1) IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING

1.1 Product identifier:

Product name: ENVIRA HOLZWURMSPRAY

Approval numbers: DE-0015228-08 | AT-0026444-0000

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

Insecticide for woodworms.

1.3. Details of the Supplier of the safety data sheet

Manufacturer:

Name: Chrysamed Kimya San. Ve Dış. Tic. Ltd. Şti.

Address: Atatürk Mah. İzmir Cad. No: 132 Torbalı / İZMİR - TURKEY

Phone: +90 232 865 12 13

E-mail: info@chrysamed.com

Importer:

Envira GmbH

A-5020 Salzburg Austria Karl-Emminger Str. 14-16

Phone: +43 662 621020

E-mail : www.envira.eu

1.4.Emergency telephone number

Austria +43 662 621020

Turkey +90 232 8651213

2) HAZARDS IDENTIFICATION

2.1.Classification of the substance or mixture

2.1.1 Classification according to Regulation (EC) No 1272/2008 (CLP)

Aquatic Acute 1; H400

Aquatic Chronic Category 1; H410

2.1.2 Additional information

For full text of Hazard and EU Hazard-statements: see SECTION 16.

2.2.Label elements

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

Hazard pictograms:

Signal word:

Warning

Hazard statements:

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

Precautionary statements:

P273 Avoid release to the environment.

P391 Collect spillage.

P501 Dispose of contents/container

2.3.Other hazards

EUH 208 : This product contains Permethrin, may cause allerjic reaction.

3) COMPOSITION/INFORMATION ON INGREDIENTS

3.1.Substances

3.2.Mixtures

Substances	CAS No	EC No	Concentration (%)	Classification according to Regulation (EC) No 1272/2008 (CLP)
Permethrin	52645-53-1	258-067-9	%0,2	Acute Tox. 4; H302 Skin Sens. 1: H317 Acute Tox. 4; H332 Aquatic Acute 1; H400 (M=1000) Aquatic Chronic 1; H410
Poly(oxy-1,2-ethanediyl), alpha-[tris(1-phenylethyl)phenyl]-omegahydroxy	99734-09-5	619-457-8	1-2,5%	Aquatic Chronic 3, H412
3-Butoxy-2-propanol	5131-66-8	225-878-4	1-2,5%	Skin Irritation Category 2; H315 Eye Irritation Category 2; H319

The full text of all hazard statements are displayed in **section 16.**

4) FIRST AID MEASURES

4.1. Description of first aid measures

Inhalation: If the person has difficulty to breathe, remove person to fresh air and at a rest in a position comfortable for breathing. If the problem persists, consult a doctor.

Ingestion: Rinse your mouth. DO NOT induce vomiting. Immediately call a doctor.

Skin contact: Wash your contaminated skin with water/shower for at least 15 minutes. Get medical attention if irritation persists.

Eye contact: Carefully rinse with water in several minutes. If the handle plugged in and do, remove contact lenses. Continue to rinse and get medical attention.

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

Inhalation: Irritation of nose, throat and airway.

Ingestion: Nausea or vomiting.

Skin contact: May cause skin irritation.

Eye contact: May cause eye irritation.

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

Treat symptomatically.

5) FIREFIGHTING MEASURES

5.1.Extinguishing media

Suitable extinguishing media:

This product is not flammable. Use foam, water mist, water spray, ABC powder, BC powder, Carbon dioxide.

Unsuitable extinguishing media:

Water with full jet.

5.2. Special hazards arising from the substance or mixture

Hazardous combustion products: Fire causes formation of toxic gases. Carbon dioxide (CO2), carbonmonoxide (CO). Nitrogen oxides (NOx)

5.3. Advice for firefighters Special firefighting methods:

If there is not a risk, remove the product from the fire area. Quench with an appropriate fire extinguisher.

Wear self- contained breathing apparatus.

Special protective equipment for firefighters:

Cool endangered containers with water spray.

Fire residues and contaminated extinguishing water must be disposed of in accordance with official regulations.

6) ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Wear protective clothing as described in **Section 8** of the Safety Data Sheet. Avoid breathing gas and avoid contact with eyes and skin. Keep unprotected people away. Provide adequate ventilation.

6.2. Environmental precautions

Do not allow it to get into the subsoil / soil. In the event of penetration into the ground, notify the responsible authorities. Inform respective authorities when entering in waters or the sewerage.

6.3. Methods and material for containment and cleaning up

Small spillages: Clean with absorbent material.

Great Spillages: Use dry sand or earth. Put contaminated waste into barrels/containers. Wash with water for a while to clear. Report immediately to authorities.

6.4. References to other sections

See **Section 7** for information on safe handling. See **Section 8** for personal protection.

See **Section 11** for additional information on health hazards. See **Section 13** for waste disposal.

7) HANDLING AND STORAGE

7.1. Precautions for safe handling

Read the instructions before use and follow the manufacturer's recommendations. Avoid contact with eyes and skin. Avoid breathing the smoke. After handling wash hands thoroughly with soap and water. While using do not eat, drink or smoke. Keep container tightly closed. Use and open container with care. Ensure good ventilation / exhaustion at the workplace. Avoid aerosol formation.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and containers:

Store only in the original container. Provide a solvent-resistant and airtight floor. Provide a floor pan without a drain.

Information about storage in one common storage facility:

Store separately from foodstuffs.

Further information on storage conditions:

Keep locked up or only accessible to experts or their agents. Keep container tightly closed. Keep container in a well-ventilated place. Store in a cool, dry place in tightly closed containers.

Protect from frost. Protect from heat and direct sunlight.

7.3. Specific end use(s)

The identified uses for this product are detailed in **Section 1.2.**

8) EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Components with workplace-related limit values that must be monitored:

(5131-66-8) 3-Butoxy-2-propanol

· DNEL-Werte

Oral

DNEL Long-term - Systemic (consumer) 12,5 mg/kg bw/day (/)

Dermal

DNEL Long-term - Systemic (worker) 52 mg/kg bw/day (/)

DNEL Long-term - Systemic (consumer) 22 mg/kg bw/day (/)

Inhalativ

DNEL Long-term - Systemic (worker) 147 mg/m³ (/)

DNEL Long-term - Systemic (consumer) 43 mg/m³ (/)

· PNEC-Werte

PNEC Fresh water 0,525 mg/l (/)

PNEC Marine water 0,0525 mg/l (/)

PNEC Intermittent releases 5,25 mg/l (/)

PNEC Fresh water sediment 2,36 mg/kg (/)

PNEC Marine sediment 0,236 mg/kg (/)

PNEC Soil 0,16 mg/kg (/)

PNEC STP 10 mg/l (/)

8.2. Exposure controls

General protective and hygiene measures:

The usual precautionary measures when handling chemicals must be observed. Keep away from food, drink and animal feed. Take off dirty, soaked clothes immediately. Wash hands before breaks and at the end of work. Avoid contact with eyes and skin.

8.2.1.Individual protection measures, such as personal protective equipment:

Respiratory protection:

In case of insufficient ventilation, use respiratory protection. Breathing filter device for short-term or low exposure; with intensive or prolonged exposure Use self-contained breathing apparatus.

Hand protection:

The glove material has to be impermeable and resistant to the product / the substance / the preparation.

Due to a lack of tests, no recommendation can be made on the glove material for the product / the preparation / the chemical mixture. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

Glove material

EN374, Natural rubber (latex), Nitrile rubber, PVC gloves, Butyl rubber

The selection of a suitable glove does not only depend on the material, but also on other quality features and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material cannot be calculated in advance and must therefore be checked prior to use.

Penetration time of glove material

The exact break through time can be found out by the manufacturer of the protective gloves and has to be observed.

Skin Protection: Wear apron or protective clothing to prevent any possibility of skin contact.

Eye protection: Tightly fitting protective goggles. EN 166

Hygiene measures: Remove the contaminated clothing. Use appropriate skin cream to prevent drying of the skin. Do not eat, drink or smoke while using the product.

9) PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance	: Liquid
Odor	: Imperceptible.
Color	: Colorless
Relative density at 20 ° C	: 1 (ISO 3507)
pH (20°C)	: ~ 4.5
Flash point	: >100 °C (ASTM D 7236-07/Closed cup)
Melting Point / Freezing Point	: No information available
Evaporation Rate	: No information available
Flammability	: Non-flammable
Upper / Lower Flammability	: No information available

Vapor Pressure	: No information available
Vapor density	: No information available
Log Pow	: No information available
Flammability	: No information available
Decomposition Temperature	: No information available
Viscosity	: No information available
Explosive Properties	:Not explosive.
Oxidizing Properties	: No information available
Viscosity	: No information available
Solid content	: 0.9%
Solvent content	:
Organic solvents	: 2.5%
VOC content	:2.49%
Solubility	: Soluble in water

9.2. Other information

No additional information available

10) STABILITY AND REACTIVITY

10.1. Reactivity

No information.

10.2. Chemical stability

Stable under normal temperature conditions and recommended use. Stable at prescribed storage conditions.

10.3. Possibility of hazardous reactions

If heated above the decomposition point, the release of toxic vapors is possible.

10.4. Conditions to avoid

Do not expose to high temperatures or direct sunlight.

10.5. Incompatible materials

No further relevant information available.

10.6. Hazardous decomposition products

Danger of formation of toxic Pyrolysis products. Carbon monoxide and carbon dioxide,Nitrogen oxides (NOx)

11) TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Acute toxicity:

Based on the available data, the classification criteria are not met.

LD / LC50 values relevant for classification:

(5131-66-8) 3-butoxy-2-propanol

Oral LD50 ~ 3.300 mg / kg (rat) (OESO 423)

Dermal LD50> 2,000 mg / kg (rat) (OESO 402)

Inhalation LC50 (4 h)> 651 ppm (rat)

(99734-09-5) Poly (oxy-1,2-ethanediyl), alpha- [tris (1-phenylethyl) phenyl] -omega-hydroxy

Oral LD50 5,000 mg / kg (rat)

Dermal LD50> 2,000 mg / kg (rat)

(52645-53-1) Permethrin (ISO)

Oral LD50 480-554 mg / kg (rat)

Dermal LD50> 2,000 mg / kg (rat)

Primary irritant effect:

· Skin corrosion / irritation: Based on the available data, the classification criteria are not met.

· Serious eye damage / irritation: Based on the available data, the classification criteria are not met.

· Respiratory or skin sensitization: Based on the available data, the classification criteria are not met.

CMR effects (carcinogenity, mutagenicity and toxicity for reproduction)

· Germ cell mutagenicity: Based on the available data, the classification criteria are not met.

· Carcinogenicity: Based on the available data, the classification criteria are not met.

· Reproductive toxicity: Based on the available data, the classification criteria are not met.

· Specific target organ toxicity after single exposure: Based on the available data, the classification criteria are not met.

· Specific target organ toxicity after repeated exposure: Based on the available data, the classification criteria are not met.

· Danger of aspiration: Based on the available data, the classification criteria are not met.

12) ECOLOGICAL INFORMATION

12.1. Toxicity

It contains substances classified as hazardous to the environment along with the contents to be harmful to aquatic organisms.

12.1.1 Acute (short-term) toxicity:

5131-66-8 3-Butoxy-2-propanol

EC 50 (3 h) (static) >1.000 mg/l (Activated Sludge)

EC 50 (96 h) (static) >1.000 mg/l (algae) (Pseudokirchneriella subcapitata)

LC 50 (96 h) >100 mg/l (Pimephales promelas) >560-1.000 mg/l (Poecilia reticulata)

EC 50 (48 h) (static) >1.000 mg/l (daphnia magna) (OESO 202, part 1)

99734-09-5 Poly(oxy-1,2-ethanediyl), alpha-[tris(1-phenylethyl)phenyl]-omega-hydroxy

LC 50 (96 h) 21 mg/l (Danio rerio) 52645-53-1

52645-53-1Permethrin (ISO)

