

Trade name : **Yfh`]nYf`7 5 N &+!\$!\$**

1. Identification of the substance / preparation and of the company / undertaking

Product name: : **Yfh`]nYf`7 5 B`&+!\$!\$`f7 UVŵi a`#5 a a cbji a`b]fUŵYŁ**

Supplier :
Distributor : Agrium Europe S.A.
Avenue Louise 326
Bte 36
B – 1050
BRUXELLES – Belgique
Tel: +32 (0)2 646 70 00
Fax : +32 (0)2 646 68 60

Use : Mineral fertilizer for Agriculture
Emergency contact : National Chemical Emergency Center
Abington
Oxfordshire – United Kingdom
Tel : +44.208.762.8322

2. Composition/information on ingredients

Chemical designation of preparation :
Complex mixture of mineral constituents
Ingredients leading to classification :
Contains: Ammonium nitrate
No CAS : 6448-52-2 No EINECS : 229-347-8
Labelling : O - Oxidizer ; R 8-9
Content : 77% min
Impurities :
Organic filler (carbon) : ≤ 0,4%

Salts contained in the mixture mainly contain the following ions:
Nitrates : NO₃⁻ Ammonium : NH₄⁺
Carbonate: CO₃⁻ Calcium : Ca²⁺

MATERIAL SAFETY DATA SHEET

in accordance with amended directive 91/155/CEE

Created on : 13/10/2004 rev: 10/10/10
Version : 3.0

Page : 2/6

Trade name : **Yfh]nYf '7 5 B '&+!\$!\$**

3. Hazards identification

- European classification : This preparation is not regulated according to 67/548/EEC and 1999/45/EC European Directives, their adaptations and annexes.
- Physico-chemical: Decomposition can release toxic / corrosive gases.
The mixture can cause combustion of organic materials without air.
- For human : Prolonged contact with the skin or eyes can cause irritation.
In case of large inhalation product dust can cause irritation of the respiratory tract. Ingestion of large amounts can cause gastrointestinal symptoms.
In the event of fire, the product can be decomposed and release toxic gases.
- For the environment : Large scale or repeated discharge of the product into stagnant water can cause algae to proliferate or result in nitrate contamination. Used by plants.

4. First aid measures

- Inhalation : If the dust is inhaled, take the person out into the fresh air.
- Skin contact : Remove contaminated clothing. Wash with plenty of soap and water.
- Eye contact : Thoroughly rinse out with plenty of water with the eyelid held wide open.
Consult an eye specialist if irritation appears.
- Swallowing : If the person is conscious, rinse the mouth, make him drink several glasses of water, do not try to induce vomiting. Seek medical advice if the person is ill or has ingested a large quantity.

5. Fire-fighting measures

- Appropriate extinction methods: Sprayed water, in a large quantity.
- Not advised : Foams with organic emulsifier, sand, powder, carbon dioxide.
- Particular risks in the event of fire : Non combustible, but decomposition may produce toxic gas products NOx, NH3.
Risk of explosive decomposition if the product is contaminated or under confinement. Emission of toxic gases, See chapter 10.
- Special protective equipment: Wearing self contained breathing apparatus is strongly recommended.
- Other information: Cool containers threatened by fire with water.
Avoid pouring fire water down the drains.

6. Accidental release measures

- Individual precautions for spillage / leakage : If possible avoid contact with the skin and eyes.
Personnal precautions, see chapter 8.
- Cleaning up / absorption: Scrape up the product with a shovel and put it in a container, it can always be used if the product is not contaminated Forward for disposal.
Clean up affected area with plenty of water.
- Environmental protection precautions : Do not discharge the recovered product as is into the Environment, take steps to contain it.

MATERIAL SAFETY DATA SHEET

in accordance with amended directive 91/155/CEE

Created on : 13/10/2004 rev: 10/10/10
Version : 3.0

Page : 3/6

Trade name : Yfh`]nYf`7 5 B`&+!\$!\$

7. Handling and storage

Handling: No special measures for handling. Avoid generating excessive dust. use. Avoid all heating under pressure. Wash apparatus after use.

Storage: Store containers tightly closed in a cool place, in a well-ventilated place. Avoid all contamination by combustible materials. The product in bulk must be covered because of moisture.

Recommended packaging materials: Plastic material (polypropylene or polyethylene) or stainless steel.

8. Exposure controls/personal protection

Specific control parameters : Dust of product: VME 10 mg/m³

Technical measures : Ventilation of the work place.

Individual protection equipment: Respiratory protection: Possibly protective mask
Handling protection : Gloves
Eye protection : Safety glasses / goggles

Work hygiene: Wash your hands after work. Do not drink, eat or smoke at the work site.

