

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## ALTIVATE

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	07.06.2022	107134	Date of first issue: 07.06.2022
		Region: AT	Print Date: 15.08.2022
		Language: EN	

---

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

#### 1.1 Product identifier

Trade name : ALTIVATE  
Product code : 107134

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

Use of the Sub-stance/Mixture : Herbicide

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

Company : HELM AG  
Nordkanalstrasse 28  
20097 Hamburg  
Telephone : +49/4023750  
Telefax : +49/4023751845  
E-mail address of person responsible for the SDS : SDB@HELMAG.COM

#### 1.4 Emergency telephone number

For medical advice:  
+431 406 43 43 (Vergiftungsinformationszentrale der Gesundheit Österreich GmbH)  
+49 89 220 61012 (NCEC, National Chemical Emergency Centre)  
In case of transport incidents and other emergencies:  
+44 1865 407333 (NCEC, National Chemical Emergency Centre)

---

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

##### Classification (REGULATION (EC) No 1272/2008)

Short-term (acute) aquatic hazard, Category 1 H400: Very toxic to aquatic life.

Long-term (chronic) aquatic hazard, Category 1 H410: Very toxic to aquatic life with long lasting effects.

#### 2.2 Label elements

##### Labelling (REGULATION (EC) No 1272/2008)

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## ALTIVATE

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	07.06.2022	107134	Date of first issue: 07.06.2022
		Region: AT	Print Date: 15.08.2022
		Language: EN	

Hazard pictograms :



GHS09

Signal word : Warning

Hazard statements : H410 Very toxic to aquatic life with long lasting effects.

Precautionary statements : P101 If medical advice is required, have packaging or label ready.  
P102 Must not get into the hands of children.

**Prevention:**

P270 Do not eat, drink or smoke when used.

**Response:**

P391 Absorb spilled quantities.

**Disposal:**

P501 Proper disposal of contents / containers.

### Additional Labelling

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

### 2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Ecological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Toxicological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

---

## SECTION 3: Composition/information on ingredients

### 3.1 Substances

Not applicable

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## ALTIVATE

Version 1.0      Revision Date: 07.06.2022      SDS Number: 107134      Date of last issue: -  
Date of first issue: 07.06.2022  
Region: AT      Print Date: 15.08.2022  
Language: EN

### 3.2 Mixtures

#### Components

Chemical name	CAS-No. EC-No. Index-No. Registration number	Classification	Concentration (% w/w)
Mefenpyr-diethyl	135590-91-9	Skin Irrit. 2; H315 Aquatic Chronic 2; H411	>= 10 - < 20
benzoic acid, 2-[[[(4,6-dimethoxy-2-pyrimidinyl)amino]carbonyl]amino]sulfonyl]-4-[[[(methylsulfonyl)amino]methyl]-, methyl ester	208465-21-8 607-729-00-9	Aquatic Acute 1; H400 Aquatic Chronic 1; H410  M-Factor (Acute aquatic toxicity): 100 M-Factor (Chronic aquatic toxicity): 100	>= 2,5 - < 10
sodium carbonate	497-19-8 207-838-8 011-005-00-2 01-2119485498-19	Eye Irrit. 2; H319	>= 1 - < 10
Substances with a workplace exposure limit :			
kaolin	1332-58-7 310-194-1		>= 70 - < 90

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

- General advice : Take off all contaminated clothing immediately.  
Call a doctor immediately if allergic signs, particularly in the respiratory tract, are observed.  
When symptoms persist or in all cases of doubt seek medical advice.
- If inhaled : If inhaled, remove to fresh air.
- In case of skin contact : In case of skin contact  
Wash off with plenty of water.
- In case of eye contact : In case of eye contact, remove contact lens and rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.  
Protect unharmed eye.
- If swallowed : Rinse mouth with water.  
Do NOT induce vomiting.

