



SAFETY DATA SHEET

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

Edaptis

Revision date 13-Jan-2026

Version 2 Supersedes Date: 29-Sep-2025

Product Code(s)

HRB05523-44

Print Date 13-Jan-2026

ADM.06001.H.2.G

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

1.1. Product identifier

Edaptis

Other means of identification

Pure substance/mixture Mixture

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

Recommended use Herbicide; Professional use
Uses advised against No information available

1.3. Details of the supplier of the safety data sheet

Supplier

ADAMA Agricultural Solutions UK Ltd
Third Floor East
1410 Arlington Business Park
Theale
READING
RG7 4SA
Tel: 01635 860555
Fax: 01635 861555

For further information, please contact

E-mail address ukenquiries@adama.com

1.4. Emergency telephone number

Emergency Telephone

Republic of Ireland: National Poisons Information Centre, Beaumont Hospital:
Tel: 01 809 2166 or 01 837 9964 (8am - 10pm 7 days a week) or
the UK National Chemical Emergency Centre on
Tel: +44 (0)1865 407333 (24 hours, 7 days a week)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Carcinogenicity	Category 2 - (H351)
Reproductive toxicity	Category 2 - (H361)

Acute aquatic toxicity	Category 1 - (H400)
Chronic aquatic toxicity	Category 1 - (H410)
PMT or vPvM properties	vPvM - (EUH451)

2.2. Label elements

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

Contains Pinoxaden, 2-tert-butyl-4-methoxyphenol, Mefenpyr diethyl

Hazard pictograms



Signal word

Danger

Hazard statements

H351 - Suspected of causing cancer
H361 - Suspected of damaging fertility or the unborn child
H410 - Very toxic to aquatic life with long lasting effects
EUH451 - Can cause very long-lasting and diffuse contamination of water resources

Precautionary Statements

P102 - Keep out of reach of children
P201 - Obtain special instructions before use
P280 - Wear protective gloves/protective clothing/eye protection/face protection
P501 - Dispose of contents/ container to an approved waste disposal plant

EU Specific Hazard Statements

EUH401 - To avoid risks to human health and the environment, comply with the instructions for use
EUH208 - Contains (pinoxaden). May produce an allergic reaction

Additional phrases for PPP

SP1 - Do not contaminate water with the product or its container (Do not clean application equipment near surface water/Avoid contamination via drains from farmyards and roads).

2.3. Other hazards

PBT & vPvB

The product does not contain any substance(s) classified as PBT or vPvB.

Endocrine Disruptor Information

None known.

Persistent Organic Pollutants

Not applicable.

SECTION 3: Composition/information on ingredients

3.1 Substances

Not applicable

3.2 Mixtures

Chemical name	CAS No.	EC No	Index No	Weight-%	Classification according to	Specific concentration	M-Factor	REACH Registration
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					Regulation (EC) No. 1272/2008 [CLP]	limit (SCL)		Number
Pinoxaden	243973-20-8	-	607-726-00-2	5 - 8	Repr. 2 (H361d) Acute Tox. 4 (H302) Acute Tox. 4 (H332) Eye Irrit. 2 (H319) Skin Sens. 1A (H317) STOT SE 3 (H335) Aquatic Acute 1 (H400) Aquatic Chronic 3 (H412)		M=1 ATE (inhalation) = 4.63 mg/L (dusts/mists) ATE (oral) = 500 mg/kg	No data available
2-tert-butyl-4-methoxy phenol	121-00-6	204-442-7		5 - 8	Skin Irrit.2 (H315) Eye Irrit.2 (H319) Carc.2 (H351) Repr.2 (H361) Aquatic Chronic 2(H411)			01-211995068 6-26-0000
Mefenpyr diethyl	135590-91-9	603-923-2		1 - 4	Aquatic Chronic 2 (H411) vPvM (EUH451)			01-211948014 6-39-0003
Mesosulfuron-methyl	208465-21-8	-	607-729-00-9	1 - 4	Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)		M=100 M= 100	No data available

Acute toxicity estimates (ATEs) according to Part 3 of Annex VI to Regulation (EC) No 1272/2008 are indicated in this table, if available

Full text of H- and EUH-phrases: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

General advice

In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). First aider: Pay attention to self-protection.

