

SAFETY DATA SHEET

Product Name: Trinol Fosforbrinte -EN Version no.: 1
Created: 9. Sep. 2009 Date of revision: 9. Sep. 2009

Page 1/5

Date of printing: 11-09-2009

Trinol Fosforbrinte -EN

en

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

Product Name: Trinol Fosforbrinte -EN

Supplier:

Trinol A/S

Havnegade 20
9400 Nørresundby

Telephone no.: +45 9632 0064

Fax no.: +45 9632 0063

Responsible for the Safety Data Sheet

E-mail: trinol@trinol.dk

Emergency telephone number :

Please contact the Supplier/
manufacturer.

Intended use : Pesticide approved by Environ. Protection Agency DK

Uses:

Only to be used for controlling moles and water voles. Do not use against other pests and in higher doses than stated in the instructions for use. For efficient control of both types of pests, treated areas must be checked after 3-10 days and supplementary spreading must be made where necessary.

2. HAZARDS IDENTIFICATION:

Main Toxicological and Ecological hazards:

Very toxic if swallowed. Generates toxic gas in contact with acids. Contact with water liberates toxic gases. Contact with water liberates highly flammable gases. Very toxic to aquatic organisms.

3. COMPOSITION/INFORMATION ON INGREDIENTS:

The classification below is for the pure compound. The labelling of the product is showed in section 15.

Contain : 1000 gr. = 1600 pellets a 0,6 g. Each pellet release 0,2 g Phosphin.

Contains:

CAS number:	EC-no.:	%:	Chemical Name:	Classification:	Note:
20859-73-8	244-088-0	56%	aluminium phosphide	Tx, F, N	R28, R32, R50, R15/29

4. FIRST AID MEASURES:

General information:

In case of doubt, seek medical advice. Poisoning symptoms occur immediately. Fast action is therefore decisive for saving lives.

Inhalation:

Move the injured person into fresh air immediately. Obtain immediate medical attention or call an ambulance. State that poisoning is due to phosphine. Keep patient calm and warm in half sitting position.

Contact with eyes:

If necessary, remove contact lenses. Immediately flood eyes for minimum 15 minutes. Hold eyelids wide apart. Obtain medical attention immediately.

Contact with skin:

Remove contaminated clothes immediately, and wash skin thoroughly with soap and water. Obtain medical attention if irritation continues.

Ingestion:

Obtain immediate medical attention or call an ambulance. Induce vomiting. Do not make victim drink and do not induce vomiting if the victim is unconscious.

Burns:

Flush with plenty of water until pain ceases. Whilst flushing with water, remove all loose clothing from area of burns. If medical treatment is necessary, continue flushing until medical trained staff takes over treatment.

5. FIRE-FIGHTING MEASURES:

Suitable extinguishing media:

Carbondioxide and powder.

Extinguishing media that must not be used:

Do not use water to extinguish fire. Avoid use of waterspray.

SAFETY DATA SHEET

Product Name: Trinol Fosforbrinte -EN Version no.: 1

Page 2/5

Created: 9. Sep. 2009 Date of revision: 9. Sep. 2009

Date of printing: 11-09-2009

Special hazards:

Liberate toxic gas and extremely flammable gases in contact with water.

Special protective equipment:

Avoid breathing smoke fumes. Wear self-contained breathing apparatus and full protective gear when extinguishing fire.

General information:

Do not allow spillage to enter sewers or drains. Contaminated extinguishing water must be disposed of in agreement with local authorities regulations.

6. ACCIDENTAL RELEASE MEASURES:**Personal precautions:**

Unauthorized persons are forbidden to enter. Regarding personal protection - see section 8. Avoid contact with eyes and skin.

Environmental precautions:

Prevent material from entering drains, streams, lakes etc. If there is any risk of contamination immediately contact environment Authorities.

Methods for cleaning up:

Vacuum or sweep up waste with industrial vacuum cleaner, broom, or the like for reuse/disposal. Avoid generating dusty conditions. Recover spills and place in closed container labelled with contents. Dispose according to section 13. To avoid any unforeseen reactions mixing with any other chemicals must not take place.