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## ALTIVATE

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	07.06.2022	107134	Date of first issue: 07.06.2022
		Region: AT	Print Date: 15.08.2022
		Language: EN	

---

Never give anything by mouth to an unconscious person.

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

Symptoms : No information available.

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

Treatment : Treat symptomatically.

---

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

Suitable extinguishing media : Alcohol-resistant foam  
Dry chemical  
Carbon dioxide (CO<sub>2</sub>)  
Water spray

Unsuitable extinguishing media : High volume water jet

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

Hazardous combustion products : In the event of fire, the following can be released:  
Carbon dioxide (CO<sub>2</sub>)  
Carbon monoxide  
Sulphur oxides

No hazardous combustion products are known

### 5.3 Advice for firefighters

Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.  
Use personal protective equipment.

Further information : Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

---

## SECTION 6: Accidental release measures

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

Personal precautions : Refer to protective measures listed in sections 7 and 8.

### 6.2 Environmental precautions

Environmental precautions : Do not flush into surface water or sanitary sewer system.  
Do not allow uncontrolled discharge of product into the environment.  
Inform the responsible authorities in case of gas leakage, or of

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## ALTIVATE

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	07.06.2022	107134	Date of first issue: 07.06.2022
		Region: AT	Print Date: 15.08.2022
		Language: EN	

---

entry into waterways, soil or drains.

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

Methods for cleaning up : Pick up and arrange disposal without creating dust.  
Use mechanical handling equipment.

### 6.4 Reference to other sections

Information regarding safe handling, see chapter 7. For personal protection see section 8. For disposal considerations see section 13.

---

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Advice on safe handling : Handle with care. Avoid inhalation, ingestion and contact with skin and eyes. Provide sufficient air exchange and/or exhaust in work rooms.

Advice on protection against fire and explosion : Dust can form an explosive mixture with air. Take measures to prevent the build up of electrostatic charge. Keep away from heat and sources of ignition.

Hygiene measures : Avoid contact with skin, eyes and clothing. Contaminated work clothing should not be allowed out of the workplace. Wash hands before breaks and at the end of workday. Wash hands before eating, drinking, or smoking.

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

Requirements for storage areas and containers : Keep containers tightly closed in a dry, cool and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Keep in properly labelled containers.

Advice on common storage : Substances to be avoided, pls. See chapter 10.

Recommended storage temperature : 0 - 25 °C

### 7.3 Specific end use(s)

Specific use(s) : No data available.

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## ALTIVATE

Version 1.0      Revision Date: 07.06.2022      SDS Number: 107134      Date of last issue: -  
Date of first issue: 07.06.2022  
Region: AT      Print Date: 15.08.2022  
Language: EN

### SECTION 8: Exposure controls/personal protection

#### 8.1 Control parameters

##### Occupational Exposure Limits

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis
kaolin	1332-58-7	MAK-TMW (Alveolar dust fraction)	0,05 mg/m <sup>3</sup>	AT OEL
		TWA (Respirable dust)	0,1 mg/m <sup>3</sup>	2004/37/EC
Further information: Carcinogens or mutagens				

##### Derived No Effect Level (DNEL) according to Regulation (EC) No. 1907/2006:

Substance name	End Use	Exposure routes	Potential health effects	Value
sodium carbonate	Workers	Inhalation	Long-term exposure, Chronic effects, Local effects	10 mg/m <sup>3</sup>
	Consumers	Inhalation	Short-term exposure, Acute effects, Local effects	10 mg/m <sup>3</sup>

#### 8.2 Exposure controls

##### Engineering measures

Effective exhaust ventilation system  
Maintain air concentrations below occupational exposure standards.

##### Personal protective equipment

Eye protection : Safety glasses with side-shields  
Equipment should conform to EN 166

##### Hand protection

Remarks : Protective gloves complying with EN 374. Gloves must be inspected prior to use. 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. Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough.

