



Hydro Agri (UK) Ltd.
HFL

Class. : INTERNAL
H&S DATA SHEET

FMA PSDS - GROUP 9

HEALTH AND SAFETY DATA SHEETS
SDOCS SAFETY

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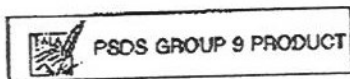
Valid for: HA(UK) All Units

Valid to date: 2010-03-21

PSDS Group 9 Product . FMA Product Safety Data Sheet - Group 9

0. INTRODUCTION

This Product Safety Data Sheet applies exclusively to products manufactured or marketed by members of the Fertiliser Manufacturers Association. It does not apply to any other product of similar name or nature. The products covered will be clearly identified by the name of the marketer and/or manufacturer on the associated labels and/or documents. Qualifying product will be marked as follows:



1. IDENTIFICATION OF THE PRODUCT AND THE COMPANY

1.1 Identification of the Product

Products in Group 9 are fluid straight nitrogen fertilisers in the form of aqueous solutions or suspensions.

1.2 Company

See details below.

2. COMPOSITION/INFORMATION ON INGREDIENTS

These products may contain some or all of the following ingredients:- ammonium nitrate, urea, ammonium sulphate, other ammonium salts, micro-nutrients.

3. HAZARDS IDENTIFICATION

3.1 Human Health

Products are of a low toxicity but prolonged skin or eye contact may cause some irritation.

Ingestion: Small quantities are unlikely to cause toxic effects.

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Large quantities may give rise to gastro-intestinal disorders and in extreme cases (particularly in children) formation of methaemoglobin ("blue baby" syndrome) and cyanosis (indicated by blueness around the mouth) may occur. No adverse long term effects are known.

Inhalation: Low toxicity spray but high concentration of air-borne material may cause irritation of the nose and upper respiratory tract with symptoms such as sore throat and coughing

Molten material: Will cause burns and inhalation of decomposition gases (e.g. in a fire) may cause serious delayed lung effects.

3.2 Environment

Ammonium nitrate is a nitrogen fertilizer. Heavy spillage may cause adverse environmental impact such as eutrophication in confined surface waters or nitrate contamination. See Section 12.

4. FIRST AID MEASURES

Product

Skin contact: wash the affected area with soap and water.

Eye contact: irrigate eyes with copious amounts of eyewash solution or water for at least 10 minutes. Obtain medical advice if symptoms persist.

Ingestion: **do not** induce vomiting. Give milk or water to drink. Obtain medical attention if more than small quantities have been swallowed.

Inhalation: remove from source of exposure to spray. Keep warm and at rest. Obtain medical advice if symptoms persist.

Fire and Thermal Decomposition Products

Skin contact: wash areas in contact with molten material. Wash copiously with cold water. Seek medical advice.

Inhalation: remove from source of exposure to fumes. Keep warm and at rest.

5. FIRE-FIGHTING MEASURES

When the fertiliser is **not** directly involved in the fire use the best means available to control the fire.

When the fertiliser is involved:-

1. Avoid breathing the fumes. Wherever possible wear an approved breathing mask when fighting a fire or when fumes are being emitted.
2. Call the fire brigade.
3. Use plenty of water.
4. Open doors and windows to give maximum ventilation.
5. **Do not** allow the fertiliser or water containing the fertiliser to run into drains.

Note also first aid precautions (4).

6. ACCIDENTAL RELEASE MEASURES

Wash down spillage promptly and avoid ingestion by livestock. Take care to avoid the contamination of watercourses and drains. Inform the appropriate water authority in the event of accidental watercourse contamination

7. HANDLING AND STORAGE

7.1 Handling: Avoid excessive generation of spray during transport of product. Take special care with absorbent materials such as clothing and insulating material contaminated with the fluid which, when dry, may exhibit incendiary properties.

12.4 Ecotoxicity

Low toxicity to aquatic life. TLM 96 between 10-100ppm.

13. DISPOSAL CONSIDERATIONS

Depending on the degree of contamination, dispose of by use on farm, by spraying thinly on open ground or to an authorised waste facility. Take care to avoid the contamination of watercourses and drains. Inform the appropriate water authority in the event of accidental watercourse contamination.

14. TRANSPORT INFORMATION

14.1 UN classification

Not classified i.e. considered non-hazardous material according to the UN Orange Book and international transport codes e.g. RID (rail), ADR (road) and IMDG (sea).

15. REGULATORY INFORMATION

15.1 EC Directives

76/116/EEC (Relating to fertilisers).

PRODUCT SUPPLIED BY:

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External references:

15.2 National Regulations

The Fertilisers Regulations 1991 and subsequent amendments.

16. OTHER INFORMATION

This safety data sheet provides health and safety information. The product is to be used in applications consistent with best farming practice. Individuals handling this product should be informed under COSHH of the recommended safety precautions and should have access to this information. The product information in this data sheet is to the best of the FMA's knowledge correct as at the date of publication.

Neither the FMA nor the Manufacturer, UKASTA or Supplier accepts liability for any loss or damage (other than that arising from death or personal injury caused by negligence if proved) resulting from reliance on this information. Further information on individual products covered by this safety data sheet may be obtained from the Supplier or the Company whose name, address and telephone number will be found on the fertiliser container.

DATA SHEET COMPILED BY:

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