

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

according to Regulation (EC) No. 1272/2008 (CLP)

according to Regulation (EU) No. 2020/878



Trade name : Admeto
Revision date : 10/02/2023
Print date : 10/02/2023

Version : 2.1.0

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

1.1 Product identifier

Admeto

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

Relevant identified uses

Herbicides for plant protection, including haulm destructors and moss killers

Uses advised against

Not for uses different from those mentioned.

1.3 Details of the supplier of the safety data sheet

Supplier

Finchimica SpA

Street : Via Lazio, 13

Postal code/City : 25025 Manerbio

Telephone : (0039) 030938901

Telefax : (0039) 0309389201

Information contact : MSDS@finchimica.it

Distributor:

ASCENZA PRODUCTOS PARA AGRICULTURA, S.A.U.

Parque Empresarial Tàctica

C/Botiguers 3, 4^a Planta

46980 PATERNA (Valencia)

Tel 961 34 51 50

1.4 Emergency telephone number

(0039)030938901 (H. 7:30 - 17:00)

Poison Center

National Emergency Telephone of the Spanish Toxicology Center: + 34 91 562 04 20

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

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

Acute Tox. 4 ; H302 - Acute toxicity (oral) : Category 4 ; Harmful if swallowed.

Skin Irrit. 2 ; H315 - Skin corrosion/irritation : Category 2 ; Causes skin irritation.

Eye Irrit. 2 ; H319 - Serious eye damage/eye irritation : Category 2 ; Causes serious eye irritation.

Repr. 2 ; H361d - Reproductive toxicity : Category 2 ; Suspected of damaging the unborn child.

Asp. Tox. 1 ; H304 - Aspiration hazard : Category 1 ; May be fatal if swallowed and enters airways.

Aquatic Acute 1 ; H400 - Hazardous to the aquatic environment : Acute 1 ; Very toxic to aquatic life.

Aquatic Chronic 1 ; H410 - Hazardous to the aquatic environment : Chronic 1 ; Very toxic to aquatic life with long lasting effects.

2.2 Label elements

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

Hazard pictograms

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Exclamation mark (GHS07) · Health hazard (GHS08) · Environment (GHS09)

Signal word

Danger

Hazard components for labelling

Hydrocarbons, C10-C13, aromatics, < 1% naphthalene
N-(1-ETHYLPROPYL)-2,6-DINITRO-3,4-XYLIDINE ; CAS No. : 40487-42-1

Hazard statements

H304 May be fatal if swallowed and enters airways.
H361d Suspected of damaging the unborn child.
H302 Harmful if swallowed.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H410 Very toxic to aquatic life with long lasting effects.

Precautionary statements

P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood.
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P273 Avoid release to the environment.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P301+P330+P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P302+P352 IF ON SKIN: Wash with plenty of soap and water.
P391 Collect spillage.
P501 Dispose of contents/container to hazardous or special waste collection point.

Special rules for labelling of plant protection products

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

2.3 Other hazards

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

This product does not contain a substance that has endocrine disrupting properties with respect to humans as no components meets the criteria. This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Hazardous ingredients

Hydrocarbons, C10-C13, aromatics, < 1% naphthalene ; REACH No. : 01-2119451097-39-0000 ; EC No. : 922-153-0

Weight fraction : ≥ 55 - < 60 %

Classification 1272/2008 [CLP] : Asp. Tox. 1 ; H304 Aquatic Chronic 2 ; H411 EUH066

N-(1-ETHYLPROPYL)-2,6-DINITRO-3,4-XYLIDINE ; EC No. : 254-938-2; CAS No. : 40487-42-1

Weight fraction : ≥ 30 - < 35 %

Classification 1272/2008 [CLP] : Repr. 2 ; H361d Aquatic Acute 1 ; H400 Aquatic Chronic 1 ; H410 EUH401 EUH210

Specific Conc. Limits : (M Chronic=10)

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Benzenesulfonic acid, alkyl derivs., calcium salts ; EC No. : 932-231-6; CAS No. : 90194-26-6

