

SAFETY DATA SHEET

(in accordance with Regulation (EU) 2020/878)

ORTHAPRIME

Version 1 Date of compilation: 17/01/2020

Version 6 (replaces version 5)

Revision date: 24/10/2024

Page 1 of 12

Print date: 24/10/2024

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING.

1.1 Product identifier.

Product Name: ORTHAPRIME
UFI: ESC1-Y01F-T00S-79X5

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

Not recommended for domestic use

Uses advised against:

Uses other than those recommended.

1.3 Details of the supplier of the safety data sheet.

Company: **A.Algeo Ltd.**
Address: Sheridan House, Bridge Industrial Estate, Speke Hall Road
City: Liverpool
Post Code: L24 9HB
Telephone: +44 (0)151 448 1228
Fax: +44 (0)151 448 1008
E-mail: info@algeos.com
Web: www.algeos.com

1.4 Emergency telephone number: +44 (0)151 448 1228 (Only available during office hours; Monday-Friday; 09.00-17:00)

SECTION 2: HAZARDS IDENTIFICATION.

2.1 Classification of the substance or mixture.

In accordance with Regulation (EC) No 1272/2008:

Aquatic Chronic 3 : Harmful to aquatic life with long lasting effects.

Eye Irrit. 2 : Causes serious eye irritation.

Flam. Liq. 2 : Highly flammable liquid and vapour.

STOT SE 3 : May cause drowsiness or dizziness.

2.2 Label elements.

Labelling in accordance with Regulation (EC) No 1272/2008:

Pictograms:



Signal Word:

Danger

Hazard statements:

| | |
|------|--|
| H225 | Highly flammable liquid and vapour. |
| H319 | Causes serious eye irritation. |
| H336 | May cause drowsiness or dizziness. |
| H412 | Harmful to aquatic life with long lasting effects. |

Precautionary statements:

| | |
|------|--|
| P210 | Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. |
| P233 | Keep container tightly closed. |
| P261 | Avoid breathing vapours |
| P273 | Avoid release to the environment. |

-Continued on next page.-

SAFETY DATA SHEET

(in accordance with Regulation (EU) 2020/878)



ORTHAPRIME

Version 1 Date of compilation: 17/01/2020

Version 6 (replaces version 5)

Revision date: 24/10/2024

Page 2 of 12

Print date: 24/10/2024

P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection/...
P370+P378 In case of fire: Use foam or dry powder for extinction.
P403+P235 Store in a well-ventilated place. Keep cool.

EUH statements:

EUH066 Repeated exposure may cause skin dryness or cracking.

Contains:

ethyl acetate

symclosene, trichloroisocyanuric acid, trichloro-1,3,5-triazinetriol

2.3 Other hazards.

The mixture does not contain substances classified as PBT.

The mixture does not contain substances classified as vPvB.

The mixture does not contain any endocrine disrupting properties substances.

In normal use conditions and in its original form, the product itself does not involve any other risk for health and the environment.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS.

3.1 Substances.

Not applicable.

3.2 Mixtures.

Substances posing a danger to health or the environment in accordance with the Regulation (EC) No. 1272/2008, assigned a Community exposure limit in the workplace, and classified as PBT/vPvB or included in the Candidate List:

| Identifiers | Name | Concentrate | (*)Classification - Regulation (EC) No 1272/2008 | |
|--|--|---------------|--|--|
| | | | Classification | Specifics concentration limits and Acute toxicity estimate |
| Index No: 607-022-00-5 CAS No: 141-78-6 EC No: 205-500-4 Registration No: 01-2119475103-46-XXXX | [1] ethyl acetate | 20 - 99.99 % | Eye Irrit. 2, H319 - Flam. Liq. 2, H225 - STOT SE 3, H336 | - |
| Index No: 613-031-00-5 CAS No: 87-90-1 EC No: 201-782-8 | symclosene, trichloroisocyanuric acid, trichloro-1,3,5-triazinetriol | 0.25 - 2.49 % | Acute Tox. 4 *, H302 - Aquatic Acute 1, H400 - Aquatic Chronic 1, H410 - Eye Irrit. 2, H319 - Ox. Sol. 2, H272 - STOT SE 3, H335 | - |

(*) The complete text of the H phrases is given in section 16 of this Safety Data Sheet.

* See Regulation (EC) No. 1272/2008, Annex VI, section 1.2.

[1] Substance with a European Union exposure limit in the workplace (see section 8.1).

