

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1. Product identifier

Product form : Mixture  
 Product name : ASSOCIATE  
 Product code : FMC FL01N

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

#### 1.2.1. Relevant identified uses

Herbicide

#### 1.2.2. Uses advised against

No additional information available

### 1.3. Details of the supplier of the safety data sheet

FMC CHEMICAL Sprl  
 Boulevard de la Plaine, 9/3  
 1050 BRUXELLES - BELGIQUE  
 T 00 32 2 6459584 - F 00 32 2 6459655  
[msdsinfo@fmc.com](mailto:msdsinfo@fmc.com)

### 1.4. Emergency telephone number

Emergency number : 00 32 14 58 45 45 (all countries)

Country	Organisation/Company	Address	Emergency number
Belgique/België	Centre Anti-Poisons/Antigifcentrum c/o Hôpital Central de la Base - Reine Astrid	Rue Bruyn B -1120 Brussels	+32 70 245 245
Česká republika	Toxikologické informační středisko	Na Bojišti 1 120 00 Praha 2	+420 224 919 293 +420 224 915 402
Danmark	Giftlinjen Bispebjerg Hospital	Bispebjerg Bakke 23, 60, 1 DK-2400 Copenhagen NV	+45 82 12 12 12
Deutschland	Berliner Betrieb für Zentrale Gesundheitliche Aufgaben Institut für Toxikologie, Klinische Toxikologie und Giftnotruf Berlin	Oranienburger Strasse 285 13437 Berlin	+49 30 19240
España	Servicio de Información Toxicológica Instituto Nacional de Toxicología, Departamento de Madrid	Calle Luis Cabrera 9 E-28002 Madrid	+34 91 562 04 20
France	ORFILA	<a href="http://www.centres-antipoison.net">http://www.centres-antipoison.net</a>	+33 (0)1 45 42 59 59
IRELAND (REPUBLIC OF)	National Poisons Information Centre Beaumont Hospital	PO Box 1297 Beaumont Road 9 Dublin	+353 1 809 2166 (public, 8am - 10pm, 7/7)
Italia	Centro Antiveleni Ospedale Niguarda Ca' Granda	Piazza Ospedale Maggiore 3 20162 Milano	+39 02 6610 1029
Lietuva	Poisons Control and Information Bureau	Siltnamiu 29 2043 Vilnius	+370 523 62052 +370 687 53378
Magyar	Országos Kémiai Biztonsági Intézet (National Institute of Chemical Safety) Egészségügyi Toxikológiai Tájékoztató Szolgálat (Health Toxicological Information Service)	1437 Budapest PO Box 839 1097 Budapest, Nagyvárad tér 2	+36 80 20 11 99
Nederland	Nationaal Vergiftigingen Informatie Centrum (Uitsluitend bestemd omartsen te informeren bij accidentele vergiftigingen)	Heidelberglaan 100 3584 CX Utrecht	+31 30 274 88 88
Norge	Giftinformasjonen Directorate of Health and Social Affairs	P.O. Box 7000 St. Olavs Plass 130 Oslo	+47 22 591300
Polska	Warsaw Poison Control and Information Centre Praski Hospital	Al. Solidarnosci 67 P-03 401 Warszawa	+48 22 619 66 54 +48 22 619 08 97
Portugal	Centro de Informação Antivenenos – Dra Arlinda Borges Instituto Nacional de Emergência Médica (INEM)	Rua Almirante Barroso, 36 1000-013 Lisboa	808 250 143 (for use only in Portugal), +351 21 330 3284
România	Institutul National de Sanatate Publica	Str. Dr. Leonte Anastasievici Nr.1-3, Sector 5 Bucuresti, directie.generala {at} insp.gov.ro 050463 Bucuresti	+40 21318 3606
Slovenija	Poison Centre Division of Internal Medicine	University Clinical Centre Zaloska 7 1525 Ljubljana	+ 386 41 650 500
Slovensko	National Toxicological Information Centre University Hospital Bratislava	Limbová 5 833 05 Bratislava	+421 2 54 77 4 166
SUOMI	Myrkytystietokeskus	P.O.B 790 (Tukholmankatu 17) HUS SF - 00029 Helsinki	+358 9 471 977

