

SAFETY DATA SHEET

Seahorse XF Mito Fuel Flex Test Kit, Part Number 103260-100

Section 1. Identification

1.1 Product identifier

Product name : Seahorse XF Mito Fuel Flex Test Kit, Part Number 103260-100
Part no. (chemical kit) : 103260-100
Part no. : Etomoxir Not available.
BPTES Not available.
UK5099 Not available.
Validation date : 11/25/2021

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

Material uses : For research use only. Not for use in diagnostic procedures (RUO).
Etomoxir 6 x 0.0379 mg
BPTES 6 x 17.083 mg
UK5099 6 x 17.360 mg

1.3 Details of the supplier of the safety data sheet

Supplier/Manufacturer : Agilent Technologies, Inc.
5301 Stevens Creek Blvd
Santa Clara, CA 95051, USA
800-227-9770

1.4 Emergency telephone number

In case of emergency : CHEMTREC®: 1-800-424-9300

Section 2. Hazards identification

2.1 Classification of the substance or mixture

OSHA/HCS status : Etomoxir This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200). While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.
BPTES While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.
UK5099 While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.

Classification of the substance or mixture

Etomoxir
H301 COMBUSTIBLE DUSTS
ACUTE TOXICITY (oral) - Category 3

2.2 GHS label elements

Section 2. Hazards identification

Hazard pictograms : Etomoxir



Signal word : Etomoxir

BPTES

UK5099

Danger

No signal word.

No signal word.

Hazard statements : Etomoxir

BPTES

UK5099

H301 - Toxic if swallowed.

May form combustible dust concentrations in air.

No known significant effects or critical hazards.

No known significant effects or critical hazards.

Precautionary statements

Prevention : Etomoxir

BPTES

UK5099

P270 - Do not eat, drink or smoke when using this product.

P264 - Wash thoroughly after handling.

Not applicable.

Not applicable.

Response : Etomoxir

BPTES

UK5099

P301 + P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor.

Not applicable.

Not applicable.

Storage : Etomoxir

BPTES

UK5099

Not applicable.

Not applicable.

Not applicable.

Disposal : Etomoxir

BPTES

UK5099

P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.

Not applicable.

Not applicable.

Supplemental label elements : Etomoxir

BPTES

UK5099

Keep container tightly closed. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Prevent dust accumulation.

None known.

None known.

2.3 Other hazards

Hazards not otherwise classified : Etomoxir

BPTES

UK5099

None known.

None known.

None known.

Section 3. Composition/information on ingredients

Substance/mixture : Etomoxir
BPTES
UK5099

Substance
Mixture
Mixture

Ingredient name	%	CAS number
Etomoxir (R)-(+)-2-[6-(4-Chlorophenoxy)hexyl]-oxirane-2-carboxylic acid sodium salt	100	828934-41-4
BPTES Sodium chloride	≤3	7647-14-5
UK5099 Sodium chloride	≤3	7647-14-5

Section 3. Composition/information on ingredients

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

Section 4. First aid measures

4.1 Description of necessary first aid measures

Eye contact	: Etomoxir	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention if irritation occurs.
	BPTES	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
	UK5099	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
Inhalation	: Etomoxir	Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
	BPTES	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
	UK5099	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
Skin contact	: Etomoxir	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Wash clothing before reuse. Clean shoes thoroughly before reuse.
	BPTES	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	UK5099	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.

Section 4. First aid measures

Ingestion	: Etomoxir	Get medical attention immediately. Call a poison center or physician. Wash out mouth with water. Remove dentures if any. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
	BPTES	Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
	UK5099	Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.

4.2 Most important symptoms/effects, acute and delayed

Potential acute health effects

Eye contact	: Etomoxir	Exposure to airborne concentrations above statutory or recommended exposure limits may cause irritation of the eyes.
	BPTES	No known significant effects or critical hazards.
	UK5099	No known significant effects or critical hazards.
Inhalation	: Etomoxir	Exposure to airborne concentrations above statutory or recommended exposure limits may cause irritation of the nose, throat and lungs.
	BPTES	No known significant effects or critical hazards.
	UK5099	No known significant effects or critical hazards.
Skin contact	: Etomoxir	No known significant effects or critical hazards.
	BPTES	No known significant effects or critical hazards.
	UK5099	No known significant effects or critical hazards.
Ingestion	: Etomoxir	Toxic if swallowed.
	BPTES	No known significant effects or critical hazards.
	UK5099	No known significant effects or critical hazards.