Skin and body protection : Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place.  
Preventive skin protection

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## ALTIVATE

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	07.06.2022	107134	Date of first issue: 07.06.2022
		Region: AT	Print Date: 15.08.2022
		Language: EN	

---

Respiratory protection : In case of dust formation, take appropriate measures for breathing protection in the event workplace threshold values are not specified.

Apply technical measures to comply with the occupational exposure limits.  
When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

---

### SECTION 9: Physical and chemical properties

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

Physical state	:	solid
Colour	:	beige
Odour	:	No data available
Odour Threshold	:	No data available
Melting point/freezing point	:	No data available
Boiling point/boiling range	:	No data available
Flammability	:	not flammable Method: EEC A10
Upper explosion limit / Upper flammability limit	:	No data available
Lower explosion limit / Lower flammability limit	:	No data available
Flash point	:	Not applicable
Auto-ignition temperature	:	Not applicable
pH	:	ca. 8,7 (20 °C) Concentration: 1 % Method: CIPAC MT 75.3 (as aqueous solution)
Viscosity	:	
Viscosity, kinematic	:	No data available
Solubility(ies)	:	
Water solubility	:	No data available

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## ALTIVATE

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	07.06.2022	107134	Date of first issue: 07.06.2022
		Region: AT	Print Date: 15.08.2022
		Language: EN	

Solubility in other solvents : No data available

Partition coefficient: n-octanol/water : No data available

Vapour pressure : No data available

Relative density : No data available

Density : No data available

Bulk density : ca. 0,776 g/cm<sup>3</sup>  
(20 °C)  
Method: CIPAC MT 186  
Tap density  
  
ca. 0,858 g/cm<sup>3</sup>  
(20 °C)  
Method: CIPAC MT 186

Relative vapour density : Not applicable

Particle characteristics  
Particle size : No data available

### 9.2 Other information

Explosives : Not explosive

Oxidizing properties : none

Method: EEC A17

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No dangerous reaction known under conditions of normal use.

### 10.2 Chemical stability

No decomposition if stored and applied as directed.

### 10.3 Possibility of hazardous reactions

Hazardous reactions : No dangerous reaction known under conditions of normal use.

### 10.4 Conditions to avoid

Conditions to avoid : Keep away from open flames, hot surfaces and sources of ignition.



# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## ALTIVATE

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	07.06.2022	107134	Date of first issue: 07.06.2022
		Region: AT	Print Date: 15.08.2022
		Language: EN	

### 10.5 Incompatible materials

Materials to avoid : Acids  
Bases  
Oxidizing agents

### 10.6 Hazardous decomposition products

None, when used as directed.

## SECTION 11: Toxicological information

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

#### Acute toxicity

Not classified based on available information.

#### Components:

##### **Mefenpyr-diethyl, CAS: 135590-91-9**

Acute oral toxicity : LD50 (Rat): > 5.000 mg/kg  
Method: OECD Test Guideline 401  
Remarks: Source: ECHA

Acute inhalation toxicity : LC50 (Rat): > 1,32 mg/l  
Exposure time: 4 h  
Test atmosphere: dust/mist  
Method: OECD Test Guideline 403  
Remarks: Source: ECHA

Acute dermal toxicity : LD50 (Rat): > 4.000 mg/kg  
Method: OECD Test Guideline 402  
Remarks: Source: ECHA

##### **sodium carbonate, CAS: 497-19-8, EINECS: 207-838-8**

Acute oral toxicity : LD50 (Rat): 2.800 mg/kg  
Remarks: Source: ECHA

Acute dermal toxicity : LD50 (Rabbit): > 2.000 mg/kg  
Method: EPA 16 CFR 1500.40  
Remarks: Source: ECHA

#### **Skin corrosion/irritation**

Not classified based on available information.