Inhalation

Remove to fresh air. If breathing is irregular or stopped, administer artificial respiration. Call a doctor.

Eye contact

Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Keep eye wide open while rinsing. If symptoms persist, call a doctor.

Skin contact

Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Consult a doctor if necessary.

Ingestion Rinse mouth. Drink plenty of water. If symptoms persist, call a doctor.

Self-protection of the first aider Use personal protective equipment as required.

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

Symptoms None known.

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

Note to doctors Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable Extinguishing Media Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media Do not scatter spilled material with high pressure water streams.

5.2. Special hazards arising from the substance or mixture

Specific hazards arising from the chemical No information available.

5.3. Advice for firefighters

Special protective equipment for fire-fighters Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protective equipment.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Ensure adequate ventilation.

Other information Refer to protective measures listed in Sections 7 and 8.

For emergency responders Use personal protection recommended in Section 8.

6.2. Environmental precautions

Environmental precautions See Section 12 for additional Ecological Information.

6.3. Methods and material for containment and cleaning up

Methods for containment Prevent further leakage or spillage if safe to do so.

Methods for cleaning up Take up mechanically, placing in appropriate containers for disposal.

Prevention of secondary hazards Clean contaminated objects and areas thoroughly observing environmental regulations.

6.4. Reference to other sections

Reference to other sections See section 8 for more information. See section 13 for more information.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product. Remove contaminated clothing and shoes.

General hygiene considerations Do not eat, drink or smoke when using this product. Wash hands before breaks and immediately after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Storage Conditions Store locked up. The product should not be stored at temperatures above 40 ° C.

7.3. Specific end use(s)

Risk Management Methods (RMM) The information required is contained in this Safety Data Sheet.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure Limits This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies

Derived No Effect Level (DNEL) No information available.

Predicted No Effect Concentration (PNEC) No information available.

8.2. Exposure controls

Engineering controls Ensure adequate ventilation, especially in confined areas.

Personal protective equipment

Eye/face protection Tight sealing safety goggles.

Hand protection

Suitable chemical resistant gloves (EN 374) also with prolonged, direct contact (recommendation: protection index 6, corresponding > 480 minutes Permeability time (permeation) according to EN 374): e.g. nitrile rubber (0.4 mm), chloroprene rubber (0.5 mm), butyl rubber (0.7 mm).

Skin and body protection

Use suitable protective clothing and equipment if required, such as safety goggles certified to EN 166, gloves certified to EN 374, protective boots certified to EN 13832, and/or a water repellent woven coverall with 65% polyester and 35 % cotton.

Respiratory protection

In case of insufficient ventilation, wear suitable respiratory equipment.

General hygiene considerations

Do not eat, drink or smoke when using this product. Wash hands before breaks and immediately after handling the product.

Environmental exposure controls

Local authorities should be advised if significant spillages cannot be contained.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

<u>Property</u>	<u>Values</u>	<u>Method</u>	<u>Remarks</u>
Appearance			
Physical state	: Liquid		
Colour	: Off-white		
Odour	: No information available		
Odour threshold	: No data available		
pH	: 4.7 - 5.7	CIPAC MT 75.3	1 %
Melting point / freezing point °C	: No data available		
Boiling point / boiling range °C	: No data available		
Flash point °C	: > 95	EEC A.9	
Evaporation rate	: No data available		
Flammability (solid, gas)	: Not applicable		
Upper/lower flammability or explosive limits	: No data available		
Vapour pressure kPa	: No data available		
Vapour density	: No data available		
Relative density	: 0.9 - 1.1	EEC A.3	
Solubility(ies) mg/l	: No data available		
Partition coefficient Log Pow	:		See Section 12 for additional Ecological Information
Autoignition temperature °C	: 416	EEC A.15	
Hyphen °C	: No data available		
Kinematic viscosity mm ² /s 40 °C	: 149.5	OECD 114	
Surface tension	: No data available		
Particle Size	: Not applicable		

9.2. Other information

Bulk density g/ml : Not applicable

9.2.1. Information with regards to physical hazard classes

Explosive properties : Not an explosive

Oxidising properties : Not oxidizing

9.2.2. Other safety characteristics

No information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity No information available.