9. Physical and chemical properties

Form: Solid pellets

Color : Rose to yellowish/white depending on origin

Odour : Odourless

pH value : approx 4,5 (solution at 10%)

Stage changes : Melting point/range 160 – 170°C (for the ammonium nitrate)
Boiling point : 210°C (decomposition of ammonium nitrate)

Flash point : Not applicable

Ignition temperature : Not applicable

Explosive limits : Lower / Upper: undetermined
Not Classified as explosive by test A14; Not Classified as oxidizer by A17

Density (kg/dm³) : 0,9 - 1,1 at 20°C

Water solubility : Partially soluble

Log P(o/w): Undetermined

MATERIAL SAFETY DATA SHEET

in accordance with amended directive 91/155/CEE

Created on : 13/10/2004 rev: 10/10/10
Version : 3.0

Page : 4/6

Trade name

: Yfh`]nYf`7 5 B`&+!\$!\$

10. Stability and reactivity

Stability : The product is stable under normal storage and conditions of use.

Conditions to avoid : None when applied and handled in accordance with conditions for use
Avoid pressurization and rise in temperature.

Incompatible materials: Alkalines and strong acids, hypochlorites, perchlorates, reducing agents, catalysts (metallic powder, copper, zinc, nickel and their alloys), or organics.

Hazardous decomposition products : At high temperatures: (> 250°C): Possible formation of NO(x) and NH₃.
NH₃ formed by contact with highly alkaline products

Further data : The mixture is hygroscopic

11. Toxicological information

Acute toxicity : Ammonium nitrate: LD50 oral (rat) 2500 – 3000 mg/kg (OCDE tests)

Long term toxicity : None of the main components is recorded on the IARC carcinogenic products lists.

Toxicological information : If the dust is inhaled: Irritation of the respiratory tracts, cough, possibility of breathing difficulties. In case of prolonged contact with skin : Possible irritation.
After eye contact: Possible irritation.
After ingestion: Possible pain in the oesophagus and stomach, may cause nausea, vomiting, dizziness, and diarrhea .

Other information: In case of ingestion in large quantity of ammonium nitrate, methaemoglobinemia is possible.

12. Ecological information

Formulation data :

Mobility :

Nitrates, ammonium ions and magnesium are absorbed by soil.

Soluble nitrates not absorbed change to aqueous phase.

Degradability :

The mixture is easily degradable by plants forming nitrogen.

Bioaccumulative potential :

Nothing known for ground and water organisms

Ecotoxicological effects:

The mixture is slightly toxic for water life.

Large discharge of nitrates into stagnant water can cause eutrophication.

Other information about ecology :

There is no risk of any ecological problems when appropriately handled and used.

MATERIAL SAFETY DATA SHEET

in accordance with amended directive 91/155/CEE

Created on : 13/10/2004 rev: 10/10/10
Version : 3.0

Page : 5/6

Trade name : Yfh`]nYf `7 5 B`&+!\$!\$

13. Disposal considerations

Product disposal :
Using the product correctly should not generate waste.

Packaging Disposal :
Disposal by incinerating or upgrading the material by recycling after disposing of product residue by washing with water.

14. Transport information

Shipping regulations :	ADR/RID/ADNR	IMDG/OMI	IATA/ICAO
Class :	----	----	----
UN-No.:	----	----	----
Packaging group:	----	----	----
Transport labelling :	Not applicable		Not applicable

15. Regulatory information

Labelling in accordance with EC directives and adapted versions of them:

This preparation is concerned by European laws, it is labelled according to EC Directive and rules in force.

Symbol : None

R-Phrases : None

S-Phrases : None.

Its main constituents are repeated in the European EINECS substances inventory.

Regulation according to EC fertilizer directives :

European regulation 2003/2003/EC and their appendices.: obligatory information for packaging.

MATERIAL SAFETY DATA SHEET

in accordance with amended directive 91/155/CEE

Created on : 13/10/2004 rev: 10/10/10
Version : 3.0

Page : 6/6

Trade name

: Yfh`]nYf`7 5 B`&+!\$!\$

16. Other information

Origin :

This sheet was prepared on the basis of information provided and updated by the distributor.

This sheet rounds off the technical instructions but does not replace them. The information given above is based on the present state of our knowledge and experience relating to the product involved at the time of updating. It is provided in good faith.

The attention of users moreover is drawn to possible risks encountered if this product is used for purposes other than those for which it was designed.

Under no circumstances does this sheet release users from knowing and applying all regulations governing their businesses.