Over-exposure signs/symptoms

Eye contact	: Etomoxir	Adverse symptoms may include the following: irritation redness
	BPTES	No specific data.
	UK5099	No specific data.
Inhalation	: Etomoxir	Adverse symptoms may include the following: respiratory tract irritation coughing
	BPTES	No specific data.
	UK5099	No specific data.

Section 4. First aid measures

Skin contact	: Etomoxir	No specific data.
	BPTES	No specific data.
	UK5099	No specific data.
Ingestion	: Etomoxir	No specific data.
	BPTES	No specific data.
	UK5099	No specific data.

4.3 Indication of immediate medical attention and special treatment needed, if necessary

Notes to physician	: Etomoxir	In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
	BPTES	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	UK5099	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
Specific treatments	: Etomoxir	No specific treatment.
	BPTES	No specific treatment.
	UK5099	No specific treatment.
Protection of first-aiders	: Etomoxir	No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.
	BPTES	No action shall be taken involving any personal risk or without suitable training.
	UK5099	No action shall be taken involving any personal risk or without suitable training.

See toxicological information (Section 11)

Section 5. Fire-fighting measures

5.1 Extinguishing media

Suitable extinguishing media	: Etomoxir	Use dry chemical powder.
	BPTES	Use an extinguishing agent suitable for the surrounding fire.
	UK5099	Use an extinguishing agent suitable for the surrounding fire.
Unsuitable extinguishing media	: Etomoxir	Avoid high pressure media which could cause the formation of a potentially explosible dust-air mixture.
	BPTES	None known.
	UK5099	None known.

5.2 Special hazards arising from the substance or mixture

Specific hazards arising from the chemical	: Etomoxir	May form explosible dust-air mixture if dispersed.
	BPTES	No specific fire or explosion hazard.
	UK5099	No specific fire or explosion hazard.
Hazardous thermal decomposition products	: Etomoxir	Decomposition products may include the following materials: carbon dioxide carbon monoxide halogenated compounds carbonyl halides metal oxide/oxides
	BPTES	Decomposition products may include the following

Section 5. Fire-fighting measures

materials:
halogenated compounds
metal oxide/oxides
Decomposition products may include the following materials:
halogenated compounds
metal oxide/oxides

UK5099

5.3 Advice for firefighters

Special protective actions for fire-fighters : Etomoxir

Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.

BPTES

Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

UK5099

Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

Special protective equipment for fire-fighters : Etomoxir

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

BPTES

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

UK5099

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Section 6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel : Etomoxir

No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Do not breathe dust. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.


BPTES

No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment.

UK5099


No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not

Section 6. Accidental release measures

<p>For emergency responders : Etomoxir</p> <p style="padding-left: 100px;">BPTES</p> <p style="padding-left: 100px;">UK5099</p>	<p>touch or walk through spilled material. Put on appropriate personal protective equipment.</p> <p>If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".</p> <p>If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".</p> <p>If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".</p>
<p>6.2 Environmental precautions :  Etomoxir</p> <p style="padding-left: 100px;">BPTES</p> <p style="padding-left: 100px;">UK5099</p>	<p>Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).</p> <p>Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).</p> <p>Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).</p>
<p>6.3 Methods and materials for containment and cleaning up</p> <p>Methods for cleaning up : Etomoxir</p> <p style="padding-left: 100px;">BPTES</p> <p style="padding-left: 100px;">UK5099</p>	<p>Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Avoid dust generation. Do not dry sweep. Vacuum dust with equipment fitted with a HEPA filter and place in a closed, labeled waste container. Dispose of via a licensed waste disposal contractor.</p> <p>Move containers from spill area. Vacuum or sweep up material and place in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor.</p> <p>Move containers from spill area. Vacuum or sweep up material and place in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor.</p>