10.2. Chemical stability

Stability Stable under normal conditions.

Explosion data

Sensitivity to mechanical impact None.

Sensitivity to static discharge None.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions None under normal processing.

10.4. Conditions to avoid

Conditions to avoid None known based on information supplied.

10.5. Incompatible materials

Incompatible materials None known based on information supplied.

10.6. Hazardous decomposition products

Hazardous decomposition products None known based on information supplied.

SECTION 11: Toxicological information

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

Numerical measures of toxicity

	<u>Values</u>	<u>Species</u>	<u>Method</u>	<u>Remarks</u>
Oral LD50 mg/kg	: > 2000	Rat	OECD 423	Maximum attainable concentration
Dermal LD50 mg/kg	: > 2000	Rat	OECD 402	
Inhalation LC50 mg/L	: 3.92	Rat	OECD 403	
Skin corrosion/irritation	: Non-irritating to the skin	Rabbit	OECD 404	
Serious eye damage/eye irritation	: Not irritating to eyes	Rabbit	OECD 405	
Sensitisation	: Not a skin sensitiser	Mouse	OECD 429	

Chronic toxicity

Germ cell mutagenicity

Chemical name

Pinoxaden : Not classified
Mefenpyr diethyl : Not classified
Mesosulfuron-methyl : Not classified

Carcinogenicity

Chemical name

Pinoxaden : Not Carcinogenic
2-tert-butyl-4-methoxyphenol : H351 - Suspected of causing cancer
Mefenpyr diethyl : Not Carcinogenic
Mesosulfuron-methyl : Not Carcinogenic

Reproductive toxicity

Chemical name

Pinoxaden : H361d - Suspected of damaging the unborn child
2-tert-butyl-4-methoxyphenol : H361 - Suspected of damaging fertility or the unborn child
Mefenpyr diethyl : Not toxic for the reproductive system
Mesosulfuron-methyl : Not toxic for the reproductive system

STOT - Single Exposure

Chemical name

Pinoxaden : H335 - May cause respiratory irritation
Mefenpyr diethyl : No data available
Mesosulfuron-methyl : Not classified

STOT - Repeated Exposure**Chemical name**

Pinoxaden	: Not classified
Mefenpyr diethyl	: No data available
Mesosulfuron-methyl	: Not classified

Aspiration hazard**Chemical name**

Pinoxaden	: No data available
Mefenpyr diethyl	: No data available
Mesosulfuron-methyl	: No data available

11.2. Information on other hazards**11.2.1. Endocrine disrupting properties**

Endocrine disrupting properties No information available.

11.2.2. Other information

Other adverse effects No information available.

SECTION 12: Ecological information**12.1. Toxicity**

<u>Acute toxicity</u>	<u>Values</u>	<u>Species</u>	<u>Method</u>	<u>Remarks</u>
Fish 96-hour LC50 mg/L	: ----	Oncorhynchus mykiss		No data available
Crustacea 48-hour EC50 mg/L	: 79.5	Daphnia magna	OECD 202	
Algae 72-hour EC50 mg/L	: 54.2	P. subcapitata	OECD 201	
Other plants EC50 mg/l	: 0.074	Lemna	OECD 221	

<u>Chronic aquatic toxicity</u>	<u>Values</u>	<u>Species</u>	<u>Method</u>	<u>Remarks</u>
Fish NOEC mg/l	: No data available			
Crustacea NOEC mg/l	: No data available			
Algae NOEC mg/l	: 4.58	P.subcapitata	OECD 201	
Other plants NOEC mg/l	: 0.0147	Lemna	OECD 221	

Terrestrial Toxicity**Birds Oral LD50 mg/kg****Chemical name**

Pinoxaden	: >2250	Bobwhite quail	EPA-OPPTS 850.2100
Mefenpyr diethyl	: > 2000	Japanese quail	
Mesosulfuron-methyl	: > 2000	Bobwhite quail	EPA E 71-1