[2] Substance with a national workplace exposure limit (see section 8.1).

SECTION 4: FIRST AID MEASURES.

4.1 Description of first aid measures.

In case of doubt or when symptoms of feeling unwell persist, get medical attention. Never administer anything orally to persons who are unconscious.

Inhalation.

Take the victim into open air; keep them warm and calm. If breathing is irregular or stops, perform artificial respiration. Do not administer anything orally. If unconscious, place them in a suitable position and seek medical assistance.

-Continued on next page.-

SAFETY DATA SHEET

(in accordance with Regulation (EU) 2020/878)



ORTHAPRIME

Version 1 Date of compilation: 17/01/2020

Version 6 (replaces version 5)

Revision date: 24/10/2024

Page 3 of 12

Print date: 24/10/2024

Eye contact.

Remove contact lenses, if present and if it is easy to do. Wash eyes with plenty of clean and cool water for at least 10 minutes while pulling eyelids up, and seek medical assistance. Don't let the person to rub the affected eye.

Skin contact.

Remove contaminated clothing. Wash skin vigorously with water and soap or a suitable skin cleaner. NEVER use solvents or thinners.

Ingestion.

If accidentally ingested, seek immediate medical attention. Keep calm. NEVER induce vomiting.

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

Irritant Product, repeated or prolonged contact with skin or mucous membranes can cause redness, blisters or dermatitis, inhalation of spray mist or particles in suspension may cause irritation of the respiratory tract, some symptoms may not be immediate.

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

In case of doubt or when symptoms of feeling unwell persist, get medical attention. Never administer anything orally to persons who are unconscious. Cover the affected area with a dry sterile bandage. Protect the affected area from pressure or friction.

SECTION 5: FIREFIGHTING MEASURES.

The product is Highly inflammable, it can cause or considerably worsen a fire, the necessary prevention measures should be taken and risks avoided. In case of fire, the following measures are recommended:

5.1 Extinguishing media.

Suitable extinguishing media:

Extinguisher powder or CO2. In case of more serious fires, also alcohol-resistant foam and water spray.

Unsuitable extinguishing media:

Do not use a direct stream of water to extinguish. In the presence of electrical voltage, you cannot use water or foam as extinguishing media.

5.2 Special hazards arising from the substance or mixture.

Special risks.

Exposure to combustion or decomposition products can be harmful to your health.

During a fire and depending on its magnitude the following may occur:

- Flammable vapors or gases.

5.3 Advice for firefighters.

Use water to cool tanks, cisterns, or containers close to the heat source or fire. Take wind direction into account. Prevent the products used to fight the fire from going into drains, sewers, or waterways. Product residues and extinguishing media may contaminate the aquatic environment. Follow the instructions given in the emergency or fire evacuation plan or plans if available.

Fire protection equipment.

According to the size of the fire, it may be necessary to use protective suits against the heat, individual breathing equipment, gloves, protective goggles or facemasks, and boots. During extinction and depending on the magnitude and proximity to the fire, additional protective equipment such as chemical protection gloves, heat-reflecting suits or gas-tight suits may be required.

SECTION 6: ACCIDENTAL RELEASE MEASURES.

6.1 Personal precautions, protective equipment and emergency procedures.

Eliminate possible ignition points and ventilate the area. No smoking. Avoid breathing fumes. For exposure control and individual protection measures, see section 8.

6.2 Environmental precautions.

-Continued on next page.-

SAFETY DATA SHEET

(in accordance with Regulation (EU) 2020/878)



ORTHAPRIME

Version 1 Date of compilation: 17/01/2020

Version 6 (replaces version 5)

Revision date: 24/10/2024

Page 4 of 12

Print date: 24/10/2024

Product dangerous for the environment, in case of large spills or if the product contaminates lakes, rivers, or sewers, inform the responsible authorities according to local legislation. Prevent the contamination of drains, surface or subterranean waters, and the ground.

6.3 Methods and material for containment and cleaning up.

Contain and collect spillage with inert absorbent material (earth, sand, vermiculite, Kieselguhr...) and clean the area immediately with a suitable decontaminant.

Deposit waste in closed and suitable containers for disposal, in compliance with local and national regulations (see section 13).

6.4 Reference to other sections.

For exposure control and individual protection measures, see section 8.

For later elimination of waste, follow the recommendations under section 13.

SECTION 7: HANDLING AND STORAGE.

