

**Etrimfos, techn.mix**  
**reference material****R1739-100MG**

Version 1.1

Issuing date 08/16/2019

Revision Date 11/04/2019

Print Date 08/03/2021



**1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING****Product information**

Trade name	:	Etrimfos, techn.mix reference material
Number	:	000000005239
Recommended use of the chemical and restrictions on use	:	Reference Standard, Laboratory chemicals
Manufacturer or supplier's details	:	Honeywell Specialty Chemicals Seelze GmbH Wunstorfer Straße 40 Seelze, 30926
For further information, please contact:	:	1-800-368-0050 +1-231-726-3171 (Monday-Friday, 9:00am-5:00pm)
In case of emergency call	:	<b>Medical: 1-800-498-5701 or +1-303-389-1414</b> <b>Transportation (CHEMTREC): 1-800-424-9300 or +1-703-527-3887</b> <b>In Japan: +(81)-345209637</b> (24 hours/day, 7 days/week)

**2. HAZARDS IDENTIFICATION****Classification of the substance or mixture**

Classification of the substance or mixture	:	Acute toxicity, Category 4, Oral Short-term (acute) aquatic hazard, Category 1 Long-term (chronic) aquatic hazard, Category 1
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**GHS Label elements, including precautionary statements**

Symbol(s)	:	 
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Signal word	:	Warning
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Hazard statements : Harmful if swallowed.  
Very toxic to aquatic life with long lasting effects.

Precautionary statements : **Prevention:**  
Wash skin thoroughly after handling.  
Do not eat, drink or smoke when using this product.  
Avoid release to the environment.  
Wear protective gloves/ eye protection/ face protection.

**Response:**  
IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell. Rinse mouth.  
Collect spillage.

**Disposal:**  
Dispose of contents/ container to an approved waste disposal plant.

**3. COMPOSITION/INFORMATION ON INGREDIENTS**Formula : C<sub>10</sub>H<sub>17</sub>N<sub>2</sub>O<sub>4</sub>PS

Chemical nature : Substance

Chemical name	CAS-No.	Concentration
Etrimfos	38260-54-7	>=50.00 - <70.00 %
Etrimfos		

Note: none

**4. FIRST AID MEASURES**

General advice : First aider needs to protect himself.  
Move out of dangerous area.  
Take off all contaminated clothing immediately.

Inhalation : If breathed in, move person into fresh air.  
Call a physician if irritation develops or persists.

Skin contact : Wash off immediately with plenty of water for at least 15 minutes.  
Take off all contaminated clothing immediately.  
Call a physician if irritation develops or persists.

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Eye contact	: Rinse thoroughly with plenty of water, also under the eyelids. Protect unharmed eye. Remove contact lenses. If eye irritation persists, consult a specialist.
Ingestion	: Clean mouth with water and drink afterwards plenty of water. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. Consult a physician.
Notes to physician	: Treat symptomatically.

**5. FIREFIGHTING MEASURES**

Suitable extinguishing media	: Alcohol-resistant foam Water spray ABC powder Carbon dioxide (CO <sub>2</sub> )
Unsuitable extinguishing media	: Do not use a solid water stream as it may scatter and spread fire.
Specific hazards during firefighting	: In case of fire hazardous decomposition products may be produced such as: carbon oxides (CO, CO <sub>2</sub> ), nitrogen oxides (NO <sub>x</sub> ). Sulphur oxides Phosphorus compounds
Special protective equipment for firefighters	: Wear self-contained breathing apparatus and protective suit. No unprotected exposed skin areas.
Further information	: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**6. ACCIDENTAL RELEASE MEASURES**

Personal precautions, protective equipment and emergency procedures	: Wear personal protective equipment. Unprotected persons must be kept away. Ensure adequate ventilation. Avoid formation of aerosol. Avoid inhalation of vapour or mist. Avoid contact with skin, eyes and clothing.
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- Environmental precautions : Prevent further leakage or spillage if safe to do so.  
Discharge into the environment must be avoided.  
Do not flush into surface water or sanitary sewer system.  
If the product contaminates rivers and lakes or drains inform respective authorities.
- Methods and materials for containment and cleaning up : Soak up with inert absorbent material.  
Sweep up and shovel into suitable containers for disposal.  
Dispose of in accordance with local regulations.