Weight fraction : $\geq 3 - < 5$ %

Classification 1272/2008 [CLP] : Eye Dam. 1 ; H318 Skin Irrit. 2 ; H315 Aquatic Chronic 3 ; H412

2-METHYLPROPAN-1-OL ; EC No. : 201-148-0; CAS No. : 78-83-1

Weight fraction : $\geq 1 - < 3$ %

Classification 1272/2008 [CLP] : Flam. Liq. 3 ; H226 Eye Dam. 1 ; H318 Skin Irrit. 2 ; H315 STOT SE 3 ; H335 STOT SE 3 ; H336

Oxirane, methyl-,polymer with oxirane, monobutyl ether ; CAS No. : 9038-95-3

Weight fraction : $\geq 1 - < 5$ %

Classification 1272/2008 [CLP] : Acute Tox. 3 ; H331

Additional information

For full text of Hazard- and EU Hazard-statements: see SECTION 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

Remove contaminated, saturated clothing immediately. Wash immediately with: Water In case of skin reactions, consult a physician. After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately. Remove victim out of the danger area.

4.2 Most important symptoms and effects, both acute and delayed

Never give anything by mouth to an unconscious person or a person with cramps.

4.3 Indication of any immediate medical attention and special treatment needed

None

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Extinguishing media alcohol resistant foam Carbon dioxide (CO₂) Water mist

5.2 Special hazards arising from the substance or mixture

In case of fire may be liberated: Pyrolysis products, toxic

5.3 Advice for firefighters

In case of fire: Wear self-contained breathing apparatus. Wear a self-contained breathing apparatus and chemical protective clothing. Do not inhale explosion and combustion gases. Remove persons to safety.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Clear spills immediately.

For non-emergency personnel

Wear a self-contained breathing apparatus and chemical protective clothing. Remove persons to safety.

6.2 Environmental precautions

Do not allow to enter into surface water or drains. In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities. Retain contaminated washing water and dispose it.

6.3 Methods and material for containment and cleaning up

For containment

Collect in closed and suitable containers for disposal.

For cleaning up

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The contaminated area should be cleaned up immediately with: Water Soak up inert absorbent and dispose as waste requiring special attention. Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents). Avoid dust formation.

6.4 Reference to other sections

Disposal: see section 13

Personal protection equipment: see section 8

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Protective measures

Wear personal protection equipment (refer to section 8).

Measures to prevent aerosol and dust generation

Use only in well-ventilated areas. Do not breathe gas/fumes/vapour/spray. Do not breathe dust.

Specific requirements or handling rules

Handle with care - avoid bumps, friction and impact.

7.2 Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions

Protect against UV-radiation/sunlight Humidity.

Requirements for storage rooms and vessels

Only use containers specifically approved for the substance/product.

Hints on joint storage

Store at least 3 metres apart from: Chemicals/products that react together readily

7.3 Specific end use(s)

None

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limit values

2-METHYLPROPAN-1-OL ; CAS No. : 78-83-1

Limit value type (country of origin) : TRGS 900 (D)

Limit value : 100 ppm / 310 mg/m³

Peak limitation : 1(I)

Remark : Y

Version : 02/07/2021

8.2 Exposure controls

Only wear fitting, comfortable and clean protective clothing.

Personal protection equipment

Eye/face protection

Eye glasses with side protection EN 166

Skin protection

Hand protection

Tested protective gloves must be worn EN ISO 374 The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances.

Body protection

Wash contaminated clothing prior to re-use.