7.1 Precautions for safe handling.

The fumes are heavier than air and can spread across the ground. They can form explosive mixtures with air. Prevent the creation of flammable or explosive fume concentrations in the air; prevent fume concentrations above work exposure limits. The product must only be used in areas where all unprotected flames and other ignition points have been eliminated. Electrical equipment has to be protected according to applicable standards.

The product can be electrostatically charged: always use earth grounds when transferring the product. Operators must use anti-static footwear and clothing, and floors must be conductors.

Keep the container tightly closed and isolated from heat sources, sparks, and fire. Do not use tools that can cause sparks. For personal protection, see section 8.

In the application area, smoking, eating, and drinking must be prohibited.

Follow legislation on occupational health and safety.

Never use pressure to empty the containers. They are not pressure-resistant containers. Keep the product in containers made of a material identical to the original.

7.2 Conditions for safe storage, including any incompatibilities.

Store according to local legislation. Observe indications on the label. Store the containers between 5 and 25 °C, in a dry and well-ventilated place, far from sources of heat and direct solar light. Keep far away from ignition points. Keep away from oxidising agents and from highly acidic or alkaline materials. Do not smoke. Prevent the entry of non-authorised persons. Once the containers are open, they must be carefully closed and placed vertically to prevent spills.

Classification and threshold amount of storage in accordance with Annex I to Directive 2012/18/EU (SEVESO III):

| Code | Description | Qualifying quantity (tonnes) for the application of | |
|------|-------------------|---|-------------------------|
| | | Lower-tier requirements | Upper-tier requirements |
| P5b | FLAMMABLE LIQUIDS | 50 | 200 |

7.3 Specific end use(s).

See technical data sheet

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION.

8.1 Control parameters.

Work exposure limit for:

| Name | CAS No. | Country | Limit value | ppm | mg/m ³ |
|---------------|----------|--------------------|-------------|-----|-------------------|
| ethyl acetate | 141-78-6 | European Union [1] | Eight hours | 200 | 734 |
| | | | Short term | 400 | 1468 |

[1] According both Binding Occupational Exposure Limits (BOELVs) and Indicative Occupational Exposure Limits (IOELVs) adopted by Scientific Committee for Occupational Exposure Limits to Chemical Agents (SCOEL).

The product does NOT contain substances with Biological Limit Values.

-Continued on next page.-

SAFETY DATA SHEET

(in accordance with Regulation (EU) 2020/878)

ORTHAPRIME

Version 1 Date of compilation: 17/01/2020

Version 6 (replaces version 5)

Revision date: 24/10/2024

Page 5 of 12

Print date: 24/10/2024

Concentration levels DNEL/DMEL:

| Name | DNEL/DMEL | Type | Value |
|---|---------------------|---------------------------------------|------------------------------|
| ethyl acetate CAS No: 141-78-6 EC No: 205-500-4 | DNEL (Workers) | Inhalation, Chronic, Systemic effects | 734 (mg/m ³) |
| | DNEL (Workers) | Inhalation, Chronic, Local effects | 734 (mg/m ³) |
| | DNEL (Consumers) | Inhalation, Chronic, Local effects | 367 (mg/m ³) |
| | DNEL (Workers) | Inhalation, Short term, Local effects | 1468 (mg/m ³) |
| | DNEL (Consumers) | Inhalation, Short term, Local effects | 734 (mg/m ³) |
| | DNEL (Workers) | Dermal, Chronic, Systemic effects | 63 (mg/kg bw/day) |
| | DNEL (Consumers) | Dermal, Chronic, Systemic effects | 37 (mg/kg bw/day) |
| | | | |

DNEL: Derived No Effect Level, level of exposure to the substance below which adverse effects are not anticipated.

DMEL: Derived Minimal Effect Level, exposure level corresponding to a low risk, that risk should be considered a tolerable minimum.

Concentration levels PNEC:

| Name | Details | Value |
|---|------------------------------|--------------------------|
| ethyl acetate CAS No: 141-78-6 EC No: 205-500-4 | aqua (freshwater) | 0,24 (mg/L) |
| | aqua (marine water) | 0,024 (mg/L) |
| | aqua (intermittent releases) | 1,65 (mg/L) |
| | sediment (freshwater) | 1,15 (mg/L) |
| | sediment (marine water) | 0,115 (mg/L) |
| | Soil | 0,148 (mg/kg soil dw) |
| | STP | 650 (mg/L) |
| | oral (Hazard for predators) | 0,2 (g/kg food) |

PNEC: Predicted No Effect Concentration, concentration of the substance below which adverse effects are not expected in the environmental compartment.

