



SAFETY DATA SHEET

CETRIMIDE

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY:

PRODUCT NAME:	CETRIMIDE
CHEMICAL NAME 2:	Tetradecyl trimethylammonium bromide
PART No.:	RM065
SYNONYMS, TRADE NAMES:	Myristyltrimethylammonium bromide (MTAB), N,N,N-trimethyl-1-tetradecylammonium bromide
SUPPLIER:	J M Loveridge plc Southbrook Road, Southampton Hampshire SO15 1BH Tel: 023 8022 2008 Fax: 023 8022 2117

2. COMPOSITION/INFORMATION ON INGREDIENTS:

EU INDEX No.:	- - -
CAS No.:	1119-97-7

3. HAZARDS IDENTIFICATION:

Harmful if swallowed. Irritating to eyes and skin.

4. FIRST AID MEASURES:

GENERAL:	IN ALL CASES OF DOUBT OR WHEN SYMPTOMS PERSIST, ALWAYS SEEK MEDICAL ATTENTION
INHALATION:	Move affected person from exposure. If recovery not rapid or complete seek medical attention.
INGESTION:	DO NOT INDUCE VOMITING. In case of spontaneous vomiting, be sure that vomit can freely drain because of danger of suffocation. Only when conscious, rinse mouth with plenty of water and give plenty of water to drink - (approx 500ml). Keep patient at rest and obtain medical attention.
SKIN:	Remove contaminated clothing. Wash affected area with plenty of soap and water. If irritation persists, seek medical attention. Launder clothing before re-use.
EYES:	Rinse immediately with plenty of water for at least 5 minutes while lifting the eye lids. Seek medical attention. Continue to rinse.

5. FIRE FIGHTING MEASURES:

EXTINGUISHING MEDIA:	Foam, dry chemical, sand, dolomite etc.
HAZARDOUS COMBUSTION PRODUCTS:	Burning may release oxides of carbon and other hazardous gases or vapours.
PROTECTIVE MEASURES IN FIRE:	Fire fighters should wear self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES:

PERSONAL PRECAUTION IN SPILL:	Avoid breathing dust. Avoid direct contact with skin, eyes and clothing.
PRECAUTIONS TO PROTECT ENVIRONMENT:	Prevent contamination of soil, drains and surface water.
SPILL CLEANUP METHODS:	Cover spillage with damp inert material, take-up or collect and place into a suitable closable labelled container for disposal. Wash the area clean with water and detergent, observing environmental requirements.

7. HANDLING AND STORAGE:

USAGE PRECAUTIONS:	HANDLING - Product should be used in accordance with good industrial principles for handling and storing of hazardous chemicals. Avoid contact with skin or eyes. Minimise creation of air-borne dust by application of good occupational hygiene principles, appropriate control measures and extraction techniques.
STORAGE PRECAUTIONS:	Store in a cool, dry, well ventilated place, in securely closed original container. Dust formation is potentially explosive. Store away from sources of heat or ignition.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION:

INGREDIENT COMMENTS:	No specific OES assigned, however for dusts of any kind, ensure LTEL (8-hour TWA ref. period) level does not exceed 10 mg.m3 for total inhalable dust or 4 mg.m3 for respirable dust (or) as recommended in current edition of EH40.
VENTILATION:	Provide adequate general and local exhaust ventilation.
RESPIRATORS:	If unable to control dust emissions below OES limits, an approved dust protection to P2 level of protection is recommended.
PROTECTIVE GLOVES:	Use protective gloves.
EYE PROTECTION:	Use eye protection.
OTHER PROTECTION:	Wear personal protective equipment appropriate to the quantity of material handled.
HYGIENIC WORK PRACTICES:	SKIN PROTECTION - apply barrier cream to hands and exposed skin. Regularly vacuum dust to minimise the potential of air-borne exposure.

9. PHYSICAL AND CHEMICAL PROPERTIES:

APPEARANCE:	White to creamy-white free flowing powder.
MELT/FREEZ.POINT (°C, interval):	mp. > 245°C
BULK DENSITY:	~ 480 kg/m ³
SOLUBILITY DESCRIPTION:	Soluble in water.
SOLUBILITY VALUE (g/100g H ₂ O 20°C):	560g/l

10. STABILITY AND REACTIVITY:

STABILITY:	Stable under normal conditions of use.
MATERIALS TO AVOID:	Organic amines, iodine, anionic surfactants.
HAZARDOUS DECOMP. PRODUCTS:	Thermal decomposition may release noxious, toxic or corrosive gases or vapours. - including ammonia and bromine vapours.

11. TOXICOLOGICAL INFORMATION:

	LD50. Oral. Rat. 1000 mg/kg (calculated/estimated)
HEALTH HAZARDS, GENERAL:	Dust will severely irritate membranes of nose, throat, lungs and eyes.
INHALATION:	Irritating to the respiratory system.
INGESTION:	Ingestion will cause gastric irritation and vomiting. Ingestion may cause systemic effects.

12. ECOLOGICAL INFORMATION:

LC 50, 96 HRS, FISH mg/l:	2.5mg/l (zebra fish)
ECOLOGICAL INFORMATION:	Toxic to aquatic organisms.
DEGRADABILITY:	> 90% degradable if concentration is less than 20 ppm.

13. DISPOSAL CONSIDERATIONS:

DISPOSAL METHODS:	This material and/or its container must be disposed of as hazardous waste according to Special Waste Regulations 1996 or according to local regulations, in compliance with Duty of Care Regulations and Special Waste Regulations.
WASTE CLASS:	WASTE CODE: 0705** HAZARDOUS PROPERTY: H5, H14

14. TRANSPORT INFORMATION:

UK ROAD PACK GR.:	III
ADR CLASS No.:	9
ADR CLASS:	Class 9: Other dangerous substances.
ADR ITEM No.:	12°(c)
HAZARD No. (ADR):	90 Environmentally hazardous substance; miscellaneous dangerous substances.
ADR MARGINAL:	2901
HAZCHEM CODE:	2X
PROPER SHIPPING NAME I:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, NOS (contains tetradecyl trimethylammonium bromide)
UN No. SEA:	UN 3077
IMDG CLASS:	9
IMDG PAGE No.:	9029
IMDG PACK GR.:	III
UN No., AIR:	UN-ID 3077
ICAO CLASS:	9
AIR PACK GR.:	III

15. REGULATORY INFORMATION:

LABEL FOR SUPPLY:



RISK PHRASES:	R-22 Harmful if swallowed. R-36/38 Irritating to eyes and skin.
SAFETY PHRASES:	S-22 Do not breathe dust. S-26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S-37/39 Wear suitable gloves and eye/face protection. S-46 If swallowed seek medical advice immediately and show this container label.
UK REGULATORY REFERENCES:	Classification, Packaging and Labelling Regulations 1984. Chemicals (Hazard Information & Packaging) Regulations 1993.

16. OTHER INFORMATION:

INFORMATION SOURCES:	This product has been classified in accordance with CHIP3 regulations.
REVISION COMMENTS:	Edition 01; Revised item(s):
ISSUED BY:	MK

SDS No.: 103

DATE: 12/07/02

DISCLAIMER: The foregoing data has been compiled for safety information only and does not form part of any selling specification. Information contained in this Data Sheet is to the best of JMLs knowledge correct at the time of publication. Customers should always satisfy themselves, that the product which they have selected is entirely suitable for their purpose under their conditions of use and in compliance with current regulations. For any further information, please contact the supplier.