**7. HANDLING AND STORAGE****Handling**

- Precautions for safe handling : Use only in well-ventilated areas.  
Wear personal protective equipment.  
Avoid contact with skin, eyes and clothing.

- Advice on protection against fire and explosion : Normal measures for preventive fire protection.

**Storage**

- Conditions for safe storage, including any incompatibilities : Store in original container.  
Keep container tightly closed in a dry and well-ventilated place.  
Recommended storage temperature: 2 - 8 °C

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION****Components with workplace control parameters**

Contains no substances with occupational exposure limit values.

**Appropriate engineering controls**

Ensure adequate ventilation, especially in confined areas.

**Individual protection measures, such as personal protective equipment**

- Respiratory protection : In case of insufficient ventilation, wear suitable respiratory equipment.
- Hand protection : Impervious gloves  
Gloves must be inspected prior to use.  
Replace when worn.

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Eye protection	: Safety glasses with side-shields
Skin and body protection	: Wear suitable protective equipment. Wear as appropriate: Protective suit
Hygiene measures	: General industrial hygiene practice.
Protective measures	: Ensure that eyewash stations and safety showers are close to the workstation location. Legal requirements are to be considered in regard of the selection, use and care of personal protective equipment.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

Physical state	: liquid
Colour	: colourless
Odour	: characteristic
pH	: Note: no data available
Melting point/range	: -3.35 °C
Boiling point/boiling range	: Note: no data available
Flash point	: Note: no data available
Evaporation rate	: Note: no data available
Flammability	: Not applicable
Lower explosion limit	: Note: no data available
Upper explosion limit	: Note: no data available

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Vapour pressure	: 0.0065 Pa at 20 °C(68 °F)  0.018 Pa at 30 °C(86 °F)
Vapour density	: Note: no data available
Density	: ca. 1.200 g/cm <sup>3</sup> at 20 °C
Water solubility	: 40 mg/l  Note: practically insoluble
Partition coefficient: n-octanol/water	: log Pow: > 3.3
Ignition temperature	: Note: no data available
Decomposition temperature	: Note: No decomposition if stored and applied as directed.
Viscosity, dynamic	: Note: no data available
Viscosity, kinematic	: Note: no data available
Molecular weight	: 292.29 g/mol
Bulk density	: 1.195 kg/m <sup>3</sup> at 20 - 25 °C

**10. STABILITY AND REACTIVITY**

Chemical stability	: Stable under normal conditions.
Possibility of hazardous reactions	: Hazardous polymerisation does not occur.
Conditions to avoid	: Avoid formation of aerosol. Temperatures greater than recommended storage

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temperature.

Incompatible materials to avoid	: Strong oxidizing agents
Hazardous decomposition products	: In case of fire hazardous decomposition products may be produced such as: carbon oxides (CO, CO <sub>2</sub> ) and nitrogen oxides (NO <sub>x</sub> ). Sulphur oxides Phosphorus compounds

**11. TOXICOLOGICAL INFORMATION**

Acute oral toxicity	: LD50: 1,800 mg/kg Species: Rat
Acute inhalation toxicity	: Note: no data available
Acute dermal toxicity	: LD50: > 5,000 mg/kg Species: Rat
Skin irritation	: Note: no data available
Eye irritation	: Note: no data available
Sensitisation	: Note: no data available
Repeated dose toxicity	: Note: no data available
Genotoxicity in vitro	: Note: no data available
Further information	: Note: Information refers to the main component.