EC 50 (72 h) >0,022 mg/l (algae)

EC 50 (3 h) >1.000 mg/l (Activated Sludge)

LC 50 (96 h) 0,0089 mg/l (Poecilia reticulata) 0,145 mg/l (Cyprinus caprio)

EC 50 (48 h) 0,32 mg/l (daphnia magna)

12.2.Persistence and degradability:

5131-66-8 3-Butoxy-2-propanol

OESO 301E 90 % (Activated Sludge) (aerobe; domestic; 28 d; 92/69/EEG, C.4-B)

12.3.Bioaccumulative potential: No information

12.4.Mobility in soil:

Behavior in sewage treatment plants:

5131-66-8 3-butoxy-2-propanol

EC50 (OECD 209)> 1,000 mg / l (Activated Sludge) (OESO 209, 180 min, aquatic)

Further ecological information:

Water hazard class 3 (self-assessment): highly hazardous to water.

Do not allow to get into the ground water, water course or the sewage system, not even in small amounts.

Endangering drinking water even if the smallest amounts leak into the subsoil

12.5.Results of PBT and vPvB assessment:

PBT: Not applicable.

VPvB: Not applicable.

12.6.Other adverse effects:

No information

13) DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Recommendation: Must not be disposed of together with household garbage. Do not empty into drains.

Uncleaned packaging:

Recommendation: Disposal according to official regulations.

Recommended cleaning agent: Water, if necessary with the addition of cleaning agents.

14) TRANSPORT INFORMATION

14.1. UN Number (ADR/RID/ADN – IMDG – IATA)

3082

14.2. UN proper shipping name

ADR 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Permethrin (ISO))

IMDG ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (permethrin (ISO)), MARINE POLLUTANT

IATA ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (permethrin (ISO))

14.3. Transport hazard class (es) (ADR/RID/ADN – IMDG – IATA)

Class 9 Miscellaneous dangerous substances and articles

Transport Regulation:

14.4. Packing group (ADR/RID/ADN – IMDG – IATA)

III

14.5. Environmental hazards

Environmentally Hazardous Substance / Marine Pollutant: Yes.

14.6. Special precautions for user

Various dangerous substances and objects

Danger code (Kemler): 90

EMS number: F-A, S-F

Stowage Category A

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code"

Not applicable.

15) REGULATORY INFORMATION

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

· Labeling according to Regulation (EC) No. 1272/2008 GHS label elements

· Directive 2012/18 / EU

· Named dangerous substances - ANNEX I None of the ingredients is included.

· Seveso category E1 hazardous to the aquatic environment

· Quantity threshold (in tons) for use in operations in the lower class of 100 t

· Quantity threshold (in tons) for use in companies in the upper class of 200 t

REGULATION (EC) No. 1907/2006 ANNEX XVII Conditions of restriction: 3

Regulation (EU) No. 649/2012

52645-53-1 Permethrin (ISO) Anex 1 Part 1

15.2.Chemical Safety Assessment:

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

16) OTHER INFORMATION

Legal warning:

This information relates to a specific product and is not available for use in combination with any process or with any other material. Do not use on other application (s) without consulting the manufacturer. Information about the product in this Safety Data Sheet has been compiled from knowledge of the individual components. The data given here is based on current knowledge and experience. This Safety Data Sheet analyzes the product in terms of safety requirements and does not give any guarantee of the properties for the product. Usage of the information remains under the sole responsibility of the user.

Hazard statements:

H302 Harmful if swallowed.

H315 Causes skin irritation.

H317 Causes allergic skin reactions.

H319 Causes serious eye irritation.

H332 Harmful by inhalation.

H400 Very toxic to aquatic environment.

H410 Long-lasting, very toxic effect in aquatic environment.

H412 Harmful to aquatic organisms, with long-term effect.

Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

Concent.: Concentration of the substance.

VOC: Volatile Organic Compounds (USA, EU)

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Revision Comments:

Hazardous to water - Category 3

Data compared to the previous version changed