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Respiratory protection

If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn. The filter class must be suitable for the maximum contaminant concentration (gas/vapour/aerosol/particulates) that may arise when handling the product. If the concentration is exceeded, self-contained breathing apparatus must be used.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state : Suspension

Colour : dark brown

Odour : characteristic

Safety characteristics

Melting point/freezing point :			No data available		
Initial boiling point and boiling range :			244 - 292	°C	
Decomposition temperature :			No data available		
Flash point :			63	°C	
Auto-ignition temperature :			375	°C	
Oxidizing properties			Not oxidizing		
Lower explosion limit :			No data available		
Upper explosion limit :			No data available		
Vapour pressure :	(50 °C)		No data available		
Vapour Pressure :	(20 °C)		100	hPa	
Density :	(20 °C)		1,054	g/mL	
Relative density :	(20 °C)		No data available		
Water solubility :	(20 °C)		emusifiable		
pH (aqueous 1%)			5,5		
log P O/W :			No data available		
Flow time :	(20 °C)	>	90	s	DIN-cup 4 mm
Viscosity	(40 °C)		7,66	mPa*s	
Viscosity :	(20 °C)		15,6	mPa*s	
Cinematic viscosity :	(40 °C)		7,29	mm ² /s	
Cinematic viscosity (20°C; mm²/s)	(20 °C)		14,85	mm ² /s	
Odour threshold :			No data available		
Evaporation rate :			No data available		

Particle characteristics

No information available.

Flammable solids : No data available.

Flammable gases : No data available.

Explosive properties : Not explosive according to EU A.14.

9.2 Other information

None

SECTION 10: Stability and reactivity

10.1 Reactivity

This material is considered to be non-reactive under normal use conditions.

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10.2 Chemical stability

No hazardous reaction when handled and stored according to provisions.

10.3 Possibility of hazardous reactions

No hazardous reaction when handled and stored according to provisions.

10.4 Conditions to avoid

Further information on proper storage: see section 7.

10.5 Incompatible materials

Acid, concentrated. Alkali (lye), concentrated. Oxidising agent, strong.

10.6 Hazardous decomposition products

Decomposition products in case of fire: see section 5. Carbon dioxide. Carbon monoxide. Nitrogen oxides (NOx). Gases/vapours, toxic

SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity

Acute oral toxicity

Parameter :	LD50
Exposure route :	Oral
Species :	Rat
Effective dose :	500 - 2000 mg/kg
Method :	OECD 423
Parameter :	LD50 (Hydrocarbons, C10-C13, aromatics, < 1% naphthalene)
Exposure route :	Oral
Species :	Rat
Effective dose :	5000 mg/kg
Parameter :	LD50 (N-(1-ETHYLPROPYL)-2,6-DINITRO-3,4-XYLIDINE ; CAS No. : 40487-42-1)
Exposure route :	Oral
Species :	Rat
Effective dose :	4665 mg/kg bw
Parameter :	LD50 (Ethoxylated vegetable oil ; CAS No. : 61791-12-6)
Exposure route :	Oral
Species :	Rat
Effective dose :	> 2000 mg/kg
Method :	OECD 401
Parameter :	LD50 (2-METHYLPROPAN-1-OL ; CAS No. : 78-83-1)
Exposure route :	Oral
Species :	Rat
Effective dose :	2460 mg/kg

Acute dermal toxicity

Parameter :	LD50
Exposure route :	Dermal
Species :	Rat
Effective dose :	> 4000 mg/kg
Method :	OECD 402

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Parameter : LD50 (Hydrocarbons, C10-C13, aromatics, < 1% naphthalene)
Exposure route : Dermal
Species : Rabbit
Effective dose : > 2000 mg/kg

Parameter : LD50 (N-(1-ETHYLPROPYL)-2,6-DINITRO-3,4-XYLIDINE ; CAS No. : 40487-42-1)
Exposure route : Dermal
Species : Rat
Effective dose : > 5000 mg/kg bw

Parameter : LD50 (Ethoxylated vegetable oil ; CAS No. : 61791-12-6)
Exposure route : Dermal
Species : Rat
Effective dose : > 2000 mg/kg
Method : OECD 402

Acute inhalation toxicity

Parameter : LC50
Exposure route : Inhalation
Species : Rat
Effective dose : > 5,2 mg/l
Exposure time : 4 hour(s)
Method : OECD 402

Parameter : LC50 (Hydrocarbons, C10-C13, aromatics, < 1% naphthalene)
Exposure route : Inhalation
Species : Rat
Effective dose : > 4778 mg/m³
Method : OECD 403