Bees Oral LD50 µg/bee**Chemical name**

Pinoxaden	: > 200	Apis mellifera	OECD 213
Mefenpyr diethyl	: > 900		
Mesosulfuron-methyl	: >105.6	Apis mellifera	OECD 213, 214

12.2. Persistence and degradability**Abiotic Degradation****Water DT50 days****Chemical name**

Pinoxaden	: 14.9d	OECD 111	pH 7, 20 ° C
Mefenpyr diethyl	: ----		No data available

Mesosulfuron-methyl : 43

Soil DT50 days**Chemical name**

Pinoxaden : < 1d - 2.3d
 Mefenpyr diethyl : < 10
 Mesosulfuron-methyl : 7.6d - 140d

20° C

Biodegradation**Chemical name**

Pinoxaden : Not readily biodegradable
 Mefenpyr diethyl : No data available
 Mesosulfuron-methyl : Not readily biodegradable

12.3. Bioaccumulative potential**Partition Coefficient****(n-octanol/water) Log Pow****Chemical name**

	<u>Values</u>	<u>Method</u>	<u>Remarks</u>
Pinoxaden	: 3.2	EEC A.10	
Mefenpyr diethyl	: 3.83	OECD 107	
Mesosulfuron-methyl	: -0.48	OECD 107	

Bioconcentration factor (BCF)**Chemical name**

Pinoxaden	: ----	No data available
Mefenpyr diethyl	: ----	No data available
Mesosulfuron-methyl	: ----	No data available

12.4. Mobility in soil**Adsorption/Desorption****Chemical name**

	<u>Values</u>	<u>Method</u>	<u>Remarks</u>
Pinoxaden	: ----		No data available
Mefenpyr diethyl	: ----		No data available
Mesosulfuron-methyl	: ----		No data available

Results of mobility assessment This product fulfills the criteria for classification as vPvM

12.5. Results of PBT and vPvB assessment

The components in this formulation do not meet the criteria for classification as PBT or vPvB

12.6. Endocrine disrupting properties

Endocrine disrupting properties No information available.

12.7. Other adverse effects

No information available.

SECTION 13: Disposal considerations**13.1. Waste treatment methods****Waste from residues/unused products**

Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

Contaminated packaging

Improper disposal or reuse of this container may be dangerous and illegal.

Other information

Waste codes should be assigned by the user based on the application for which the product was used.

SECTION 14: Transport information**ADR**

14.1 UN number or ID number	UN3082
14.2 UN proper shipping name	Environmentally hazardous substances, liquid, n.o.s. (Mesosulfuron-methyl, Pinoxaden)
14.3 Transport hazard class(es)	9
14.4 Packing group	III
Description	UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Mesosulfuron-methyl, Pinoxaden), 9, III, (-)
14.5 Environmental hazards	Yes
14.6 Special Precautions for Users	
Special Provisions	274, 335, 601, 375
Classification code	M6
Tunnel restriction code	(-)

RID

14.1 UN number or ID number	UN3082
14.2 UN proper shipping name	Environmentally hazardous substances, liquid, n.o.s. (Mesosulfuron-methyl, Pinoxaden)
14.3 Transport hazard class(es)	9
14.4 Packing group	III
Description	UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Mesosulfuron-methyl, Pinoxaden), 9, III
Environmental hazards	Yes
Special Precautions for Users	
14.5 Environmental hazards	Yes
14.6 Special Precautions for Users	
Special Provisions	274, 335, 375, 601
Classification code	M6

IMDG

14.1 UN number or ID number	UN3082
14.2 UN proper shipping name	Environmentally hazardous substances, liquid, n.o.s. (Mesosulfuron-methyl, Pinoxaden)
14.3 Transport hazard class(es)	9
14.4 Packing group	III
Description	UN3082, Environmentally hazardous substances, liquid, n.o.s. (Mesosulfuron-methyl, Pinoxaden), 9, III, Marine pollutant
14.5 Environmental hazards	Yes
14.6 Special Precautions for Users	
14.5 Marine pollutant	P
Environmental hazards	Yes
14.6 Special Precautions for Users	
Special Provisions	274, 335, 969
EmS-No	F-A, S-F
IMDG Stowage and segregation	Category A No information available
14.7 Maritime transport in bulk according to IMO instruments	No information available