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according to Regulation (EC) No. 453/2010

Country	Organisation/Company	Address	Emergency number
Sverige	Giftinformationscentralen Swedish Poisons Information Centre, Karolinska Hospital	Box 60 500 SE-171 76 Stockholm	08-331231 (Måndag-Fredag; 9.00-17.00) 112 (0.00-24.00)
UNITED KINGDOM	National Poisons Information Service (Birmingham Centre) City Hospital	Dudley Road B18 7QH Birmingham	0844 892 0111 (UK only, Monday to Friday, 08.00 to 18.00 hours)
България	National Toxicological Information Centre National Clinical Toxicology Centre, Emergency Medical Institute "Pirogov"	21 Tottleben Boulevard 1606 SOFIA	+359 2 9154 409

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

#### Classification according to Regulation (EC) No. 1272/2008 [CLP]

Skin Irrit. 2 H315

Eye Irrit. 2 H319

Aquatic Acute 1 H400

Aquatic Chronic 1 H410

Full text of H-statements: see section 16

#### Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

Xi; R36/38

N; R51/53

Full text of R-phrases: see section 16

#### Adverse physicochemical, human health and environmental effects

Irritating to eyes and skin

Toxic to aquatic life with long lasting effects

Not classified as flammable by EC criteria.

### 2.2. Label elements

#### Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP)



Signal word (CLP)

: Warning

Hazard statements (CLP)

: H315 - Causes skin irritation  
H319 - Causes serious eye irritation  
H410 - Very toxic to aquatic life with long lasting effects

Precautionary statements (CLP)

: P264 - Wash hands thoroughly after handling  
P280 - Wear protective gloves, protective clothing, eye protection, face protection  
P302+P352 - IF ON SKIN: Wash with plenty of soap and water  
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
P337+P313 - If eye irritation persists: Get medical advice/attention  
P332+P313 - If skin irritation occurs: Get medical advice/attention  
P362 - Take off contaminated clothing  
P501 - Dispose of contents/container to a licensed hazardous-waste disposal contractor or collection site except for empty clean containers which can be disposed of as non-hazardous waste.

EUH-statements

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

### 2.3. Other hazards

Other hazards not contributing to the classification

: None, to our knowledge.

## SECTION 3: Composition/information on ingredients

### 3.1. Substance

Not applicable

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### 3.2. Mixture

Name	Product identifier	%	Classification according to Directive 67/548/EEC	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Napropamide	(CAS No) 15299-99-7 (EC no) 239-333-3	< 50	N; R50/53	Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Ethylene glycol	(CAS No) 107-21-1 (EC no) 203-473-3 (EC index no) 603-027-00-1	< 5	Xn; R22	Acute Tox. 4 (Oral), H302
Sodium salt of a sulfated aromatic condensation product, aqueous solution	(CAS No) 115535-44-9	< 5	R52/53	Aquatic Chronic 3, H412

Full text of R- and H-statements: see section 16

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

First-aid measures after inhalation	: Move the affected person away from the contaminated area and into the fresh air Keep victim warm and rested Consult a doctor/medical service if you feel unwell.
First-aid measures after skin contact	: Remove all contaminated clothing and footwear Wash with soapy water.
First-aid measures after eye contact	: Rinse immediately and thoroughly, pulling the eyelids well away from the eye (15 minutes minimum) If irritation persists, consult an eye specialist.
First-aid measures after ingestion	: Rinse mouth out with water Never attempt to induce vomiting Consult a doctor/medical service if you feel unwell.

### 4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries : Irritation to eyes and skin.

### 4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically and supportively in response to reactions of patient.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media : All extinguishing agents can be used.  
Unsuitable extinguishing media : Strong water jet.