Section 7. Handling and storage

7.1 Precautions for safe handling

<p>Protective measures :  Etomoxir</p>	<p>Put on appropriate personal protective equipment (see Section 8). Do not get in eyes or on skin or clothing. Do not breathe dust. Do not ingest. Avoid the creation of dust when handling and avoid all possible sources of ignition (spark or flame). Prevent dust accumulation. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Keep in the original</p>
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Section 7. Handling and storage

container or an approved alternative made from a compatible material, kept tightly closed when not in use. Electrical equipment and lighting should be protected to appropriate standards to prevent dust coming into contact with hot surfaces, sparks or other ignition sources. Take precautionary measures against electrostatic discharges. To avoid fire or explosion, dissipate static electricity during transfer by grounding and bonding containers and equipment before transferring material. Empty containers retain product residue and can be hazardous. Do not reuse container. Put on appropriate personal protective equipment (see Section 8).

Put on appropriate personal protective equipment (see Section 8).

Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

Storage temperature: room temperature.

Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Eliminate all ignition sources. Separate from oxidizing materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers.

Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

Storage temperature: room temperature.

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed

BPTES
UK5099
Advice on general occupational hygiene : Etomoxir

BPTES
UK5099

7.2 Conditions for safe storage, including any incompatibilities : Etomoxir

BPTES

Section 7. Handling and storage

UK5099

until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use. Storage temperature: room temperature. Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

7.3 Specific end use(s)

Recommendations	: Etomoxir BPTES UK5099	Industrial applications, Professional applications. Industrial applications, Professional applications. Industrial applications, Professional applications.
Industrial sector specific solutions	: E tomoxir BPTES UK5099	Not available. Not available. Not available.

Section 8. Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limits

Ingredient name	Exposure limits
Etomoxir (R)-(+)-2-[6-(4-Chlorophenoxy)hexyl]-oxirane-2-carboxylic acid sodium salt	None.
BPTES Sodium chloride	None.
UK5099 Sodium chloride	None.

8.2 Exposure controls

Appropriate engineering controls	: Good general ventilation should be sufficient to control worker exposure to airborne contaminants.
Environmental exposure controls	: Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

Individual protection measures

Section 8. Exposure controls/personal protection

- Hygiene measures** : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.
- Eye/face protection** : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.
- Skin protection**
- Hand protection** : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.
- Body protection** : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Other skin protection** : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Respiratory protection** : Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

Section 9. Physical and chemical properties and safety characteristics

The conditions of measurement of all properties are at standard temperature and pressure unless otherwise indicated.

Appearance

Physical state	: Etomoxir BPTES UK5099	Solid. [Powder.] Solid. Solid.
Color	: Etomoxir BPTES UK5099	White. White. White.
Odor	: Etomoxir BPTES UK5099	Not available. Odorless. Odorless.
Odor threshold	: Etomoxir BPTES UK5099	Not available. Not available. Not available.
pH	: Etomoxir BPTES UK5099	Not available. Not available. Not available.
Melting point/freezing point	: Etomoxir BPTES UK5099	Not available. Not available. Not available.
Boiling point, initial boiling point, and boiling range	: Etomoxir BPTES UK5099	Not available. Not available. Not available.
Flash point	: <input checked="" type="checkbox"/> Etomoxir BPTES UK5099	Not applicable. Not applicable. Not applicable.

Section 9. Physical and chemical properties and safety characteristics

Evaporation rate	: Etomoxir BPTES UK5099	Not available. Not available. Not available.
Flammability	: Etomoxir BPTES UK5099	Not available. Not available. Not available.
Lower and upper explosion limit/flammability limit	: Etomoxir BPTES UK5099	Not applicable. Not applicable. Not applicable.
Vapor pressure	: Etomoxir BPTES UK5099	Not available. Not available. Not available.
Relative vapor density	: Etomoxir BPTES UK5099	Not applicable. Not applicable. Not applicable.
Relative density	: Etomoxir BPTES UK5099	Not available. Not available. Not available.
Solubility	: Etomoxir BPTES UK5099	Soluble in the following materials: cold water and hot water. Not available. Not available.
Partition coefficient: n-octanol/water	: Etomoxir BPTES UK5099	Not available. Not applicable. Not applicable.
Auto-ignition temperature	: Etomoxir BPTES UK5099	Not applicable. Not applicable. Not applicable.
Decomposition temperature	: Etomoxir BPTES UK5099	Not available. Not available. Not available.
Viscosity	: Etomoxir BPTES UK5099	Not applicable. Not applicable. Not applicable.
<u>Particle characteristics</u>		
Median particle size	: Etomoxir BPTES UK5099	Not available. Not available. Not available.