Parameter : LC50 (N-(1-ETHYLPROPYL)-2,6-DINITRO-3,4-XYLIDINE ; CAS No. : 40487-42-1)
Exposure route : Inhalation
Species : Rat
Effective dose : > 6,73 mg/l

Parameter : LC50 (2-METHYLPROPAN-1-OL ; CAS No. : 78-83-1)
Exposure route : Inhalation
Species : Rat
Effective dose : 8000 ppm

Corrosion

Skin corrosion/irritation

Parameter : Skin corrosion/irritation
Species : Rabbit
Result : Irritant
Method : OECD 404

Parameter : Skin corrosion/irritation (Hydrocarbons, C10-C13, aromatics, < 1% naphthalene)
Method : OECD 404

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Parameter : Skin corrosion/irritation (N-(1-ETHYLPROPYL)-2,6-DINITRO-3,4-XYLIDINE ; CAS No. : 40487-42-1)
Species : Rabbit
Result : Non-irritant

Serious eye damage/eye irritation

Parameter : Serious eye damage/eye irritation
Species : Rabbit
Result : Irritant
Method : OECD 405

Parameter : Serious eye damage/eye irritation (Hydrocarbons, C10-C13, aromatics, < 1% naphthalene)
Method : OECD 405

Parameter : Serious eye damage/eye irritation (N-(1-ETHYLPROPYL)-2,6-DINITRO-3,4-XYLIDINE ; CAS No. : 40487-42-1)
Species : Rabbit
Result : Non-irritant

Respiratory or skin sensitisation

Skin sensitisation

Parameter : Skin sensitisation
Species : Guinea pig
Result : Not sensitising.
Method : OECD 406

Parameter : Skin sensitisation (Hydrocarbons, C10-C13, aromatics, < 1% naphthalene)
Method : OECD 406

Parameter : Skin sensitisation (N-(1-ETHYLPROPYL)-2,6-DINITRO-3,4-XYLIDINE ; CAS No. : 40487-42-1)
Result : Not sensitising.

Sensitisation to the respiratory tract

Parameter : Sensitisation to the respiratory tract
Species : Guinea pig
Result : Not sensitising.
Method : OECD 406

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

Carcinogenicity

Parameter : Carcinogenicity (N-(1-ETHYLPROPYL)-2,6-DINITRO-3,4-XYLIDINE ; CAS No. : 40487-42-1)
Result : Negative.

Germ cell mutagenicity

Genotoxicity

Parameter : Genotoxicity (N-(1-ETHYLPROPYL)-2,6-DINITRO-3,4-XYLIDINE ; CAS No. : 40487-42-1)
Result : Negative.

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Reproductive toxicity

Adverse effects on sexual function and fertility

Parameter : Adverse effects on sexual function and fertility (N-(1-ETHYLPROPYL)-2,6-DINITRO-3,4-XYLIDINE ; CAS No. : 40487-42-1)
Result : Positive.

STOT-single exposure

STOT SE 1 and 2

Parameter : STOT SE 1 and 2 (N-(1-ETHYLPROPYL)-2,6-DINITRO-3,4-XYLIDINE ; CAS No. : 40487-42-1)
Exposure route : Rat
Result : Positive.

STOT-repeated exposure

STOT RE 1 and 2

Parameter : STOT RE 1 and 2 (N-(1-ETHYLPROPYL)-2,6-DINITRO-3,4-XYLIDINE ; CAS No. : 40487-42-1)
Result : Positive.

Aspiration hazard

May be fatal if swallowed and enters airways.

11.2 Information on other hazards

No information available.