8.2 Exposure controls.

Measures of a technical nature:

Provide adequate ventilation, which can be achieved by using good local exhaust-ventilation and a good general exhaust system.

| | |
|------------------------------|---|
| Concentration: | 100 % |
| Uses: | Not recommended for domestic use |
| Breathing protection: | |
| PPE: | Filter mask for protection against gases and particles. |
| Characteristics: | «CE» marking, category III. The mask must have a wide field of vision and an anatomically designed form in order to be sealed and watertight. |
| CEN standards: | EN 136, EN 140, EN 405 |
| Maintenance: | Should not be stored in places exposed to high temperatures and damp environments before use. Special attention should be paid to the state of the inhalation and exhalation valves in the face adaptor. |
| Observations: | Read carefully the manufacturer's instructions regarding the equipment's use and maintenance. Attach the necessary filters to the equipment according to the specific nature of the risk (Particles and aerosols: P1-P2-P3, Gases and vapours: A-B-E-K-AX), changing them as advised by the manufacturer. |
| Filter Type needed: | A2 |
| Hand protection: | |
| PPE: | Protective gloves. |
| Characteristics: | «CE» marking, category II. |
| CEN standards: | EN 374-1, EN 374-2, EN 374-3, EN 420 |



-Continued on next page.-

SAFETY DATA SHEET

(in accordance with Regulation (EU) 2020/878)



ORTHAPRIME

Version 1 Date of compilation: 17/01/2020

Version 6 (replaces version 5)

Revision date: 24/10/2024

Page 6 of 12

Print date: 24/10/2024

| | | | |
|-------------------------|--|---------------------------|-------|
| Maintenance: | Keep in a dry place, away from any sources of heat, and avoid exposure to sunlight as much as possible. Do not make any changes to the gloves that may alter their resistance, or apply paints, solvents or adhesives. | | |
| Observations: | Gloves should be of the appropriate size and fit the user's hand well, not being too loose or too tight. Always use with clean, dry hands. | | |
| Material: | PVC (polyvinyl chloride) | Breakthrough time (min.): | > 480 |
| | | Material thickness (mm): | 0,35 |
| Eye protection: | | | |
| PPE: | Face shield. | | |
| Characteristics: | «CE» marking, category II. Face and eye protector against splashing liquid. | | |
| CEN standards: | EN 165, EN 166, EN 167, EN 168 | | |
| Maintenance: | Visibility through lenses should be ideal. Therefore, these parts should be cleaned daily. Protectors should be disinfected periodically following the manufacturer's instructions. Make sure that mobile parts move smoothly. | | |
| Observations: | Face shields should offer a field of vision with a dimension in the central line of, at least, 150 mm vertically once attached to the frame. | | |
| Skin protection: | | | |
| PPE: | Anti-static protective clothing. | | |
| Characteristics: | «CE» marking, category II. Protective clothing should not be too tight or loose in order not to obstruct the user's movements. | | |
| CEN standards: | EN 340, EN 1149-1, EN 1149-2, EN 1149-3, EN 1149-5 | | |
| Maintenance: | In order to guarantee uniform protection, follow the washing and maintenance instructions provided by the manufacturer. | | |
| Observations: | The protective clothing should offer a level of comfort in line with the level of protection provided in terms of the hazard against which it protects, bearing in mind environmental conditions, the user's level of activity and the expected time of use. | | |
| PPE: | Anti-static safety footwear. | | |
| Characteristics: | «CE» marking, category II. | | |
| CEN standards: | EN ISO 13287, EN ISO 20344, EN ISO 20346 | | |
| Maintenance: | The footwear should be checked regularly | | |
| Observations: | The level of comfort during use and acceptability are factors that are assessed very differently depending on the user. Therefore, it is advisable to try on different footwear models and, if possible, different widths. | | |

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES.

9.1 Information on basic physical and chemical properties.

Physical state: Liquid

Colour: Incoloro

Odour: Not applicable/Not available due to the nature/properties of the product

Odour threshold: Not applicable/Not available due to the nature/properties of the product

Melting point: Not applicable/Not available due to the nature/properties of the product

Freezing point: Not applicable/Not available due to the nature/properties of the product

Boiling point or initial boiling point and boiling range: 77 °C (Estimation based on the indication of the Regulation (CE) N°1272/2008.)

Flammability: Not applicable/Not available due to the nature/properties of the product

Lower explosion limit: 2

Upper explosion limit: 12.8

Flash point: -4 °C (Estimation based on the indication of the Regulation (CE) N°1272/2008.)