Section 10. Stability and reactivity

10.1 Reactivity	: Etomoxir BPTES UK5099	No specific test data related to reactivity available for this product or its ingredients. No specific test data related to reactivity available for this product or its ingredients. No specific test data related to reactivity available for this product or its ingredients.
10.2 Chemical stability	: Etomoxir BPTES UK5099	The product is stable. The product is stable. The product is stable.

Section 10. Stability and reactivity

10.3 Possibility of hazardous reactions	: Etomoxir	Under normal conditions of storage and use, hazardous reactions will not occur.
	BPTES	Under normal conditions of storage and use, hazardous reactions will not occur.
	UK5099	Under normal conditions of storage and use, hazardous reactions will not occur.
10.4 Conditions to avoid	: Etomoxir	Avoid the creation of dust when handling and avoid all possible sources of ignition (spark or flame). Take precautionary measures against electrostatic discharges. To avoid fire or explosion, dissipate static electricity during transfer by grounding and bonding containers and equipment before transferring material. Prevent dust accumulation.
	BPTES	No specific data.
	UK5099	No specific data.
10.5 Incompatible materials	: Etomoxir	Reactive or incompatible with the following materials: oxidizing materials
	BPTES	May react or be incompatible with oxidizing materials.
	UK5099	May react or be incompatible with oxidizing materials.
10.6 Hazardous decomposition products	: Etomoxir	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
	BPTES	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
	UK5099	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11. Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
BPTES Sodium chloride	LD50 Oral	Rat	3000 mg/kg	-
UK5099 Sodium chloride	LD50 Oral	Rat	3000 mg/kg	-

Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
BPTES Sodium chloride	Eyes - Moderate irritant	Rabbit	-	24 hours 100 mg	-
	Eyes - Moderate irritant	Rabbit	-	10 mg	-
	Skin - Mild irritant	Rabbit	-	24 hours 500 mg	-
UK5099 Sodium chloride	Eyes - Moderate irritant	Rabbit	-	24 hours 100 mg	-

Section 11. Toxicological information

	Eyes - Moderate irritant Skin - Mild irritant	Rabbit Rabbit	- -	mg 10 mg 24 hours 500 mg	- -
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Sensitization

Not available.

Mutagenicity

Conclusion/Summary : Not available.

Carcinogenicity

Conclusion/Summary : Not available.

Reproductive toxicity

Conclusion/Summary : Not available.

Teratogenicity

Conclusion/Summary : Not available.

Specific target organ toxicity (single exposure)

Not available.

Specific target organ toxicity (repeated exposure)

Not available.

Aspiration hazard

Not available.

Information on the likely routes of exposure : Etomoxir
BPTES
UK5099

Routes of entry anticipated: Oral, Dermal, Inhalation.
Not available.
Not available.

Potential acute health effects

Eye contact : Etomoxir

Exposure to airborne concentrations above statutory or recommended exposure limits may cause irritation of the eyes.

BPTES
UK5099

No known significant effects or critical hazards.
No known significant effects or critical hazards.

Inhalation : Etomoxir

Exposure to airborne concentrations above statutory or recommended exposure limits may cause irritation of the nose, throat and lungs.

BPTES
UK5099

No known significant effects or critical hazards.
No known significant effects or critical hazards.

Skin contact : Etomoxir
BPTES
UK5099

No known significant effects or critical hazards.
No known significant effects or critical hazards.
No known significant effects or critical hazards.

Ingestion : Etomoxir
BPTES
UK5099

Toxic if swallowed.
No known significant effects or critical hazards.
No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact : Etomoxir

Adverse symptoms may include the following:
irritation
redness

BPTES
UK5099

No specific data.
No specific data.

