPOSURE)	: None known.

12. ECOLOGICAL INFORMATION

GENERAL INFORMATION	: DO NOT contaminate watercourses or ground.
ECOTOXICITY DATA	: The full ecotoxicological profile of this product has not been evaluated. Do not contaminate the environment. For alphachloralose : LD ₅₀ oral (birds) : 32 - 178 mg/kg.
ENVIRONMENTAL CONSIDERATIONS	: This product does not contain any substances which 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.

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> : 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: 0645 333111.

14. TRANSPORT INFORMATION (International unless otherwise indicated)

<u>UN NUMBER</u> : Not required.	<u>UK HAZCHEM EAC</u> : Not required.	<u>ADR HIN</u> : Not required.	<u>ADR SIN</u> : Not required.
<u>UK CDGRoad Transport Category</u> : Not required.	<u>Tremcard Reference No.</u> : Not required.	<u>IMDG EMS</u> : Not required.	<u>IMDG MFAG Table No.</u> : Not required.
<u>UK CDGCPL2 CARRIAGE</u> : LIMITED QUANTITY EXEMPTIONS : SPECIAL REQUIREMENTS : LABELS :	Not classified. Not required. Not required. Not required.		
<u>IMDG (SEA) CARRIAGE</u> : LIMITED QUANTITY EXEMPTIONS : SPECIAL REQUIREMENTS : LABELS :	Not classified. Not required. Not required. Not required.		
<u>ADR (ROAD) CARRIAGE</u> : LIMITED QUANTITY EXEMPTIONS : SPECIAL REQUIREMENTS : LABELS :	Not classified. Not required. Not required. Not required.		

15. REGULATORY INFORMATION

INDICATION OF DANGER	HEALTH AND SAFETY INFORMATION (see also box 2)
NOT CLASSIFIED	
STATUTORY PHRASES :	For use only in mouse control by persons instructed or trained in the use of alphachloralose. The maximum concentration of alphachloralose in the bait base must not exceed 4% w/w. Wear suitable protective clothing (coveralls) and suitable protective gloves (synthetic rubber or PVC) when handling treated bait. Wear suitable protective clothing (coveralls), suitable protective gloves (synthetic rubber or PVC) and suitable respiratory protective equipment (filtering face-piece respirator to EN14 9 FFP3 or equivalent) when handling the concentrate and when mixing the bait. Prevent access to bait by children, birds and non-target animals. Do not prepare bait where food, feed or water could become contaminated. Do not place bait where food, feed or water could become contaminated. Do not contaminate ponds, waterways or ditches with chemical or used container. Search for rodent bodies and dispose of safely (e.g. burn or bury). Do not dispose of in refuse sacks or on open rubbish tips. Remove all remains of bait and bait containers after treatment and dispose of safely (e.g. burn or bury). Do not dispose of in refuse sacks or on open rubbish tips. Avoid all contact by mouth. Do not re-use container for any purpose. Store in Poisons cupboard READ ALL PRECAUTIONS BEFORE USE.
LEGISLATION :	This product is approved, in the UK, under the Control of Pesticides Regulations (COPR) 1986, for use as directed. HSE 6693. 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

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.

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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.