IATA

14.1 UN number or ID number	UN3082
14.2 UN proper shipping name	Environmentally hazardous substances, liquid, n.o.s. (Mesosulfuron-methyl, Pinoxaden)
14.3 Transport hazard class(es)	9
14.4 Packing group	III
Description	UN3082, Environmentally hazardous substances, liquid, n.o.s. (Mesosulfuron-methyl, Pinoxaden), 9, III
14.5 Environmental hazards	Yes
14.6 Special Precautions for Users	
Special Provisions	A97, A158, A197
ERG Code	9L



* Note: UN3077 & UN3082 – These products may be transported as non-dangerous goods under the special provisions of IMDG Code 2.10.2.7; ADR SP375 and ICAO/IATA A197 when packed in single or inner packaging of up to 5L for liquids or 5 kg or less for solids

SECTION 15: Regulatory information

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

Trade name / designation	Registration Number(s)	Date
Not Applicable	Not Applicable	Not Applicable

European Union

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

Authorisations and/or restrictions on use:

This product does not contain substances subject to authorisation (Regulation (EC) No. 1907/2006 (REACH), Annex XIV) This product does not contain substances subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII)

Persistent Organic Pollutants

Not applicable

15.2. Chemical safety assessment

Chemical Safety Report A risk assessment was performed according to directive (EC) No. 91/414 or according to regulation (EC) No. 1107/2009

SECTION 16: Other information

Key or legend to abbreviations and acronyms used in the safety data sheet

Full text of H-Statements referred to under section 3

H302 - Harmful if swallowed
 H315 - Causes skin irritation
 H317 - May cause an allergic skin reaction
 H319 - Causes serious eye irritation
 H332 - Harmful if inhaled
 H335 - May cause respiratory irritation
 H351 - Suspected of causing cancer
 H361 - Suspected of damaging fertility or the unborn child
 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

Legend

SVHC: Substances of Very High Concern for Authorisation:

Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

TWA	TWA (time-weighted average)	STEL	STEL (Short Term Exposure Limit)
Ceiling	Maximum limit value	*	Skin designation

Revision date 13-Jan-2026

Reason for revision Classification according to Regulation (EC) No. 1272/2008 [CLP]

Further information This material safety data sheet complies with the provisions of Regulation (EC) No 1907/2006, as amended by Regulation (EU) 2020/878.

Abbreviations and acronyms

ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road
 ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
 CAS Number - Chemical Abstracts Service number
 EC Number - EINECS and ELINCS Number
 EINECS - European Inventory of Existing Commercial Substances
 ELINCS - European List of notified Chemical Substances
 IATA - International Air Transport Association
 ICAO-TI - Technical Instructions for the Safe Transport of Dangerous Goods by Air
 IMDG - International Maritime Dangerous Goods
 LC50 - Lethal Concentration to 50 % of a test population
 LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose)
 OECD - Organization for Economic Co-operation and Development
 PBT - Persistent, Bioaccumulative and Toxic substance
 RID - Regulations concerning the International Carriage of Dangerous Goods by Rail
 STOT - Specific Target Organ Toxicity
 vPvB - Very Persistent and Very Bioaccumulative

Classification according to Regulation (EC) No. 1272/2008 [CLP]**Classification of the mixture**

H351 - Suspected of causing cancer
 H361 - Suspected of damaging fertility or the unborn child
 H400 - Very toxic to aquatic life
 H410 - Very toxic to aquatic life with long lasting effects
 EUH451 - Can cause very long-lasting and diffuse contamination of water resources

Classification procedure

Classification based on Calculation method
 Classification based on Calculation method
 Classification based on test data
 Classification based on test data
 Classification based on Calculation method

This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet