

SAFETY DATA SHEET (SDS)

TITLE: FOSETYL-AL 800 WP

1.0 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY / UNDERTAKING

Product Identifier

Identification on the label / Trade name : AG FOSETYL-AL 800 WP

Common Name : FOSETYL-AL 800 WP

CAS No. : 39148-24-8

EC No. : 254-320-2

REACH registration No. : N/A

Relevant identified uses of the substance and uses advised against:

Agricultural Pesticide

Details of the Manufacturer / Supplier of the safety data sheet:

Supplier AGROMEC SARL

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2.0 HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification in accordance with Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures, as amended.

Serious eye damage: Category 1

H318 Causes serious eye damage.

2.2 Label elements

Labelling in accordance with Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures, as amended.

Hazard label for supply/use required.

Hazardous components which must be listed on the label:

Fosetyl-Aluminium





Signal word: Danger

Hazard statements

H318 Causes serious eye damage.

EUH401 To avoid risks to human health and the environment, comply with the instructions for

use.

Precautionary statements

P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

P305 + P351 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if

+ P338 present and easy to do. Continue rinsing.

P310 Immediately call a POISON CENTER/doctor/ physician.

P501 Dispose of contents/container in accordance with local regulation.

2.3 Other hazards

No other hazards known.

3.0 COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures

Chemical nature

Wettable powder (WP) Fosetyl-aluminium 80%

Hazardous components

Hazard statements according to Regulation (EC) No. 1272/2008

Name	CAS-No./	Classification	Conc. [%]
	EC-No. / REACH Reg. No.	REGULATION (EC) No 1272/2008	
Fosetyl-Aluminium	39148-24-8 254-320-2	Eye Dam. 1, H318	80,00
Alcohols, C11-14-iso-, C13-rich	68526-86-3 271-235-6 01-2119454259-32-XXXX	Skin Irrit. 2, H315 Aquatic Acute 1, H400 Aquatic Chronic 2, H411	>= 0,25 - < 2,5
Ethoxylated Alcohols C10-C16	68002-97-1 500-182-6	Eye Dam. 1, H318 Aquatic Acute 3, H412	>= 0,25 - < 2,5
Kaolin	1332-58-7 Not classified 310-194-1		> 1,0
Synthetic amorphous silica	112926-00-8 231-545-4 01-2119379499-16-xxxx	Not classified	> 1,0

Further information

Ethoxylated	68002-97-1	M-Factor: 1 (acute)
Alcohols C10-C16		



4.0 COMPOSITION/INFORMATION ON INGREDIENTS

4.1 Description of first aid measures

General advice Move out of dangerous area. When symptoms develop and persist,

seek medical advice.

Inhalation Move to fresh air.

Skin contact Wash off thoroughly with plenty of soap and water, if available with

polyethyleneglycol 400, subsequently rinse with water.

Eye contact Wash off immediately with plenty of water for at least 15 minutes. Eye

treatment by an ophthalmologist.

Ingestion Do NOT induce vomiting. Call a physician or poison control center

immediately. Keep patient warm and at rest.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms Skin, eye and mucous membrane irritation

4.3 Indication of any immediate medical attention and special treatment needed

Risks This product is not a cholinesterase inhibitor.

Treatment Gastric lavage is not normally required. However, if a significant

amount (more than a mouthful) has been ingested, administer activated charcoal and sodium sulphate. There is no specific antidote.

Treat symptomatically.

5.0 FIRE – FIGHTING MEASURES

5.1 Extinguishing media

Suitable Use water spray, alcohol-resistant foam, dry chemical or carbon

dioxide.

Unsuitable High volume water jet

5.2 Special hazards arising from the substance or

mixture

In the event of fire the following may be released:, Carbon monoxide

(CO), Nitrogen oxides (NOx), Oxides of phosphorus

5.3 Advice for firefighters

Special protective equipment for firefighters

In the event of fire, wear self-contained breathing apparatus. In the

event of fire and/or explosion do not breathe fumes.

Further information Contain the spread of the fire-fighting media. Do not allow run-off from

fire fighting to enter drains or water courses.



6.0 ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Precautions Keep people away from and upwind of spill/leak. Use personal

protective equipment. Avoid dust formation. Avoid contact with spilled product or contaminated surfaces. When dealing with a spillage do

not eat, drink or smoke.

6.2 Environmental

precautions

Do not allow to get into surface water, drains and ground water.

6.3 Methods and materials for containment and cleaning up

Methods for cleaning upAvoid dust formation. Use approved industrial vacuum cleaner for

removal. Collect and transfer the product into a properly labelled and tightly closed container. Clean contaminated floors and objects

thoroughly, observing environmental regulations.

Additional advice Check also for any local site procedures.

6.4 Reference to other

sections

Information regarding safe handling, see section 7.

Information regarding personal protective equipment, see section 8.

Information regarding waste disposal, see section 13.

7.0 HANDLING AND STORAGE

7.1 Precautions for safe handling

Advice on safe handling Use only in area provided with appropriate exhaust ventilation.

Advice on protection against fire and explosion

No special precautions required.

Hygiene measures Avoid contact with skin, eyes and clothing. Keep working clothes

separately. Remove contaminated clothing immediately and dispose of safely. Wash hands before breaks and immediately after handling the

product.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers

Store in original container. Store in a place accessible by authorized persons only. Keep containers tightly closed in a dry, cool and well-

ventilated place. Keep away from direct sunlight.

Advice on common storage Keep away from food, drink and animal feedingstuffs.

7.3 Specific end use(s) Refer to the label and/or leaflet.

8.0 EXPOSURE CONTROL/PERSONAL PROTECTION

8.1 Control parameters

Components	CAS-No.	Control parameters	Update	Basis
Fosetyl-Aluminium	39148-24-8	5 mg/m3		OES BCS*
		(TWA)		



8.2 Exposure controls

Personal protective equipment

In normal use and handling conditions please refer to the label and/or leaflet. In all other cases the following recommendations would apply.

Respiratory protection Wear respirator with a particle filter mask (protection factor 4)

conforming to European norm EN149FFP1 or equivalent.

Respiratory protection should only be used to control residual risk of short duration activities, when all reasonably practicable steps have been taken to reduce exposure at source e.g. containment and/or local extract ventilation. Always follow respirator manufacturer's

instructions regarding wearing and maintenance.

Hand protection Please observe the instructions regarding permeability and

breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the

contact time.

Wash gloves when contaminated. Dispose of when contaminated inside, when perforated or when contamination on the outside cannot

be removed. Wash hands frequently and always before eating,

drinking, smoking or using the toilet.

Material Nitrile rubber
Rate of permeability > 480 min
Glove thickness > 0,4 mm
Protective index Class 6

Directive Protective gloves complying with EN

374.

Eye protection Wear goggles (conforming to EN166, Field of Use = 5 or equivalent)

and faceshield (conforming to EN166, Field of Use = 3 or

equivalent).

Skin and body protection Wear standard coveralls and Category 3 Type 5 suit.

If there is a risk of significant exposure, consider a higher protective

type suit.

Wear two layers of clothing wherever possible. Polyester/cotton or cotton overalls should be worn under chemical protection suit and

should be professionally laundered frequently.

9.0 PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Form powder, fine
Colour light beige
Odour characteristic
Odour Threshold No data available

pH 3,0 - 4,0 (1 %) (23 °C) (deionized water)

Melting point/range No data available



Boiling Point No data available

Flash point Not relevant

Flammability The product is not highly flammable.

Auto-ignition temperature No data available

Minimum ignition energy > 10 mJ

MIE Cluster evaluated acc. to BTS report 2016/00141a

Self-accelarating

Upper explosion limit

decomposition temperature

(SADT)

emperature

No data available

No data available

Lower explosion limit 60 g/m3

Vapour pressure

Evaporation rate

Relative vapour density

Relative density

Density

No data available

available

No data available

No data available

No data available

No data available

Water solubility dispersible

Partition coefficient: n-

octanol/water

Fosetyl Aluminium: log Pow: -2,1

Viscosity, kinematic No data available

Oxidizing properties No oxidizing properties

Explosivity Not explosive

9.2 Other information Further safety related physical-chemical data are not known.

10.0 STABILITY AND REACTIVITY

10.1 Reactivity

Thermal decomposition Stable under normal conditions.

10.2 Chemical stability Stable under recommended storage conditions.

10.3 Possibility ofNo hazardous reactions when stored and handled according to

hazardous reactions prescribed instructions.



10.4 Conditions to avoid Extremes of temperature and direct sunlight.

Exposure to moisture.