7. HANDLING AND STORAGE:**Handling:**

Avoid contact with eyes and skin. Avoid contact with foodstuff, drinks and feed. Wash hands before any breaks and after working hours. Do not wear work clothes worn working with the materials during meals. No smoking or naked flames. Never pour water onto the product.

Opening the container must be done outdoors.

Storage:

Store securely, away from children, away from food, animal foodstuffs, medicaments or the like. Store in tightly closed container in a cool, dry and adequate ventilated area. See section 10. Do not use container of glass.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION:**Engineering Control Measures:**

Ensure adequate ventilation. Ensure easy access to eye rinsing bottle and emergency washbasin with hand hot running water in working- and storing places.

Respiratory Protection:

Use suitable breathing equipment with filter B (gray). Use fresh air equipment in closed rooms.

Hand Protection:

Protective gloves of nitrilerubber or acrylonitrile must be used. Breakthrough time has not been determined for the product. The product may penetrate through the gloves, ensure frequent change of gloves. Follow the glove manufacturer's recommendations on use and replacement.

Eye protection:

To protect against splashing wear goggles or closed-fitting safety glasses.

Skin Protection:

Use special working clothes. Contaminated clothes must be removed immediately. Wash contaminated clothes before reuse.

Occupational Exposure Limits:

CAS no. 7803-51-2: Phosphin: 0,1 ppm (8h), 0,2 ppm (15m)/ 0,14 mg/m³ (8h), 0,28 mg/m³ (15m)

9. PHYSICAL AND CHEMICAL PROPERTIES:

Form:	Pellets
Colour:	Grey
Odour:	Weak
Oxidizing:	No
Melting point:	>1000 ° C
Water solubility:	React with water

SAFETY DATA SHEET

Product Name: Trinol Fosforbrinte -EN Version no.: 1

Page 3/5

Created: 9. Sep. 2009 Date of revision: 9. Sep. 2009

Date of printing: 11-09-2009

10. STABILITY AND REACTIVITY:

Stability:

Material is stable during normal usage.

Conditions to avoid:

Avoid dust generation. Keep away from naked flames and ignition sources. Avoid moisture.

Substances to avoid:

Water. Acids.

Liberate toxic gas and extremely flammable gases.

Hazardous Decomposition Products:

Toxic gasses of phosphine.

11. TOXICOLOGICAL INFORMATION:

Inhalation:

Sore throat. Cough. Shortness of breath. Headache. Dizziness. Nausea. Vomiting.

Contact with skin:

May irritate the skin.

Redness. Burning sensation.

Contact with eyes:

Causes Irritation and may cause inflammation and pain.

Ingestion:

Nausea. Vomiting. Diarrhoea. Abdominal pain. Headache. Convulsions. Shock or collapse. Unconsciousness.

General information:

aluminium phosphide

LD50 Oral Rat = 0,4 mg/kg ()

LC50 Inhalation Rat = 0,004 mg/L (4H) ()

12. ECOLOGICAL INFORMATION:

Ecotoxicity:

Very toxic to aquatic organisms.

aluminium phosphide

Toxicity(fish): Rainbow trout (fresh water): LC50 (96 h) 0,0097 ppm

Toxicity(algae): water flea (Crustacea): EC50 (24 h) 0,2 mg/L

Mobility:

In contact with water liberate toxic gas and extremely flammable gases .

Degradability:

Not biodegradable (inorganic).

General information:

Prevent material from entering drains or water courses.

13. DISPOSAL CONSIDERATIONS:

General information:

Empty package may not be reused. Empty packaging are disposed of in a manner consistent with federal, state, and local regulations

Disposal considerations:

Dispose of in a manner consistent with federal, state, and local regulations. Examples of European Waste Codes are shown below.

