

Version 8.1 Revision Date 26.08.2022 Print Date 05.07.2023 Date of first issue 26.08.2022

SDS No. US Pharmacopeia - 1262801 Product Number US Pharmacopeia - 1262801

Ethopabate

SEC1 1.1	FION 1: Identification Product identifiers	of t	he substance/mixture and of the company/undertaking
	Product name	:	Ethopabate
	Product Number Brand CAS-No.		1262801 US Pharmacopeia 59-06-3
L.2	Details of the supplie	er of	the safety data sheet
	Company	:	Sigma-Aldrich (Shanghai) Trading Co.Ltd. 509 Renqing Road Zhangjiang High Tech East Park, Pudong SHANGHAI 201201 SHANGHAI CHINA
			西格玛奥德里奇(上海)贸易有限公司 上海市浦东新区仁庆路 509 号 10 幢 邮政编码:201201
			Merck KGaA 64271 Darmstadt Germany Phone:+49 6151 72-0
	Telephone Fax	:	+86 21 6141-5566 +86 21 6141-5567
L.3	Emergency telephon	е	
	Emergency Phone #	:	+86 532 83889090
L.4	Relevant identified u	ses	of the substance or mixture and uses advised against
	Identified uses	:	For R&D use only. Not for pharmaceutical, household or other uses.

Summary of emergency

powder white Harmful if swallowed., Causes serious eye irritation. Show this material

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safety data sheet to the doctor in attendance. After inhalation: fresh air. In case of skin contact: Take off immediately all contaminated clothing. Rinse skin with water/ shower. After eye contact: rinse out with plenty of water., Call in ophthalmologist., Remove contact lenses. After swallowing: immediately make victim drink water (two glasses at most)., Consult a physician. Combustible. Development of hazardous combustion gases or vapours possible in the event of fire.

2.1 GHS Classification

Acute toxicity, Oral (Category 4), H302 Serious eye damage/eye irritation (Category 2A), H319

For the full text of the H-Statements mentioned in this Section, see Section 16.

2.2 GHS Label elements, including precautionary statements

Pictogram

	\mathbf{V}
Signal Word	Warning
Hazard statement(s) H302 H319	Harmful if swallowed. Causes serious eye irritation.
Precautionary statement(s)	
Prevention P264 P270 P280	Wash skin thoroughly after handling. Do not eat, drink or smoke when using this product. Wear eye protection/ face protection.
Response P301 + P312 + P330	IF SWALLOWED: Call a POISON CENTER/ doctor if you feel
	unwell. Rinse mouth.
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.
Disposal P501	Dispose of contents/ container to an approved waste disposal plant.

2.3 Physical and chemical hazards

Referring to current information, no physical or chemical hazard.

2.4 Health hazards H302 Harmful if swallowed. H319 Causes serious eye irritation.

2.5 Environmental hazards Referring to current information, no environmental hazard.

2.6 Other hazards - none

SECTION 3: Composition/in	nformation on ingredients
Substance / Mixture	: Substance

3.1 Substances Formula : C12H15NO4

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Molecular weight	:	237.3 g/mol
CAS-No.	:	59-06-3
EC-No.	:	200-414-3

Hazardous ingredients

Component	Classification	Concentration
Ethopabate		
	Acute toxicity Category 4; <= 100 Serious eye damage/eye irritation Category 2A; H302, H319	

For the full text of the H-Statements mentioned in this Section, see Section 16.

SECTION 4: First aid measures

4.1 Description of first-aid measures

General advice

Show this material safety data sheet to the doctor in attendance.

If inhaled

After inhalation: fresh air.

In case of skin contact

In case of skin contact: Take off immediately all contaminated clothing. Rinse skin with water/ shower.

In case of eye contact

After eye contact: rinse out with plenty of water. Call in ophthalmologist. Remove contact lenses.

If swallowed

After swallowing: immediately make victim drink water (two glasses at most). Consult a physician.

4.2 Most important symptoms and effects, both acute and delayed The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

- **4.3 Indication of any immediate medical attention and special treatment needed** No data available
- **4.4** Notes to physician No data available

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media Water Foam Carbon dioxide (CO2) Dry powder

Unsuitable extinguishing media

For this substance/mixture no limitations of extinguishing agents are given.

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5.2 Special hazards arising from the substance or mixture

Carbon oxides Nitrogen oxides (NOx) Combustible. Development of hazardous combustion gases or vapours possible in the event of fire.

5.3 Advice for firefighters

In the event of fire, wear self-contained breathing apparatus. Suppress (knock down) gases/vapors/mists with a water spray jet. Prevent fire extinguishing water from contaminating surface water or the ground water system.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures 6.1 Advice for non-emergency personnel: Avoid inhalation of dusts. Avoid substance contact. Ensure adequate ventilation. Evacuate the danger area, observe emergency procedures, consult an expert. For personal protection see section 8.

6.2 **Environmental precautions** Do not let product enter drains.

6.3 Methods and materials for containment and cleaning up

Cover drains. Collect, bind, and pump off spills. Observe possible material restrictions (see sections 7 and 10). Take up dry. Dispose of properly. Clean up affected area. Avoid generation of dusts.

6.4 **Reference to other sections** For disposal see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling For precautions see section 2.2.

7.2 Conditions for safe storage, including any incompatibilities

Storage conditions Tightly closed. Dry.

Storage class

Storage class (TRGS 510): 11: Combustible Solids

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Ingredients with workplace control parameters Contains no substances with occupational exposure limit values.