#### Product:

Species : Human Skin Model  
Method : OECD Test Guideline 439  
Result : No skin irritation

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## ALTIVATE

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	07.06.2022	107134	Date of first issue: 07.06.2022
		Region: AT	Print Date: 15.08.2022
		Language: EN	

---

### Components:

#### **Mefenpyr-diethyl, CAS: 135590-91-9**

Species	: Rabbit
Exposure time	: 72 h
Method	: OECD Test Guideline 404
Result	: No skin irritation
Remarks	: Source: ECHA

#### **sodium carbonate, CAS: 497-19-8, EINECS: 207-838-8**

Species	: Rabbit
Method	: OECD Test Guideline 404
Result	: No skin irritation
Remarks	: Source: ECHA

### **Serious eye damage/eye irritation**

Not classified based on available information.

### Product:

Species	: Bovine Eye
Method	: OECD Test Guideline 437
Result	: No eye irritation

### Components:

#### **Mefenpyr-diethyl, CAS: 135590-91-9**

Species	: Rabbit
Exposure time	: 24 h
Method	: OECD Test Guideline 405
Result	: No skin irritation
Remarks	: Source: ECHA

#### **sodium carbonate, CAS: 497-19-8, EINECS: 207-838-8**

Species	: Rabbit
Result	: irritant
Remarks	: Source: ECHA

### **Respiratory or skin sensitisation**

#### **Skin sensitisation**

Not classified based on available information.

#### **Respiratory sensitisation**

Not classified based on available information.

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## ALTIVATE

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	07.06.2022	107134	Date of first issue: 07.06.2022
		Region: AT	Print Date: 15.08.2022
		Language: EN	

### Components:

#### **Mefenpyr-diethyl, CAS: 135590-91-9:**

Exposure routes	: Dermal
Species	: Guinea pig
Method	: OECD Test Guideline 406
Result	: non-sensitizing
Remarks	: Source: ECHA

#### **Germ cell mutagenicity**

Not classified based on available information.

### Components:

#### **Mefenpyr-diethyl, CAS: 135590-91-9**

Genotoxicity in vivo	: Test Type: Chromosome aberration test
	Species: Mouse
	Application Route: Oral
	Exposure time: 72 h
	Method: OECD Test Guideline 474
	Remarks: Based on available data, the classification criteria are not met.
	Source: ECHA

#### **Carcinogenicity**

Not classified based on available information.

### Components:

#### **Mefenpyr-diethyl, CAS: 135590-91-9**

Species	: Rat
Application Route	: Oral
Exposure time	: 124 Weeks
NOAEL	: 5.000 ppm
Method	: OECD Test Guideline 453
Remarks	: Based on available data, the classification criteria are not met.
	Source: ECHA

#### **Reproductive toxicity**

Not classified based on available information.

### Components:

#### **Mefenpyr-diethyl, CAS: 135590-91-9**

Effects on foetal development	: Test Type: Two-generation study
	Species: Rat
	Application Route: Oral
	Dose: 5000 ppm
	Duration of Single Treatment: 70 d
	Method: OECD Test Guideline 416

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## ALTIVATE

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	07.06.2022	107134	Date of first issue: 07.06.2022
		Region: AT	Print Date: 15.08.2022
		Language: EN	

Remarks: Based on available data, the classification criteria are not met.  
Source: ECHA

### STOT - single exposure

Not classified based on available information.

### STOT - repeated exposure

Not classified based on available information.

### Repeated dose toxicity

#### Components:

#### Mefenpyr-diethyl, CAS: 135590-91-9

Species	: Rat
NOAEL	: 500 mg/kg bw/day
Application Route	: Oral
Exposure time	: 13 Weeks
Method	: OECD Test Guideline 408
Assessment	: Based on available data, the classification criteria are not met.
Remarks	: Source: ECHA

Species	: Rat
NOAEL	: 300
Application Route	: Dermal
Exposure time	: 29 d
Method	: OECD Test Guideline 410
Assessment	: Based on available data, the classification criteria are not met.
Remarks	: Source: ECHA

### Aspiration toxicity

Not classified based on available information.