### 5.2. Special hazards arising from the substance or mixture

Fire hazard : Toxic fumes are released.

### 5.3. Advice for firefighters

Firefighting instructions : Contain the extinguishing fluids by bunding (the product is hazardous for the environment)  
Cool down the containers exposed to heat with a water spray  
Do not attempt to take action without suitable protective equipment  
Self-contained breathing apparatus  
Complete protective clothing.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

#### 6.1.1. For non-emergency personnel

Emergency procedures : Avoid contact with skin and eyes.

#### 6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment  
For further information refer to section 8: "Exposure controls/personal protection".

### 6.2. Environmental precautions

Contain the spilled material by bunding (product is hazardous for the environment)  
Do not discharge into drains or rivers.

### 6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Absorb remaining liquid with sand or inert absorbent and remove to safe place  
Wash away residue with large amounts of water.

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Other information : Dispose of contaminated materials in accordance with current regulations.

### 6.4. Reference to other sections

For further information refer to section 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling : Avoid contact with skin and eyes.  
Hygiene measures : Do not drink, eat or smoke in the workplace  
Always wash hands after handling the product.

### 7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Does not require any specific or particular technical measures.  
Storage conditions : Keep container tightly closed and dry  
Store in a cool, well-ventilated place  
Keep out of the reach of children  
Keep away from food, drink and animal feeding stuffs.  
Incompatible materials : Strong oxidizing agents  
Strong acids.  
Alkalis and caustic products.  
Storage temperature : ≤ 35 °C  
Packaging materials : Original packaging.

### 7.3. Specific end use(s)

No additional information available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

No additional information available

### 8.2. Exposure controls

Appropriate engineering controls : Ensure good ventilation of the work station.  
Hand protection : Impermeable protective gloves.  
Eye protection : Safety goggles.  
Respiratory protection : Vapours or aerosols : Self contained breathing apparatus.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state : Liquid  
Colour : Beige  
Odour : characteristic.  
Odour threshold : Not determined  
pH : 7 - 9  
Relative evaporation rate (butyl acetate=1) : Not determined  
Melting point : Not determined  
Boiling point : Not determined  
Flash point : > 82 °C  
Auto-ignition temperature : No data available  
Decomposition temperature : Not determined  
Flammability (solid, gas) : No data available  
Vapour pressure : Not determined  
Relative vapour density at 20 °C : Not determined  
Relative density : 1,1  
Solubility : Not determined.  
Log Pow : Not determined  
Viscosity, kinematic : Not determined  
Viscosity, dynamic : No data available  
Explosive properties : No data available  
Oxidising properties : Non oxidizing material according to EC criteria.  
Explosive limits : Not explosive

### 9.2. Other information

No additional information available

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### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

To our knowledge, the product does not present any particular risk.

#### 10.2. Chemical stability

Stable at ambient temperature and under normal conditions of use.

#### 10.3. Possibility of hazardous reactions

None to our knowledge.

#### 10.4. Conditions to avoid

High temperature.

#### 10.5. Incompatible materials

Strong oxidizing agents  
Strong acids  
Alkalis and caustic products.

#### 10.6. Hazardous decomposition products

On combustion or on thermal decomposition (pyrolysis) releases :  
Carbon oxides (CO, CO<sub>2</sub>)  
Nitrogen oxides.