Auto-ignition temperature: 427 °C

Decomposition temperature: Not applicable/Not available due to the nature/properties of the product

pH: 6

Kinematic viscosity: Not applicable/Not available due to the nature/properties of the product

Solubility: Not applicable/Not available due to the nature/properties of the product

Hydrosolubility: Reacciona con el agua

Liposolubility: Not applicable/Not available due to the nature/properties of the product

Partition coefficient n-octanol/water (log value): Not applicable/Not available due to the nature/properties of the product

Vapour pressure: 95,12 (Estimation based on the indication of the Regulation (CE) N°1272/2008.)

Absolute density: Not applicable/Not available due to the nature/properties of the product

-Continued on next page.-

SAFETY DATA SHEET

(in accordance with Regulation (EU) 2020/878)



ORTHAPRIME

Version 1 **Date of compilation: 17/01/2020**

Version 6 (replaces version 5)

Revision date: 24/10/2024

Page 7 of 12

Print date: 24/10/2024

Relative density: 0,9 (Estimations in base on the Regulation (CE) N°1272 / 2008 indications.)

Relative vapour density: 3.04

Particle characteristics: Not applicable/Not available due to the nature/properties of the product

9.2 Other information

Information with regard to physical hazard classes

Flammable liquids:

Sustained combustibility: Yes.

Other safety characteristics

Viscosity: 0.51 mPa.s a 20°C

SECTION 10: STABILITY AND REACTIVITY.

10.1 Reactivity.

The product does not present hazards by their reactivity.

10.2 Chemical stability.

Stable under the recommended handling and storage conditions (see section 7).

10.3 Possibility of hazardous reactions.

The product does not present possibility of hazardous reactions.

10.4 Conditions to avoid.

Avoid any improper handling.

10.5 Incompatible materials.

Keep away from oxidising agents and from highly alkaline or acidic materials in order to prevent exothermic reactions.

10.6 Hazardous decomposition products.

No decomposition if used for the intended uses.

SECTION 11: TOXICOLOGICAL INFORMATION.

IRRITANT MIXTURE. Splashes in the eyes can cause irritation.

IRRITANT MIXTURE. The inhalation of spray mist or suspended particulates can irritate the respiratory tract. It can also cause serious respiratory difficulties, central nervous system disorders, and in extreme cases, unconsciousness.

11.1 Information on hazard classes as defined in Regulation (EC) N° 1272/2008.

There are no tested data available on the product.

Repeated or prolonged contact with the product can cause the elimination of oil from the skin, giving rise to non-allergic contact dermatitis and absorption of the product through the skin.

a) acute toxicity;

Not conclusive data for classification.

Acute Toxicity Estimate (ATE):

Mixtures:

ATE (Oral) = 22.727 mg/kg

b) skin corrosion/irritation;

Not conclusive data for classification.

c) serious eye damage/irritation;

Product classified:

Eye irritation, Category 2: Causes serious eye irritation.

d) respiratory or skin sensitisation;

Not conclusive data for classification.

e) germ cell mutagenicity;

Not conclusive data for classification.

-Continued on next page.-

SAFETY DATA SHEET

(in accordance with Regulation (EU) 2020/878)



ORTHAPRIME

Version 1 Date of compilation: 17/01/2020

Version 6 (replaces version 5)

Revision date: 24/10/2024

Page 8 of 12

Print date: 24/10/2024

f) carcinogenicity;
Not conclusive data for classification.

g) reproductive toxicity;
Not conclusive data for classification.

h) STOT-single exposure;
Product classified:
Specific target organ toxicity following a single exposure, Category 3: May cause drowsiness or dizziness.

i) STOT-repeated exposure;
Not conclusive data for classification.

j) aspiration hazard;
Not conclusive data for classification.

11.2 Information on other hazards.

Endocrine disrupting properties

This product does not contain components with endocrine-disrupting properties with effects on human health.

Other information

There is no information available on other adverse health effects.

SECTION 12: ECOLOGICAL INFORMATION.

12.1 Toxicity.

No information is available regarding the ecotoxicity of the substances present.

12.2 Persistence and degradability.

No information is available regarding the biodegradability of the substances present.

No information is available on the degradability of the substances present.

No information is available about persistence and degradability of the product.