## 11.2 Information on other hazards

### Endocrine disrupting properties

#### Product:

Assessment : The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

## SECTION 12: Ecological information

### 12.1 Toxicity

#### Product:

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## ALTIVATE

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	07.06.2022	107134	Date of first issue: 07.06.2022
		Region: AT	Print Date: 15.08.2022
		Language: EN	

---

Toxicity to algae/aquatic plants : ErC50 (Pseudokirchneriella subcapitata): 1,14 mg/l  
Exposure time: 72 h  
Method: OECD Test Guideline 201

ErC50 (Navicula pelliculosa (Freshwater diatom)): 1,92 mg/l  
Exposure time: 72 h  
Method: OECD Test Guideline 201

NOEC (Lemna gibba (gibbous duckweed)): 0,02 mg/l  
Exposure time: 7 d  
Method: OECD Test Guideline 221

### Components:

#### **Mefenpyr-diethyl, CAS: 135590-91-9**

Toxicity to fish : LC50 (Cyprinus carpio (Carp)): 2,4 mg/l  
Exposure time: 96 h  
Method: OECD Test Guideline 203  
Remarks: Source: ECHA

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 5,9 mg/l  
Exposure time: 48 h  
Method: OECD Test Guideline 202  
Remarks: Source: ECHA

Toxicity to algae/aquatic plants : EC50 (Pseudokirchneriella subcapitata): 10,71 mg/l  
Exposure time: 96 h  
Method: OECD Test Guideline 201  
Remarks: Source: ECHA

Toxicity to microorganisms : EC50 : > 1.000 mg/l  
Exposure time: 3 h  
Method: OECD Test Guideline 209  
Remarks: Source: ECHA

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC: 1,8 mg/l  
Exposure time: 21 d  
Species: Daphnia magna (Water flea)  
Method: OECD Test Guideline 211  
Remarks: Source: ECHA

#### **methyl 2-[(4,6-dimethoxypyrimidin-2-yl)carbamoyl]sulfamoyl]- $\alpha$ -(methanesulfonamido)-p-toluate, CAS: 208465-21-8**

M-Factor (Acute aquatic toxicity) : 100

M-Factor (Chronic aquatic toxicity) : 100

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## ALTIVATE

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	07.06.2022	107134	Date of first issue: 07.06.2022
		Region: AT	Print Date: 15.08.2022
		Language: EN	

---

### **sodium carbonate, CAS: 497-19-8, EINECS: 207-838-8**

Toxicity to fish : LC50 (Lepomis macrochirus (Bluegill sunfish)): 300 mg/l  
Exposure time: 96 h  
Remarks: Source: ECHA

Toxicity to daphnia and other aquatic invertebrates : EC50 (Ceriodaphnia (water flea)): 200 - 227 mg/l  
Exposure time: 48 h  
Remarks: Source: ECHA

### 12.2 Persistence and degradability

#### Components:

#### **Mefenpyr-diethyl, CAS: 135590-91-9**

Biodegradability : Result: Not readily biodegradable.  
Biodegradation: 84 %  
Related to: aerobic  
Exposure time: 17 d  
Method: OECD Test Guideline 301B  
Remarks: Source: ECHA

### 12.3 Bioaccumulative potential

#### Components:

#### **Mefenpyr-diethyl, CAS: 135590-91-9**

Partition coefficient: n-octanol/water : log Pow: 3,83 (21 °C)  
Method: OECD Test Guideline 107  
Remarks: Source: ECHA

### 12.4 Mobility in soil

No data available

### 12.5 Results of PBT and vPvB assessment

#### Product:

Assessment : This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

### 12.6 Endocrine disrupting properties

#### Product:

Assessment : The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## ALTIVATE

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	07.06.2022	107134	Date of first issue: 07.06.2022
		Region: AT	Print Date: 15.08.2022
		Language: EN	

### 12.7 Other adverse effects

**Product:**

Environmental fate and pathways : Product is not allowed to discharge into aquatic environment, drains or sewage treatment plants.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

Product : In accordance with local and national regulations.  
Waste codes should be assigned by the user, preferably in discussion with the waste disposal authorities.