Section 11. Toxicological information

Inhalation	: Etomoxir BPTES UK5099	Adverse symptoms may include the following: respiratory tract irritation coughing No specific data. No specific data.
Skin contact	: Etomoxir BPTES UK5099	No specific data. No specific data. No specific data.
Ingestion	: Etomoxir BPTES UK5099	No specific data. No specific data. No specific data.

Delayed and immediate effects and also chronic effects from short and long term exposure

Short term exposure

Potential immediate effects : Not available.

Potential delayed effects : Not available.

Long term exposure

Potential immediate effects : Not available.

Potential delayed effects : Not available.

Potential chronic health effects

General	: Etomoxir BPTES UK5099	Repeated or prolonged inhalation of dust may lead to chronic respiratory irritation. No known significant effects or critical hazards. No known significant effects or critical hazards.
Carcinogenicity	: Etomoxir BPTES UK5099	No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards.
Mutagenicity	: Etomoxir BPTES UK5099	No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards.
Reproductive toxicity	: Etomoxir BPTES UK5099	No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards.

Numerical measures of toxicity

Acute toxicity estimates

Product/ingredient name	Oral (mg/kg)	Dermal (mg/kg)	Inhalation (gases) (ppm)	Inhalation (vapors) (mg/l)	Inhalation (dusts and mists) (mg/l)
Etomoxir (R)-(+)-2-[6-(4-Chlorophenoxy)hexyl]-oxirane-2-carboxylic acid sodium salt	100	N/A	N/A	N/A	N/A
BPTES BPTES Sodium chloride	110120.2 3000	N/A N/A	N/A N/A	N/A N/A	N/A N/A
UK5099 UK5099 Sodium chloride	109889.8 3000	N/A N/A	N/A N/A	N/A N/A	N/A N/A

Section 11. Toxicological information

Section 12. Ecological information

12.1 Toxicity

Product/ingredient name	Result	Species	Exposure
BPTES Sodium chloride	Acute EC50 2430000 µg/l Fresh water Acute EC50 519.6 mg/l Fresh water Acute EC50 402.6 mg/l Fresh water Acute IC50 6.87 g/L Fresh water Acute LC50 1000000 µg/l Fresh water Chronic LC10 781 mg/l Fresh water Chronic NOEC 6 g/L Fresh water Chronic NOEC 0.314 g/L Fresh water Chronic NOEC 100 mg/l Fresh water	Algae - Navicula seminulum Crustaceans - Cypris subglobosa Daphnia - Daphnia magna Aquatic plants - Lemna minor Fish - Morone saxatilis - Larvae Crustaceans - Hyalella azteca - Juvenile (Fledgling, Hatchling, Weanling) Aquatic plants - Lemna minor Daphnia - Daphnia pulex Fish - Gambusia holbrooki - Adult	96 hours 48 hours 48 hours 96 hours 96 hours 3 weeks 96 hours 21 days 8 weeks
UK5099 Sodium chloride	Acute EC50 2430000 µg/l Fresh water Acute EC50 519.6 mg/l Fresh water Acute EC50 402.6 mg/l Fresh water Acute IC50 6.87 g/L Fresh water Acute LC50 1000000 µg/l Fresh water Chronic LC10 781 mg/l Fresh water Chronic NOEC 6 g/L Fresh water Chronic NOEC 0.314 g/L Fresh water Chronic NOEC 100 mg/l Fresh water	Algae - Navicula seminulum Crustaceans - Cypris subglobosa Daphnia - Daphnia magna Aquatic plants - Lemna minor Fish - Morone saxatilis - Larvae Crustaceans - Hyalella azteca - Juvenile (Fledgling, Hatchling, Weanling) Aquatic plants - Lemna minor Daphnia - Daphnia pulex Fish - Gambusia holbrooki - Adult	96 hours 48 hours 48 hours 96 hours 96 hours 3 weeks 96 hours 21 days 8 weeks

12.2 Persistence and degradability

Not available.

12.3 Bioaccumulative potential

Not available.

12.4 Mobility in soil

Soil/water partition coefficient (K_{oc}) : Not available.