10.5 Incompatible materials Store only in the original container.

10.6 Hazardous

decomposition products

No decomposition products expected under normal conditions of use.

11.0 TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute oral toxicity LD50 (Rat) 8.000 mg/kg

Acute inhalation toxicity LC50 (Rat) > 5,11 mg/l

Exposure time: 4 h

The value mentioned relates to the active ingredient fosetyl aluminium.

Acute dermal toxicity LD50 (Rat) > 5.000 mg/kg
Skin corrosion/irritation No skin irritation (Rabbit)

Serious eye damage/eye

irritation

Severe eye irritation. (Rabbit)

Respiratory or skin Skin: Non-sensitizing. (Guinea pig)

sensitisation OECD Test Guideline 406, Magnusson & Kligman test

The value mentioned relates to the active ingredient fosetyl aluminium.

Assessment STOT Specific target organ toxicity - single exposure

Fosetyl Aluminium: Based on available data, the classification criteria are not met.

Assessment STOT Specific target organ toxicity - repeated exposure

Fosetyl Aluminium did not cause specific target organ toxicity in experimental animal studies.

Assessment mutagenicity

Fosetyl Aluminium was not mutagenic or genotoxic in a battery of in vitro and in vivo tests.

Assessment carcinogenicity

Fosetyl Aluminium was not carcinogenic in lifetime feeding studies in rats and mice.

Assessment toxicity to reproduction

Fosetyl Aluminium did not cause reproductive toxicity in a two-generation study in rats.

Assessment developmental toxicity

Fosetyl Aluminium did not cause developmental toxicity in rats and rabbits.

Aspiration hazard

Based on available data, the classification criteria are not met.

12.0 ECOLOGICAL INFORMATION



LC50 (Oncorhynchus mykiss (rainbow trout)) > 122 mg/l Toxicity to fish

Exposure time: 96 h

The value mentioned relates to the active ingredient fosetyl aluminium.

EC50 (Daphnia magna (Water flea)) > 100 mg/l

Toxicity to aquatic

Exposure time: 48 h

invertebrates

The value mentioned relates to the active ingredient fosetyl aluminium.

Toxicity to aquatic plants IC50 (Desmodesmus subspicatus (green algae)) > 16 mg/l

Exposure time: 72 h

The value mentioned relates to the active ingredient fosetyl aluminium.

12.2 Persistence and degradability

Biodegradability Fosetyl Aluminium:

rapidly biodegradable

Koc Fosetyl Aluminium: Koc: 0,1

12.3 Bioaccumulative potential

Bioaccumulation Fosetyl Aluminium:

Does not bioaccumulate.

12.4 Mobility in soil

Mobility in soil Fosetyl Aluminium: Highly mobile in soils

12.5 Results of PBT and vPvB assessment

PBT and vPvB assessment Fosetyl Aluminium: This substance is not considered to be persistent,

bioaccumulative and toxic (PBT). This substance is not considered to be

very persistent and very bioaccumulative (vPvB).

12.6 Other adverse effects

Additional ecological

information

No other effects to be mentioned.

13.0 **DISPOSAL CONSIDERATIONS**

13.1 Waste treatment methods

Product In accordance with current regulations and, if necessary, after

consultation with the site operator and/or with the responsible authority, the product may be taken to a waste disposal site or incineration plant.

Not completely emptied packagings should be disposed of as **Contaminated packaging**

hazardous waste.

Waste key for the unused

product

02 01 08* agrochemical waste containing hazardous substances

14.0 TRANSPORT INFORMATION

According to ADN/ADR/RID/IMDG/IATA not classified as dangerous goods.

This classification is in principle not valid for carriage by tank vessel on inland waterways. Please refer to the manufacturer for further information.



14.1 – 14.5 Not applicable.14.6 Special precautions for userSee sections 6 to 8 of this Safety Data Sheet.

14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code No transport in bulk according to the IBC Code.

15.0 REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Further information

WHO-classification: U (Unlikely to present acute hazard in normal use)

15.2 Chemical safety assessment

A chemical safety assessment is not required.

16.0 OTHER INFORMATION

The information contained herein relates only to the specified material identified. AGROMEC believes that such information is accurate and reliable as of the data of this material safety data sheet, but no representation, guarantee or warranty, expressed or implied, is made as to the accuracy, reliability, or completeness of the information. AGROMEC urges persons receiving this information to make their own determination as to the information's suitability and completeness for their particular application.