Avoid discharge to drain or surface water.

Contaminated packaging : Packaging that is not properly emptied must be disposed of as the unused product.

## SECTION 14: Transport information

### 14.1 UN number or ID number

ADN	: UN 3077
ADR	: UN 3077
RID	: UN 3077
IMDG	: UN 3077
IATA	: UN 3077

### 14.2 UN proper shipping name

ADN	: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Mesosulfuron-methyl, Mefenpyr-diethyl)
ADR	: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Mesosulfuron-methyl, Mefenpyr-diethyl)
RID	: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Mesosulfuron-methyl, Mefenpyr-diethyl)
IMDG	: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Mesosulfuron-methyl, Mefenpyr-diethyl)
IATA	: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID,

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## ALTIVATE

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	07.06.2022	107134	Date of first issue: 07.06.2022
		Region: AT	Print Date: 15.08.2022
		Language: EN	

N.O.S.  
(Mesosulfuron-methyl, Mefenpyr-diethyl)

### 14.3 Transport hazard class(es)

<b>ADN</b>	:	9
<b>ADR</b>	:	9
<b>RID</b>	:	9
<b>IMDG</b>	:	9
<b>IATA</b>	:	9

### 14.4 Packing group

<b>ADN</b>		
Packing group	:	III
Classification Code	:	M7
Hazard Identification Number	:	90
Labels	:	9
<b>ADR</b>		
Packing group	:	III
Classification Code	:	M7
Hazard Identification Number	:	90
Labels	:	9
Tunnel restriction code	:	(-)
<b>RID</b>		
Packing group	:	III
Classification Code	:	M7
Hazard Identification Number	:	90
Labels	:	9
<b>IMDG</b>		
Packing group	:	III
Labels	:	9
EmS Code	:	F-A, S-F
<b>IATA (Cargo)</b>		
Packing instruction (cargo aircraft)	:	956
Packing instruction (LQ)	:	Y956
Packing group	:	III
Labels	:	Miscellaneous Dangerous Goods
<b>IATA (Passenger)</b>		
Packing instruction (passenger aircraft)	:	956
Packing instruction (LQ)	:	Y956
Packing group	:	III
Labels	:	Miscellaneous Dangerous Goods

### 14.5 Environmental hazards



# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## ALTIVATE

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	07.06.2022	107134	Date of first issue: 07.06.2022
		Region: AT	Print Date: 15.08.2022
		Language: EN	

### ADN

Environmentally hazardous : yes

### ADR

Environmentally hazardous : yes

### RID

Environmentally hazardous : yes

### IMDG

Marine pollutant : yes

### IATA (Passenger)

Environmentally hazardous : yes

### IATA (Cargo)

Environmentally hazardous : yes

#### 14.6 Special precautions for user

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

#### 14.7 Maritime transport in bulk according to IMO instruments

Not applicable for product as supplied.

## SECTION 15: Regulatory information

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

REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII) : Not applicable

REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59). : Not listed

Regulation (EC) No 1005/2009 on substances that deplete the ozone layer : Not listed

Regulation (EU) 2019/1021 on persistent organic pollutants (recast) : Not listed

Regulation (EC) No 649/2012 of the European Parliament and the Council concerning the export and import of dangerous chemicals : Not applicable

REACH - List of substances subject to authorisation (Annex XIV) : Not listed

Fire Hazard Class : Not applicable

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## ALTIVATE

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	07.06.2022	107134	Date of first issue: 07.06.2022
		Region: AT	Print Date: 15.08.2022
		Language: EN	

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances. E1 ENVIRONMENTAL HAZARDS

Volatile organic compounds : Directive 2010/75/EU of 24 November 2010 on industrial emissions (integrated pollution prevention and control)  
Not applicable

**The components of this product are reported in the following inventories:**

TCSI : Not in compliance with the inventory

TSCA : Product contains substance(s) not listed on TSCA inventory.