8.2 Exposure controls

Appropriate engineering controls

Change contaminated clothing. Preventive skin protection recommended. Wash hands after working with substance.

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Personal protective equipment

Eye/face protection

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU). Safety glasses

Skin protection

This recommendation applies only to the product stated in the safety data sheet, supplied by us and for the designated use. When dissolving in or mixing with other substances and under conditions deviating from those stated in EN374 please contact the supplier of CE-approved gloves (e.g. KCL GmbH, D-36124 Eichenzell, Internet: www.kcl.de).

Full contact Material: Nitrile rubber Minimum layer thickness: 0.11 mm Break through time: 480 min Material tested:KCL 741 Dermatril® L

Splash contact Material: Nitrile rubber Minimum layer thickness: 0.11 mm Break through time: 480 min Material tested:KCL 741 Dermatril® L

Body Protection

protective clothing

Respiratory protection

required when dusts are generated. Our recommendations on filtering respiratory protection are based on the following standards: DIN EN 143, DIN 14387 and other accompanying standards relating to the used respiratory protection system.

Control of environmental exposure

Do not let product enter drains.

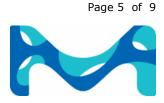
SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

a)	Physical state	powder
b)	Color	white
c)	Odor	No data available
d)	Melting point/freezing point	Melting point: 148.5 °C
e)	Initial boiling point and boiling range	No data available
f)	Flammability (solid, gas)	No data available
g)	Upper/lower flammability or explosive limits	No data available
h)	Flash point	No data available

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i)	Autoignition temperature	No data available
j)	Decomposition temperature	No data available
k)	рН	No data available
I)	Viscosity	Viscosity, kinematic: No data available Viscosity, dynamic: No data available
m)	Water solubility	No data available
n)	Partition coefficient: n-octanol/water	No data available
o)	Vapor pressure	No data available
p)	Density	No data available
	Relative density	No data available
q)	Relative vapor density	No data available
r)	Particle characteristics	No data available

- s) Explosive properties Not classified as explosive.
- t) Oxidizing properties none
- 9.2 Other safety information No data available

SECTION 10: Stability and reactivity

10.1 Chemical stability

The product is chemically stable under standard ambient conditions (room temperature) .

- **10.2 Possibility of hazardous reactions** No data available
- **10.3 Conditions to avoid** no information available
- **10.4 Incompatible materials** Strong oxidizing agents
- **10.5 Hazardous decomposition products** In the event of fire: see section 5

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Acute toxicity estimate Oral - Expert judgment - 500.1 mg/kg Inhalation: No data available Dermal: No data available

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Skin corrosion/irritation No data available

Serious eye damage/eye irritation Causes serious eye irritation.

Respiratory or skin sensitization No data available

Germ cell mutagenicity No data available

Carcinogenicity No data available

Reproductive toxicity No data available

Specific target organ toxicity - single exposure No data available

Specific target organ toxicity - repeated exposure No data available

Aspiration hazard No data available

11.2 Additional Information

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

SECTION 12: Ecological information

12.1 Toxicity

Toxicity to daphnia EC50 - Daphnia magna (Water flea) - 170 mg/l - 48 h and other aquatic Remarks: (ECOTOX Database) invertebrates

- **12.2 Persistence and degradability** No data available
- **12.3 Bioaccumulative potential** No data available
- **12.4 Mobility in soil** No data available
- 12.5 Results of PBT and vPvB assessment PBT/vPvB assessment not available as chemical safety assessment not required/not conducted
- **12.6 Endocrine disrupting properties** No data available

12.7 Other adverse effects

No data available

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SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product

Offer surplus and non-recyclable solutions to a licensed disposal company.

SECTION 14: Transport inform 14.1 UN number	nation			
ADR/RID: -	IMDG: -	IATA-DGR: -		
14.2 UN proper shipping name ADR/RID:Not dangerou IMDG:IMDG:Not dangerou IATA-DGR:	us goods us goods			
14.3 Transport hazard class(ADR/RID: -	imdg: -	IATA-DGR: -		
14.4 Packaging group ADR/RID: -	IMDG: -	IATA-DGR: -		
14.5 Environmental hazards ADR/RID: no	IMDG Marine pollutant: no	IATA-DGR: no		
14.6 Special precautions for u	Iser			
14.7 Incompatible materials Strong oxidizing agents				
Further information Not classified as dangerous	Further information Not classified as dangerous in the meaning of transport regulations.			
SECTION 15: Regulatory infor	mation			
15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture				
National regulatory info	National regulatory information			
Measures on the Enviro	nmental Administration of New	Chemical Substances		

Registration

Registration/Notification number

B1A222211086

Downstream users need to comply with the conditions of safe use of the chemical, understand the environmental and health hazard and risk management measures identified on the SDS as well as the local/national regulations concerning the chemical.

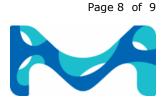
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Other regulations

Please pay attention on the waste treatment should also comply with local regulations requirement.

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SECTION 16: Other information

Full text of H-Statements referred to under sections 2 and 3.

H302	Harmful if swallowed.
11210	Conservation of the second sec

H319 Causes serious eye irritation.

Further information

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Sigma-Aldrich Corporation and its Affiliates shall not be held liable for any damage resulting from handling or from contact with the above product. See www.sigma-aldrich.com and/or the reverse side of invoice or packing slip for additional terms and conditions of sale.

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