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**12. ECOLOGICAL INFORMATION****Toxicity**

Toxicity to fish : LC50: 0.024 mg/l  
Exposure time: 96 h  
Species: Oncorhynchus mykiss (rainbow trout)

Toxicity to daphnia and other : EC50: 0.0173 mg/l  
aquatic invertebrates Exposure time: 48 h  
Species: Daphnia magna (Water flea)

Toxicity to algae : EC50: 2.9 mg/l  
Exposure time: 72 h  
Species: scenedesmus subspicatus

**Persistence and degradability**

Biodegradability : Note: Not readily biodegradable.

**Other adverse effects**

Additional ecological : Very toxic to aquatic life with long lasting effects.  
information Information refers to the main component.

**13. DISPOSAL CONSIDERATIONS**

Disposal methods : In accordance with local and national regulations.

**14. TRANSPORT INFORMATION****ADR**

UN/ID No. : UN 3082

Description of the goods : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,



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N.O.S.

(O-6-ETHOXY-2-ETHYLPYRIMIDIN-4-YL O,O-DIMETHYLPHOSPHOROTHIOATE)

Class : 9  
Packing group : III  
Classification Code : M6  
Hazard Identification Number : 90  
Labels : 9

**IATA**

UN/ID No. : UN 3082  
Description of the goods : Environmentally hazardous substance, liquid, n.o.s.  
(O-6-Ethoxy-2-ethylpyrimidin-4-yl O,O-dimethylphosphorothioate)

Class : 9  
Packing group : III  
Labels : 9  
Packing instruction (cargo aircraft) : 964  
Packing instruction (passenger aircraft) : 964  
Packing instruction (passenger aircraft) : Y964

**IMDG**

UN/ID No. : UN 3082  
Description of the goods : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.  
(O-6-ETHOXY-2-ETHYLPYRIMIDIN-4-YL O,O-DIMETHYLPHOSPHOROTHIOATE)

Class : 9  
Packing group : III  
Labels : 9  
EmS Number 1 : F-A  
EmS Number 2 : S-F

Marine pollutant : yes

Not regulated for transport when single and combination packagings are <5L for liquids or <5kg for solids per ADR 2.2.9.2.10, IMDG 2.10.3 and IATA SP A197).

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**15. REGULATORY INFORMATION****National regulatory information**

Vessel Safety Law : Miscellaneous dangerous substances and articles (Article 2 and  
JP VSL 3 of rules on shipping and storage of dangerous goods and its  
Attached Table 1)

Aviation Law : Miscellaneous dangerous substances and articles (Article 194  
JP AVL of The Enforcement Rules of Aviation Law and its Attached  
Table 1)

Fire Service Law : Not relevant

Poisonous and Deleterious : Not relevant  
Substances Control Law

**Other international regulations****Notification status**

US. Toxic Substances : Not On TSCA Inventory  
Control Act

Australia. Industrial Chemical : On the inventory, or in compliance with the inventory  
(Notification and  
Assessment) Act

Canada. Canadian : Not in compliance with the inventory  
Environmental Protection Act  
(CEPA). Domestic  
Substances List (DSL)

Japan. Kashin-Hou Law List : Not in compliance with the inventory

Korea. Existing Chemicals : On the inventory, or in compliance with the inventory  
Inventory (KECI)

Philippines. The Toxic : Not in compliance with the inventory  
Substances and Hazardous  
and Nuclear Waste Control  
Act

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China. Inventory of Existing Chemical Substances (IECSC) : Not in compliance with the inventory

New Zealand. Inventory of Chemicals (NZIoC), as published by ERMA New Zealand : Not in compliance with the inventory

**16. OTHER INFORMATION****Further information**

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. Final determination of suitability of any material is the sole responsibility of the user. This information should not constitute a guarantee for any specific product properties.

Changes since the last version are highlighted in the margin. This version replaces all previous versions.

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Prepared by Honeywell Performance Materials and Technologies Product Stewardship Group