AIIC : Not in compliance with the inventory

DSL : This product contains one or several components that are not on the Canadian DSL nor NDSL.

ENCS : Not in compliance with the inventory

ISHL : Not in compliance with the inventory

KECI : Not in compliance with the inventory

PICCS : Not in compliance with the inventory

IECSC : Not in compliance with the inventory

NZIoC : Not in compliance with the inventory

TECI : Not in compliance with the inventory

Regulation (EC) Nr. 1107/2009 concerning the placing of plant protection products on the market  
Regulation (EC) Nr. 1107/2009 concerning the placing of plant protection products on the market

Safety data sheet available for professional user on request.

SP 1 Do not allow the means and/or their containers to enter water. (Do not clean application equipment in the immediate vicinity of surface waters / prevent indirect input via yard and road drains.)

SPe 4 For the protection of aquatic organisms/non-target plants, do not apply to sealed surfaces such as asphalt, concrete, cobblestones (track systems) or in other cases that pose a high risk of run-off.

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## ALTIVATE

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	07.06.2022	107134	Date of first issue: 07.06.2022
		Region: AT	Print Date: 15.08.2022
		Language: EN	

### 15.2 Chemical safety assessment

A chemical safety assessment has not been carried out for this mixture.

## SECTION 16: Other information

### Sources of key data used to compile the Safety Data Sheet

Regulation (EC) No 1907/2006 (REACH), 1272/2008 (CLP) as amended in each case. EC Directives 2000/39/EC, 2006/15/EC, 2009/161/EU

EC Directives 2000/39/EC, 2006/15/EC, 2009/161/EU

National Threshold Limit Values of the corresponding countries as amended in each case.

Transport regulations according to ADR, RID, IMDG, IATA as amended in each case.

The data sources used to determine physical, toxic and ecotoxic data, are indicated directly in the corresponding chapter.

### Full text of H-Statements

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.
H411	:	Toxic to aquatic life with long lasting effects.

### Full text of other abbreviations

Aquatic Acute	:	Short-term (acute) aquatic hazard
Aquatic Chronic	:	Long-term (chronic) aquatic hazard
Eye Irrit.	:	Eye irritation
Skin Irrit.	:	Skin irritation
2004/37/EC	:	Europe. Directive 2004/37/EC on the protection of workers from the risks related to exposure to carcinogens or mutagens at work
AT OEL	:	Austria. Limit values regulation - Annex I: Substance list
2004/37/EC / TWA	:	Long term exposure limit
AT OEL / MAK-TMW	:	Time Weighted Average

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - Agreement concerning the International Carriage of Dangerous Goods by Road; AIIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test popula-

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## ALTIVATE

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	07.06.2022	107134	Date of first issue: 07.06.2022
		Region: AT	Print Date: 15.08.2022
		Language: EN	

tion; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - Substance of Very High Concern; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

### Further information

Other information : Safety data sheet according to regulation (EC) No. 2020/878

### Classification of the mixture:

Aquatic Acute 1	H400
Aquatic Chronic 1	H410

### Classification procedure:

Calculation method
Calculation method

Authors responsible for the compilation of the material safety data sheet: UMCO GmbH - D-21107 Hamburg, Georg-Wilhelm-Strasse 187, Tel.: +49(40)555 546 300, Fax: +49(40)555 546 357, e-mail: [umco@umco.de](mailto:umco@umco.de). This information is based on our present knowledge and experience.

The safety data sheet describes products with a view to safety requirements.

It does not however, constitute a guarantee for any specific product properties and shall not establish a legally valid contractual relationship.

AT / EN