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity

Acute (short-term) fish toxicity

Parameter : LC50
Species : Oncorhynchus mykiss (Rainbow trout)
Effective dose : 1,5 mg/l
Exposure time : 96 hour(s)

Parameter : LL50 (Hydrocarbons, C10-C13, aromatics, < 1% naphthalene)
Species : Oncorhynchus mykiss (Rainbow trout)
Effective dose : 3,6 mg/l
Exposure time : 96 hour(s)

Parameter : LC50 (N-(1-ETHYLPROPYL)-2,6-DINITRO-3,4-XYLIDINE ; CAS No. : 40487-42-1)
Species : Oncorhynchus mykiss (Rainbow trout)
Effective dose : 0,196 mg/l
Exposure time : 96 hour(s)

Parameter : LC50 (N-(1-ETHYLPROPYL)-2,6-DINITRO-3,4-XYLIDINE ; CAS No. : 40487-42-1)
Species : Pimephales promelas (fathead minnow)
Effective dose : > 0,24 mg/l
Exposure time : 96 hour(s)

Parameter : LC50 (Ethoxylated vegetable oil ; CAS No. : 61791-12-6)

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Species : Danio rerio (zebrafish)
Effective dose : 183 mg/l
Exposure time : 96 hour(s)
Method : OECD 203

Chronic (long-term) fish toxicity

Parameter : NOEC (N-(1-ETHYLPROPYL)-2,6-DINITRO-3,4-XYLIDINE ; CAS No. : 40487-42-1)
Species : Pimephales promelas (fathead minnow)
Effective dose : 0,0063 mg/l

Acute (short-term) toxicity to crustacea

Parameter : EC50
Species : Daphnia magna (Big water flea)
Effective dose : 1,76 mg/l
Exposure time : 48 hour(s)
Method : OECD 202

Parameter : EL50 (Hydrocarbons, C10-C13, aromatics, < 1% naphthalene)
Species : Daphnia magna (Big water flea)
Effective dose : 1,1 mg/l
Exposure time : 48 hour(s)

Parameter : EC50 (Ethoxylated vegetable oil ; CAS No. : 61791-12-6)
Species : Daphnia magna (Big water flea)
Effective dose : > 1000 mg/l
Exposure time : 48 hour(s)
Method : OECD 202

Chronic (long-term) toxicity to aquatic invertebrate

Parameter : NOEC (N-(1-ETHYLPROPYL)-2,6-DINITRO-3,4-XYLIDINE ; CAS No. : 40487-42-1)
Species : Daphnia magna (Big water flea)
Effective dose : 0,0145 mg/l
Exposure time : 21 day(s)

Acute (short-term) toxicity to algae and cyanobacteria

Parameter : NOELR (Hydrocarbons, C10-C13, aromatics, < 1% naphthalene)
Species : Pseudokirchneriella subcapitata
Effective dose : 0,22 mg/l
Exposure time : 72 hour(s)

Parameter : EL50 (Hydrocarbons, C10-C13, aromatics, < 1% naphthalene)
Species : Pseudokirchneriella subcapitata
Effective dose : 7,9 mg/l
Exposure time : 72 hour(s)

Parameter : EC50 (N-(1-ETHYLPROPYL)-2,6-DINITRO-3,4-XYLIDINE ; CAS No. : 40487-42-1)
Species : Daphnia magna (Big water flea)
Effective dose : 0,147 mg/l
Exposure time : 48 hour(s)

Parameter : ErC50 (N-(1-ETHYLPROPYL)-2,6-DINITRO-3,4-XYLIDINE ; CAS No. : 40487-42-1)
Species : Selenastrum capricornutum

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Effective dose : 0,0093 mg/l
Exposure time : 72 hour(s)

Toxicity to other aquatic plants/organisms

Parameter : EC50
Species : Eurasian watermilfoil (*Myriophyllum spicatum*)
Effective dose : > 1000 µg/l
Exposure time : 14 day(s)
Method : OECD 239

Parameter : EC50
Species : Lemna gibba (swollen duckweed)
Effective dose : > 1000 µg/l
Exposure time : 7 day(s)
Method : OECD 221

Parameter : ErC50 (N-(1-ETHYLPROPYL)-2,6-DINITRO-3,4-XYLIDINE ; CAS No. : 40487-42-1)
Species : Lemna gibba (swollen duckweed)
Effective dose : 0,012 mg/l
Exposure time : 7 day(s)

Toxicity to microorganisms

Parameter : EC50 (Ethoxylated vegetable oil ; CAS No. : 61791-12-6)
Species : *Pseudomonas putida*
Effective dose : > 1000 mg/l
Method : DIN 38412 / part 8

