

4-HT Control

Material Safety Data Sheet according to 1907/2006/EC Article 31 (REACH)

1. IDENTIFICATION OF SUBSTANCE / PREPARATION AND THE COMPANY UNDERTAKING	
Product name:	4-HT control
Product code:	PPC-HT18
Synonyms:	(Z)-4-Hydroxytamoxifen
Recommended uses:	Not for use in humans, not for diagnostic purposes. Research use only.
Supplier:	Xenometrix AG, Gewerbestrasse 25, CH-4123 Allschwil, Switzerland
Emergency contact numbers:	+41 61 482 14 34
Country of origin:	Switzerland
HS Code:	3822.1900
2. HAZARDS IDENTIFICATION	
Classification:	According to regulation (EC) No 1272/2008.
Label element:	Keep out of the reach of children. Pictogram: 
Hazard statement(s):	Signal word: Danger H302 Harmful if swallowed. H350 May cause cancer. H360 May damage fertility. May damage the unborn child. H410 Very toxic to aquatic life with long lasting effects.
Precautionary statement(s):	P202 Do not handle until all safety precautions have been read and understood. P264 Wash skin thoroughly after handling. P273 Avoid release to the environment. P301 + 313 IF SWALLOWED: Call a POISON CENTER/ doctor if you feel unwell. P308 + P313 IF exposed or concerned: Get medical advice/ attention.
Other hazards:	Carcinogenicity (Category 1B) and acute toxicity (Category 4)
3. COMPOSITION / INFORMATION ON INGREDIENTS	
Product:	Molecular formula $C_{26}H_{29}NO_2$ Molecular weight 387.51 g/mol
Description:	Component is used as positive control in an assay.
CAS-No:	68047-06-3
EINECS Number:	No data available.
Index-No:	No data available.
Other information:	Component is a powder.
4. FIRST AID MEASURES	
Eye contact:	Remove contact lenses. Rinse thoroughly with plenty of water for at least 15 minutes. If contact lenses can't remove, continue washing. Consult a physician or an expert.
Skin contact:	Remove contaminated clothing and wash before renew use. Wash off with soap and plenty of water. Consult a physician.
Inhalation:	Move person into fresh air and control respiration. If not breathing, give artificial respiration. Consult a physician.
Ingestion:	Never give anything by mouth to an unconscious person. Consult a physician. Never cause nausea. Rinse mouth with water. Concerned

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person should drink water, better milk (two glasses at most). If nausea: Beware swallowing and keeping in recovery position.

5. FIRE-FIGHTING MEASURES	
Extinguishing media:	Suitable extinguishing media, water Foam Carbon dioxide (CO ₂) Dry powder. Unsuitable extinguishing media, for this substance/mixture no limitations of extinguishing agents are given.
Special hazards arising from the substance or mixture:	This product is combustible. Fire may cause generally accumulation of: Carbon oxides (CO _x) Nitrogen oxides (NO _x); Development of hazardous combustion gases or vapours possible in the event of fire.
Advice for firefighters:	Special protective equipment for firefighters. Wear self-contained breathing apparatus. Keeping a safe distance or by wearing suitable protective clothing.
6. ACCIDENTAL RELEASE MEASURES	
Personal precautions:	Use proper personal protective equipment as indicated in Section 8. Wear self-contained breathing apparatus, eye protection and gloves. Keep personal hygiene. Avoid contact with skin and eyes. Avoid dust formation. Avoid breathing dust, vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.
Environmental precautions:	Do not let product enter the drains.
Methods and materials for containment and cleaning up:	Ensure adequate ventilation. Avoid direct contact with the product. Evacuate personnel to safe areas. Sweep up with suitable material. Keep in suitable, closed containers for disposal. Clean up affected area.
7. HANDLING AND STORAGE	
Handling:	Handle in accordance with good laboratory hygiene and safety practice. This product is not combustible. Firefighting measures see section 5. Open container carefully. No other information available.
Storage:	Store in the original container as much as possible. Recommended storage temperature: -20°C.
8. EXPOSURE CONTROLS / PERSONAL PROTECTION	
Eye protection:	Wear safety glasses with side protection. Wear appropriate protective safety glasses with side-shields conforming to EN166, chemical safety goggles or face-shield (min. 8-inch) as described by OSHA's eye and face protection regulations. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU).
Skin protection:	Wear appropriate protective gloves to prevent skin exposure, as defined in EU Directive standard EN 16523 derived from it.
Body protection:	Appropriate protective clothing, overalls.
Respiratory protection:	Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N95 (US) or type P1 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).
9. PHYSICAL AND CHEMICAL PROPERTIES	
Appearance:	White powder in a vial.
Odour:	No data available.
pH:	No data available.

