



SAFETY DATA SHEET

Safety data sheet for chemical products according to EC-directive 2001/58/EC
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FLYLURE granules

1. Chemical product and company identification

Trade name : Flylure granules
Intended use : Luring of flies in cattle and poultry houses
Supplier : Denka International B.V.
Hanzeweg 1
3771 NG Barneveld
The Netherlands
telephone +31.342.455455
telefax +31.342.490587
Emergencies : In case of emergency contact the nearest toxicological information institute. Physicians only.

2. Composition - information on ingredients

Ingredient	EC no.	CAS no.	Symbols	R-phrases*	Content
					%
Muscalure	248-505-7	27519-02-4	Xi	43	0,25

*R-phrases are explained in section 16 hereof.

3. Hazard identification

Hazards to human health, safety and environment : With expert use hazards to human health, safety and environment are considered very small because of the very low content of muscalure.

4. First aid measures

Emergencies : In general with normal use urgent medical attention will not be necessary.
Inhalation : Remove subject from exposure area to fresh air.
Seek medical advice if feeling unwell.
Eye contact : Flush eyes with water.
Skin contact : Wash affected skin with plenty of water and soap.
Ingestion : Get medical attention if feeling unwell.
Information for physician : Product contains tricosenone. Treatment is symptomatic and supportive; no specific antidote known.



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5. Fire fighting measures

- Suited extinguishing media : Powder, foam, water spray, CO₂.
- Unsuited extinguishing media : None presently known.
- Exposure risks : Standard fire risks.
- Special protective equipment for fire fighters : Standard fire fighting equipment.

6. Accidental release measures

- Personal precautions : It is recommended to wear suitable clothing and gloves.
- Environmental precautions : Product has no harmful effects to the environment. However do not allow entry in streams, sewers or natural environment.
- Methods for cleaning up : Spills must be swept up and put into closed containers for later disposal. Waste disposal according to local authority regulations.

7. Handling and storage

- Handling precautions : Standard directives in respect of hygiene and health are to be observed. Avoid unnecessary contact with the product. Suitable clothing and gloves are recommended. Wash hands after use and before breaks.
- Storage : Product must be stored in closed original containers, in a dry place, safe from access by children. Store away from food, drink and animal feeding stuffs.
- Shelf life : Two years from date of production if correctly stored.
- Classification : NC, non-flammable.

8. Exposure control - personal protection

- Statutory limit : MAC-value: no data available at present.
- Ventilation : Secure adequate ventilation of stables.
- Respiratory protection : With expert use respiratory protection is not regarded necessary.
- Hand protection : Protective gloves (latex) are recommended.
- Eye protection : With expert use safety glasses or goggles are not regarded necessary.
- Skin and body protection : Wear suitable clothing.
- Others : Do not eat, drink or smoke.



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9. Physical and chemical properties

Appearance	:	granules
Colour	:	yellow
Odour	:	mild chemical
Chemical base	:	tricosene
Relative molecular weight	:	not determined
Density	:	0.65 kg/l
Relative vapour density	:	not applicable
Vapour pressure	:	not applicable
Melting point	:	< 50°C
Boiling point	:	not applicable
Flash point	:	not applicable
Auto-ignition	:	not applicable
Explosion limits	:	not determined
Partition coefficient	:	not determined
pH	:	not applicable
Oxidizing properties	:	non-oxidizing
Viscosity	:	not applicable
Solubility in water	:	soluble (500 g/l at 25°C)
Solubility in others	:	insoluble in organic solvents

10. Stability and reactivity

Stability	:	Product is stable under normal conditions.
Compatibility / Incompatibility	:	Not applicable.
Hazardous decomposition products	:	None.
Hazardous polymerization	:	Will not occur.

11. Toxicological information

Toxicological family	:	Tricosene.
Acute toxicity	:	Muscalure may cause sensitization by skin contact.
Chronic toxicity	:	Non-carcinogenic, non-mutagenic, non-teratogenic.

12. Ecological information

Environmental properties	:	Product has no harmful effects to the environment.
Environmental toxicity	:	Product has no harmful effects to the environment. Flora and fauna are not endangered.

13. Disposal consideration

Waste from residues	:	In compliance with local/national authority regulations for waste disposal.
Contaminated packaging	:	In compliance with local/national authority regulations for waste disposal.



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14. Transport information

International regulations	:	Not classified for any mode of transportation.
Description	:	Not applicable.
Labelling	:	Land – RID/ADR : not applicable. Inland waterways – ADNR : not applicable. Sea – IMDG : not applicable. Air – ICAO-II, IATA-DGR : not applicable.
UN number	:	Not applicable.
UN packing group	:	Not applicable.
Transport emergency group card	:	Not applicable.

15. Regulatory information

Regulations for labelling	:	
Symbol	:	-
Hazard indications (R-phrases)	:	-
Safety precautions (S-phrases)	:	S2 Keep out of the reach of children. S13 Keep away from food, drink and animal feeding stuffs.
Additional information	:	Contains muscalure (tricosene).

16. Other information

Explanation R-phrases § 2	:	R43 May cause sensitization by skin contact.
Information sources	:	N-class data base ECB. The Pesticide Manual (ISBN 1-901396-13-4)
Alterations in respect of previous edition of 25.05.2004	:	§ 2: Added Xi-symbol and R43. § 11: Added 'Muscalure may cause sensitization by skin contact'. § 15: Added 'Contains muscalure (tricosene).' § 16: Added 'Explanation R-phrases § 2: R43'.

No liability is accepted for any injury, loss, damage or cost arising directly or indirectly from the use of the product or from the use of information contained within this safety data sheet since the customer's treatment of the product is necessarily beyond our control. The supplied data are based on current knowledge and experience. This safety data sheet is intended to describe our product in terms of safety requirements. The customer should determine by appropriate trials that the product is suitable for his intended use.

DENKA INTERNATIONAL B.V.