Terrestrial toxicity

Toxicity to soil macroorganisms except of arthropods

Acute earthworm toxicity

Parameter : LC50
Species : *Eisenia fetida*
Effective dose : 98,35 mg/kg dw
Exposure time : 56 day(s)

Chronical earthworm toxicity (reproduction)

Parameter : NOEC
Species : *Eisenia fetida*
Effective dose : 14,9 mg/kg dw
Exposure time : 56 day(s)

Toxicity to terrestrial arthropods

Insect toxicity

Parameter : LD50
Species : *Apis mellifera* (bee)
Evaluation parameter : Oral
Effective dose : 80,3 µg/bee

Parameter : LD50
Species : *Apis mellifera* (bee)
Evaluation parameter : Dermal

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Effective dose : 100 µg/bee

Parameter : LD50 (N-(1-ETHYLPROPYL)-2,6-DINITRO-3,4-XYLIDINE ; CAS No. : 40487-42-1)
Species : Apis mellifera (bee)
Evaluation parameter : Oral
Effective dose : > 101,2 µg/bee

Parameter : LD50 (N-(1-ETHYLPROPYL)-2,6-DINITRO-3,4-XYLIDINE ; CAS No. : 40487-42-1)
Species : Apis mellifera (bee)
Evaluation parameter : Dermal
Effective dose : > 100 µg/bee

Toxicity to birds

Acute and subchronic bird toxicity

Parameter : LD50 (N-(1-ETHYLPROPYL)-2,6-DINITRO-3,4-XYLIDINE ; CAS No. : 40487-42-1)
Species : Anas platyrhynchos (maillard duck)
Effective dose : 1421 mg/kg bw
Source : Extoxnet

12.2 Persistence and degradability

Abiotic degradation

Abiotic degradation (Air)

Parameter : Half-life time (N-(1-ETHYLPROPYL)-2,6-DINITRO-3,4-XYLIDINE ; CAS No. : 40487-42-1)
Degradation rate : 90 day(s)

Biodegradation

Parameter : Biodegradation (Hydrocarbons, C10-C13, aromatics, < 1% naphthalene)
Degradation rate : 28 D

Parameter : DOC reduction (Ethoxylated vegetable oil ; CAS No. : 61791-12-6)
Degradation rate : 690 mg/g

Parameter : COD-decrease (Ethoxylated vegetable oil ; CAS No. : 61791-12-6)
Degradation rate : 2090 mg/g

12.3 Bioaccumulative potential

Parameter : Bioconcentration factor (BCF) (N-(1-ETHYLPROPYL)-2,6-DINITRO-3,4-XYLIDINE ; CAS No. : 40487-42-1)
Fish
Value : 5100

Parameter : Bioconcentration factor (BCF) (N-(1-ETHYLPROPYL)-2,6-DINITRO-3,4-XYLIDINE ; CAS No. : 40487-42-1)
Fish
Daphnia
Value : 1000

12.4 Mobility in soil

Adsorption

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Revision date : 10/02/2023
Print date : 10/02/2023

Version : 2.1.0

Parameter : Log KOW (N-(1-ETHYLPROPYL)-2,6-DINITRO-3,4-XYLIDINE ; CAS No. : 40487-42-1)
Effective dose : 1,197

12.5 Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

12.6 Endocrine disrupting properties

No information available.

12.7 Other adverse effects

No information available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Directive 2008/98/EC (Waste Framework Directive)

After intended use

Disposal operations

Evidence for disposal must be provided. Send to a hazardous waste incinerator facility under observation of official regulations.