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Melting point:	No data available.
Boiling point:	No data available.
Flash point:	No data available.
Evaporation rate:	No data available.
Flammability:	No data available.
Self-ignition temp.:	No data available.
Danger of Explosion:	No data available.
lower explosion limit:	No data available.
upper explosion limit:	No data available.
Decomposition Temp.:	No data available.
Kinematic Viscosity:	No data available.
Vapor Pressure:	No data available.
Relative Density (20°C):	1,092 g/cm ³ at 20 °C
Relative Gas Density (20°C):	No data available.
Solubility (20°C):	No data available.
Partition coefficient n-octanol/water:	5,8 at 25 °C
Log KOW:	No data available.

10. STABILITY AND REACTIVITY

Chemical stability:	Stable under normal storage conditions and recommended use.
Conditions to avoid:	No data available.
Incompatibilities with other materials:	No data available.
Hazardous decomposition products:	No data available.

11. TOXICOLOGICAL INFORMATION

Acute toxicity:	LD50: Rat 1.190 mg/kg LC50: No data available.
RTECS#:	Data not available.
Skin corrosion/irritation:	Data not available.
Serious eye damage/eye irritation:	Data not available.
Respiratory or skin sensitization:	Data not available.
Carcinogenicity rat:	Data not available.
Carcinogenicity mouse:	Data not available.
Reproductive toxicity:	Data not available.
Specific target organ toxicity:	Data not available.
Aspiration hazard:	Data not available.
Signs and symptoms of exposure:	To the best of our knowledge, the chemical, physical and toxicological properties have not been thoroughly investigated.
Target organs:	Data not available.
Potential health effects:	Eye: May cause serious eye irritation. Skin: May be harmful by skin absorption. May cause skin irritation. Ingestion: Harmful if swallowed. Inhalation: May be harmful if inhaled. May cause respiratory tract irritation. Chronic: No information found.
Other:	No data available.

12. ECOLOGICAL INFORMATION

Toxicity:	LC50 Oncorhynchus mykiss 0,32 mg/L. LC50 Oncorhynchus mykiss 0,41 mg/L.
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	LC50 Lepomis macrochirus 0,23 mg/L. NOEC Daphnia magna 0,06 mg/L.
Persistence and degradability:	No data available.
Bioaccumulative potential:	No data available.
Mobility in soil:	No data available.
Result of PBT and vPvB 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.
Other adverse effects:	No data available.

13. DISPOSAL CONSIDERATION	
Waste treatment methods:	Avoid discharge in environment.
Treatment key:	Ask your local administration.
Contaminated packaging/ product:	No data available.
Special precaution:	No data available.
Other:	Observe all federal, state and local environmental regulations. Mix or dissolve the material in a combustible solvent and burn in chemical incinerator equipped with an afterburner and scrubber. Contact a licensed professional waste disposal service to dispose of this material.

14. TRANSPORT INFORMATION	
ADR / RID	3077 (environmentally hazardous substance)
IMDG	3077 (environmentally hazardous substance)
IATA	3077 (environmentally hazardous substance)

15. REGULATORY INFORMATION	
This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006. Safety, health and environmental regulations/legislation specific for the substance or mixture: no data available. Chemical Safety Assessment: A chemical safety assessment was not carried out for this product	

16. ADDITIONAL INFORMATION	
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