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

Acute toxicity : Not classified (Based on available data, the classification criteria are not met)

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LD50 oral rat	> 2000 mg/kg
LD50 dermal rat	> 2000 mg/kg

Skin corrosion/irritation : Causes skin irritation.  
Serious eye damage/irritation : Causes serious eye irritation.  
Respiratory or skin sensitisation : Not classified (Based on available data, the classification criteria are not met)  
Germ cell mutagenicity : Not classified (Based on available data, the classification criteria are not met)

Napropamide  
No mutagenic effects were noted

Carcinogenicity : Not classified (Based on available data, the classification criteria are not met)  
Napropamide  
No carcinogenic effect was noted

Reproductive toxicity : Not classified (Based on available data, the classification criteria are not met)  
Napropamide  
Fertility and development toxicity tests did not reveal any effect on reproduction

Specific target organ toxicity (single exposure) : Not classified (Based on available data, the classification criteria are not met)

Specific target organ toxicity (repeated exposure) : Not classified (Based on available data, the classification criteria are not met)

Napropamide (15299-99-7)	
NOAEL (oral, rat, 90 days)	30 mg/kg bodyweight/day

Aspiration hazard : Not classified (Based on available data, the classification criteria are not met)

### SECTION 12: Ecological information

#### 12.1. Toxicity

Ecology - general : Very toxic to aquatic life with long lasting effects.

Napropamide (15299-99-7)	
LC50 fish	6,6 mg/l/96h
ErC50 (algae)	14,2 mg/l/72h

#### 12.2. Persistence and degradability

Napropamide (15299-99-7)	
Persistence and degradability	Not readily biodegradable.

#### 12.3. Bioaccumulative potential

Napropamide (15299-99-7)	
Log Pow	3,3 (25 °C)

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### 12.4. Mobility in soil

#### Napropamide (15299-99-7)

Mobility in soil : Medium mobility in soil

### 12.5. Results of PBT and vPvB assessment

#### Component

Napropamide (15299-99-7) : The product does not meet the PBT and vPvB classification criteria

### 12.6. Other adverse effects

No additional information available

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Waste treatment methods : Discharging into rivers and drains is forbidden.  
Waste disposal recommendations : Dispose of in accordance with relevant local regulations.  
Additional information : Destroy at an authorised site  
Do not re-use empty containers.

## SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

### 14.1. UN number

UN-No. (ADR) : 3082  
UN-No. (IATA) : 3082  
UN-No. (IMDG) : 3082

### 14.2. UN proper shipping name

Transport document description : UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.  
(Napropamide(15299-99-7)), 9, III, (E)

### 14.3. Transport hazard class(es)

Class : 9  
Hazard labels : 9



### 14.4. Packing group

Packing group : III

### 14.5. Environmental hazards

Dangerous for the environment :



Other information : Dangerous for the environment.

### 14.6. Special precautions for user

#### 14.6.1. Overland transport

Hazard identification number (Kemler No.) : 90  
Classification code (ADR) : M6  
Orange plates :



Tunnel restriction code (ADR) : E

#### 14.6.2. Transport by sea

Special provisions (IMDG) : 274  
335

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### 14.6.3. Air transport

Special provisions (IATA) : A97  
A158  
A197

### 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

## SECTION 15: Regulatory information

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

#### 15.1.1. EU-Regulations

Contains no substances with Annex XVII restrictions  
Contains no substance on the REACH candidate list  
Contains no REACH Annex XIV substances

#### 15.1.2. National regulations

No additional information available

### 15.2. Chemical safety assessment

No additional information available

## SECTION 16: Other information

Indication of changes:

This sheet was updated (refer to the date at the top of this page)

SDS changed section(s) : 2.

Other information : Associate and FMC are registered trademarks of FMC Corporation.

Full text of R-, H- and EUH-statements:

Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Acute 1	Hazardous to the aquatic environment — Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment — Chronic Hazard, Category 1
Aquatic Chronic 3	Hazardous to the aquatic environment — Chronic Hazard, Category 3
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Skin Irrit. 2	Skin corrosion/irritation, Category 2
H302	Harmful if swallowed
H315	Causes skin irritation
H319	Causes serious eye irritation
H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects
H412	Harmful to aquatic life with long lasting effects
R22	Harmful if swallowed
R36/38	Irritating to eyes and skin
R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
R52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment
N	Dangerous for the environment
Xi	Irritant
Xn	Harmful

FDS FMC UE (Annexe II REACH)

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product*