Waste code: 20 01 19 pesticides

14. TRANSPORT INFORMATION:

ADR/RID:	UN no.	3048
	Class:	6.1
	Packaging group:	I
	Hazard Identification:	642
	Proper Shipping Name:	ALUMINIUM PHOSPHIDE PESTICIDE

SAFETY DATA SHEET

Product Name: Trinol Fosforbrinte -EN Version no.: 1

Page 4/5

Created: 9. Sep. 2009 Date of revision: 9. Sep. 2009

Date of printing: 11-09-2009

IMDG:	UN no.	3048
	Class:	6.1
	Packaging group:	I
	EmS:	F-A, S-A
	Proper Shipping Name:	ALUMINIUM PHOSPHIDE PESTICIDE
IATA:	UN no.	3048
	Class:	6.1
	Packaging group:	I
	Proper Shipping Name:	ALUMINIUM PHOSPHIDE PESTICIDE

General information:

marine pollutant Tunnel restrictions code: (E)

15. REGULATORY INFORMATION:

General information:

CAUTION: Do not spray close to open fire. Follow local legislation regarding personal equipment.

Labelling:

F



Highly flammable

N



erous for the environ

T+



Very toxic

R28	Very toxic if swallowed.
R32	Contact with acids liberates very toxic gas.
R50	Very toxic to aquatic organisms.
R15/29	Contact with water liberates toxic, extremely flammable gas.
S30	Never add water to this product.
S43	In case of fire, use dry powder extinguisher. Never use water.
S45	In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
S61	Avoid release to the environment. Refer to special instructions/safety data sheets.
S(1/2)	Keep locked up and out of reach of children.
S3/9/14	Keep in a cool, well-ventilated place away from water and acid.
S36/37	Wear suitable protective clothing and gloves.

Special labelling:

Only to be used for controlling moles and water voles. Do not use against other pests.

Keep away from food, drink and animal feeding stuffs. Must be applied in a way that children, domestic animals and other animals are not exposed to poisoning. Do not apply within a distance of 10 metres from buildings. Do not apply during rain and fog.

Assistants work under the supervision and responsibility of the supervisor. They must wear the required personal protective equipment and must received careful instructions in how to carry out work and possible risks in connection with work. Don't eat, drink or smoke while using the product. After work the supervisor must collect handed-over containers and other tools as well as possible residues. Wash skin with plenty of water after use. Empty packaging must be lowered into a container outdoors with plenty of water before it is handed over to the local waste collection facility. Empty package may not be reused. Remove clothes and wash skin with water and soap if the product is spilled onto clothes or skin.

Uses and Restrictions:

Only to be used for controlling moles and water voles. Not to be handled by persons under the age of 18 years. Control is only to be carried out by authorised persons and persons working under their supervision.

16. OTHER INFORMATION:

SAFETY DATA SHEET

Product Name: Trinol Fosforbrinte -EN Version no.: 1

Page 5/5

Created: 9. Sep. 2009 Date of revision: 9. Sep. 2009

Date of printing: 11-09-2009

R phrases:

R28 Very toxic if swallowed.
R32 Contact with acids liberates very toxic gas.
R50 Very toxic to aquatic organisms.
R15/29 Contact with water liberates toxic, extremely flammable gas.

Training advice:

Concerning education see section 15.

Final remarks:

This safety data sheet is compiled on the basis of information from the supplier and in accordance with EU legislation. The users working conditions is outside our knowledge and control, we draw to your attention that it's always the users responsibility to take the necessary precautions and follow the given legislation.

References:

EH40/2005 Occupational Exposure Limits. Storage of dangerous substances. Dangerous Substances and Expositive Atmospheres Regulations 2002. Approved code of Practice and Guidance L138 HSE Books 2003. EC Directive 94/33/EC. COSHH : The Control of Substances Hazardous to Health Regulations 2992 and subsequent amendments. The Dangerous Substances and Preparations Regulations and amendments. CHIP3: Chemicals (Hazard Information and Packaging for Supply), Regulations 2002 (SI 2002/1689) and accompanying documentation. Safe use and handling of flammable liquids HSG140 HSE Books 1996. EC Directive 2004/73/EC classification, packaging and labelling of dangerous substances. Directive 98/8/EC concerning the placing of biocidal products on the market.

Drawn up by: pbb/ Chemtox-Trotters a/s

QA : tk 09-2009

Updated by: pbendtsen