12.5 Other adverse effects : No known significant effects or critical hazards.

Section 13. Disposal considerations

13.1 Waste treatment methods

Disposal methods : The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal

Section 13. Disposal considerations

of spilled material and runoff and contact with soil, waterways, drains and sewers.

Disposal should be in accordance with applicable regional, national and local laws and regulations. Local regulations may be more stringent than regional or national requirements.

The information presented below only applies to the material as supplied. The identification based on characteristic(s) or listing may not apply if the material has been used or otherwise contaminated. It is the responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste identification and disposal methods in compliance with applicable regulations.

Refer to Section 7: HANDLING AND STORAGE and Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION for additional handling information and protection of employees.

Section 14. Transport information

DOT / TDG / Mexico / IMDG / IATA : Not regulated.

Additional information

Remarks : De minimis quantities

Special precautions for user : **Transport within user's premises**: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

Transport in bulk according to IMO instruments : Not available.

Section 15. Regulatory information

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

U.S. Federal regulations : TSCA 8(a) CDR Exempt/Partial exemption: Not determined
Clean Water Act (CWA) 311: Nitric acid, iron(3+) salt, nonahydrate

Clean Air Act Section 112 (b) Hazardous Air Pollutants (HAPs) : Not listed

Clean Air Act Section 602 Class I Substances : Not listed

Clean Air Act Section 602 Class II Substances : Not listed

DEA List I Chemicals (Precursor Chemicals) : Not listed

DEA List II Chemicals (Essential Chemicals) : Not listed

SARA 302/304

Composition/information on ingredients

No products were found.

SARA 304 RQ : Not applicable.

SARA 311/312

Classification : Etomoxir
BPTES
UK5099

COMBUSTIBLE DUSTS
ACUTE TOXICITY (oral) - Category 3
Not applicable.
Not applicable.

Composition/information on ingredients

Section 15. Regulatory information

Name	%	Classification
Etomoxir (R)-(+)-2-[6-(4-Chlorophenoxy)hexyl]-oxirane-2-carboxylic acid sodium salt	100	COMBUSTIBLE DUSTS ACUTE TOXICITY (oral) - Category 3
BPTES Sodium chloride	≤3	EYE IRRITATION - Category 2A
UK5099 Sodium chloride	≤3	EYE IRRITATION - Category 2A

State regulations

Massachusetts : None of the components are listed.

New York : None of the components are listed.

New Jersey : None of the components are listed.

Pennsylvania : None of the components are listed.

California Prop. 65

This product does not require a Safe Harbor warning under California Prop. 65.

International regulations

Chemical Weapon Convention List Schedules I, II & III Chemicals

Not listed.

Montreal Protocol

Not listed.

Stockholm Convention on Persistent Organic Pollutants

Not listed.

Rotterdam Convention on Prior Informed Consent (PIC)

Not listed.

UNECE Aarhus Protocol on POPs and Heavy Metals

Not listed.

Inventory list

Australia : Not determined.

Canada : Not determined.

China : Not determined.

Europe : Not determined.

Japan : **Japan inventory (CSCL)**: Not determined.
Japan inventory (ISHL): Not determined.

New Zealand : Not determined.

Philippines : Not determined.

Republic of Korea : Not determined.

Taiwan : Not determined.

Thailand : Not determined.

Turkey : Not determined.

United States : Not determined.

Viet Nam : Not determined.

Section 16. Other information

[Procedure used to derive the classification](#)

Classification	Justification
Etomoxir COMBUSTIBLE DUSTS ACUTE TOXICITY (oral) - Category 3	On basis of test data Expert judgment

[History](#)

Date of issue	: 11/25/2021
Date of previous issue	: 11/20/2017
Version	: 3
Key to abbreviations	: ATE = Acute Toxicity Estimate BCF = Bioconcentration Factor GHS = Globally Harmonized System of Classification and Labelling of Chemicals IATA = International Air Transport Association IBC = Intermediate Bulk Container IMDG = International Maritime Dangerous Goods LogPow = logarithm of the octanol/water partition coefficient MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution) N/A = Not available UN = United Nations

▣ Indicates information that has changed from previously issued version.

[Notice to reader](#)

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