



SAFETY DATA SHEET

HYDROCORTISONE

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

PRODUCT NAME:	HYDROCORTISONE
CHEMICAL NAME 2:	11, 17, 21-trihydroxypregn-4-ene-3, 20-dione
PART No.:	RM124
SYNONYMS, TRADE NAMES:	Cortisol; 17 alpha hydroxycorticosterone
APPLICATIONS:	Active ingredient for medicinal use.
SUPPLIER:	J M Loveridge plc Southbrook Road, Southampton Hampshire SO15 1BH Tel: 023 8022 2008 Fax: 023 8022 2117

2. COMPOSITION/INFORMATION ON INGREDIENTS:

EEC (EINECS) No.	200-020-1
CAS No.:	50-23-7

3. HAZARDS IDENTIFICATION:

Harmful: danger of serious damage to health by prolonged exposure through inhalation, in contact with skin and if swallowed.

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 symptoms occur or persist, obtain 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:	Water spray, fog or mist, carbon dioxide (CO ₂), alcohol resistant foam, dry chemicals, sand, dolomite etc.
UNUSUAL FIRE & EXPLOSION HAZARDS:	Finely divided material can cause dust explosion.
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 direct contact with skin, eyes and clothing. Avoid breathing dust.
PRECAUTIONS TO PROTECT ENVIRONMENT:	Prevent contamination of soil, drains and surface water.
SPILL CLEANUP METHODS:	Avoid dry sweeping or other methods which raise dust. 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 creating or raising dust. Avoid contact with skin or eyes.
STORAGE PRECAUTIONS:	Store in a cool, dry, well ventilated place, in securely closed original container.

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.m ³ for total inhalable dust or 4 mg.m ³ for respirable dust (or) as recommended in current edition of EH40.
VENTILATION:	Provide adequate general and local exhaust ventilation.
RESPIRATORS:	In case of insufficient ventilation, for short periods of work, a suitable approved dust protection to P2 standard 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 fine crystalline powder.
PHYSICAL DATA COMMENTS:	Dust cloud sensitive to ignition..
MELT/FREEZ. POINT (°C, interval):	~ 214°C (with decomposition)
SOLUBILITY DESCRIPTION:	Practically insoluble in water.

10. STABILITY AND REACTIVITY:

STABILITY:	Stable under normal conditions of use. Liable to oxidation above 170°C.
CONDITIONS TO AVOID:	Avoid dust formation. Risk of dust explosion.
HAZARDOUS DECOMP. PRODUCTS:	Thermal decomposition or burning will release oxides of carbon.

11. TOXICOLOGICAL INFORMATION:

	LD50. Intraperitoneal. Rat. 150 mg/kg
HEALTH HAZARDS, GENERAL:	Danger of serious damage to health by prolonged exposure inhalation, in contact with skin and if swallowed. Inhalation of dust may cause systemic effects. Material may be absorbed through skin.
SKIN:	Excessive, prolonged or repeated contact may give rise to systemic effects.
OTHER HEALTH EFFECTS:	Animal studies have shown teratogenic effects. Retrospective studies in humans have not shown abnormal effects.
MEDICAL SYMPTOMS:	Possible adverse effects in common with corticosteroids in general are bodyweight gain, acne, purpura and stretch marks, excitation and sleep disorders, metabolic and endocrinal disorders.
MEDICAL CONSIDERATIONS:	Avoid handling during pregnancy. Seek medical advice before handling. In case of pre-existing ocular and/or cutaneous lesions seek medical advice before handling material.

12. ECOLOGICAL INFORMATION:

EC 50, 48 HRS, DAPHNIA, mg/l:	> 3mg/l
ECOLOGICAL INFORMATION:	No specific data or information available regarding environmental impact. Avoid release to the environment.
DEGRADABILITY:	Potentially biodegradable.

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: H6

14. TRANSPORT INFORMATION:

GENERAL: Not classified as hazardous for transport.

15. REGULATORY INFORMATION:

LABEL FOR SUPPLY:



RISK PHRASES: R-48/20/21/22 Harmful: danger of serious damage to health by prolonged exposure through inhalation, in contact with skin and if swallowed.

SAFETY PHRASES: S-22 Do not breathe dust.
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.: 235

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.