SECTION 14: Transport information

14.1 UN number or ID number

UN 3082

14.2 UN proper shipping name

Land transport (ADR/RID)

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Hydrocarbons, C10-C13, aromatics, < 1% naphthalene · N-(1-ETHYLPROPYL)-2,6-DINITRO-3,4-XYLIDINE)

Sea transport (IMDG)

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Hydrocarbons, C10-C13, aromatics, < 1% naphthalene · N-(1-ETHYLPROPYL)-2,6-DINITRO-3,4-XYLIDINE)

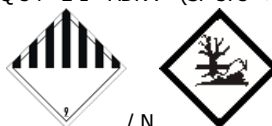
Air transport (ICAO-TI / IATA-DGR)

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Hydrocarbons, C10-C13, aromatics, < 1% naphthalene · N-(1-ETHYLPROPYL)-2,6-DINITRO-3,4-XYLIDINE)

14.3 Transport hazard class(es)

Land transport (ADR/RID)

Class(es) : 9
Classification code : M6
Hazard identification number (Kemler No.) : 90
Tunnel restriction code : -
Special provisions : LQ 5 | · E 1 · ADR : - (SP 375 <= 5 l/kg)
Hazard label(s) :



9 / N

Sea transport (IMDG)

Class(es) : 9
EmS-No. : F-A / S-F
Special provisions : LQ 5 | · E 1 · IMDG : - (SP 2.10.2.7 <= 5 l/kg)

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

according to Regulation (EC) No. 1272/2008 (CLP)

according to Regulation (EU) No. 2020/878



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Hazard label(s) : 9 / N
Air transport (ICAO-TI / IATA-DGR)
Class(es) : 9
Special provisions : E 1 · IATA : - (SP A197 <= 5 l/kg)
Hazard label(s) : 9 / N

14.4 Packing group

III

14.5 Environmental hazards

Land transport (ADR/RID) : Yes
Sea transport (IMDG) : Yes (P)
Air transport (ICAO-TI / IATA-DGR) : Yes

14.6 Special precautions for user

None

14.7 Maritime transport in bulk according to IMO instruments

None

SECTION 15: Regulatory information

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

Regulation (EC) No. 1907/2006 (REACH)
Classification according to Regulation (EC) No 1272/2008 [CLP] according to Regulation (EU) No. 2020/878
Regulation (EC) No. 2037/2000 concerning materials, which cause damage to the ozone layer. Regulation (EC) 2019/1021 [POP Regulation] Regulation (EC) No. 689/2008
Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances [Seveso-III-Directive]
Legislative Decree 81/2008 and subsequent amendments
Legislative Decree 152/2006 and subsequent amendments

15.2 Chemical Safety Assessment

No information available.

SECTION 16: Other information

16.1 Indication of changes

None

16.2 Abbreviations and acronyms

ADR: Accord européen relative au transport international des marchandises dangereuses par route
ASTM: ASTM International, formerly known as American Society for Testing and Materials (ASTM)
EINECS: European Inventory of Existing Commercial Chemical Substances
EC50: Effective Concentration 50
LC50: Lethal Concentration 50
IC50: Inhibitor Concentration 50
NOEL: No Observed Effect Level
DNEL: Derived No Effect Level
DMEL: Derived Minimum Effect Level
CLP: Classification, Labelling and Packaging
CSR: Chemical Safety Report
LD50: Lethal Dose 50
IATA: International Air Transport Association

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

according to Regulation (EC) No. 1272/2008 (CLP)

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ICAO:	International Civil Aviation Organization
Codice IMDG:	International Maritime Dangerous Goods code
PBT:	Persistent, bioaccumulative and toxic
RID:	Règlement concernent le transport International ferroviaire des marchandises Dangereuses
STEL:	Short term exposure limit
TLV:	Threshold limit value
TWA:	Time Weighted Average
UE:	European Union
vPvB:	Very persistent very bioaccumulative
N.D.:	No data available.
N.A.:	Not applicable
VwVwS.:	Text of Administrative Regulation on the Classification of Substances hazardous to waters into Water Hazard Classes (Verwaltungsvorschrift wassergefährdende Stoffe – VwVwS)

16.3 Key literature references and sources for data

None

16.4 Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]

No information available.

16.5 Relevant H- and EUH-phrases (Number and full text)

H226	Flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H331	Toxic if inhaled.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H361d	Suspected of damaging the unborn child.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
EUH066	Repeated exposure may cause skin dryness or cracking.

16.6 Training advice

None

16.7 Additional information

None

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.