12.3 Bioaccumulative potential.

Information about the bioaccumulation of the substances present.

| Name | Bioaccumulation | | | |
|---|-----------------|-----|-------|----------|
| | Log Pow | BCF | NOECs | Level |
| ethyl acetate CAS No: 141-78-6 EC No: 205-500-4 | 0,73 | - | - | Very low |

12.4 Mobility in soil.

No information is available about the mobility in soil.

The product must not be allowed to go into sewers or waterways.

Prevent penetration into the ground.

12.5 Results of PBT and vPvB assessment.

No information is available about the results of PBT and vPvB assessment of the product.

12.6 Endocrine disrupting properties.

This product doesn't contain components with environmental endocrine disrupting properties.

12.7 Other adverse effects.

The product is not affected by the Regulation (EC) No 1005/2009 of the European Parliament and of the Council of 16 September 2009 on substances that deplete the ozone layer.

No information is available about other adverse effects for the environment.

-Continued on next page.-

SAFETY DATA SHEET

(in accordance with Regulation (EU) 2020/878)

ORTHAPRIME

Version 1 Date of compilation: 17/01/2020

Version 6 (replaces version 5)

Revision date: 24/10/2024

Page 9 of 12

Print date: 24/10/2024

SECTION 13: DISPOSAL CONSIDERATIONS.

13.1 Waste treatment methods.

Do not dump into sewers or waterways. Waste and empty containers must be handled and eliminated according to current, local/national legislation.

Follow the provisions of Directive 2008/98/EC regarding waste management.

SECTION 14: TRANSPORT INFORMATION.

Transport following ADR rules for road transport, RID rules for railway, ADN for inner waterways, IMDG for sea, and ICAO/IATA for air transport.

Land: Transport by road: ADR, Transport by rail: RID.

Transport documentation: Consignment note and written instructions

Sea: Transport by ship: IMDG.

Transport documentation: Bill of lading

Air: Transport by plane: ICAO/IATA.

Transport document: Airway bill.

14.1 UN number or ID number.

UN No: UN1993

14.2 UN proper shipping name.

Description:

ADR/RID: UN 1993, FLAMMABLE LIQUID, N.O.S. (CONTAINS ETHYL ACETATE), 3, PG II, (D/E)

IMDG: UN 1993, FLAMMABLE LIQUID, N.O.S. (CONTAINS ETHYL ACETATE), 3, PG II

ICAO/IATA: UN 1993, FLAMMABLE LIQUID, N.O.S. (CONTAINS ETHYL ACETATE), 3, PG II

14.3 Transport hazard class(es).

Class(es): 3

14.4 Packing group.

Packing group: II

14.5 Environmental hazards.

Marine pollutant: No

Transport by ship, FEm – Emergency sheets (F – Fire, S - Spills): F-E, S-E

14.6 Special precautions for user.

Labels: 3



Hazard number: 33

Provisions concerning carriage in bulk ADR: Not authorized carriage in bulk in accordance with ADR.

Proceed in accordance with point 6.

ADR LQ: 1 L

IMDG LQ: 1 L

ICAO LQ: 1 L

14.7 Maritime transport in bulk according to IMO instruments.

The product is not transported in bulk.

SECTION 15: REGULATORY INFORMATION.

SAFETY DATA SHEET

(in accordance with Regulation (EU) 2020/878)



ORTHAPRIME

Version 1 Date of compilation: 17/01/2020

Version 6 (replaces version 5)

Revision date: 24/10/2024

Page 10 of 12

Print date: 24/10/2024

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

Volatile organic compound (VOC)

VOC content (p/p): 97,8 %

VOC content: 97,8 g/l

The product is not affected by Regulation (EU) No 528/2012 concerning the making available on the market and use of biocidal products.

The product is not affected by the procedure established Regulation (EU) No 649/2012, concerning the export and import of dangerous chemicals.

Restrictions on the manufacturing, placing on the market and use of certain dangerous substances, mixtures and articles:

| Designation of the substance, of the group of substances or of the mixture | Conditions of restriction |
|---|--|
| 3. Liquid substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: (a) hazard classes 2.1 to 2.4, 2.6 and 2.7, 2.8 types A and B, 2.9, 2.10, 2.12, 2.13 categories 1 and 2, 2.14 categories 1 and 2, 2.15 types A to F; (b) hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or on development, 3.8 effects other than narcotic effects, 3.9 and 3.10; (c) hazard class 4.1; (d) hazard class 5.1. | 1. Shall not be used in: - ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays, - tricks and jokes, - games for one or more participants, or any article intended to be used as such, even with ornamental aspects, 2. Articles not complying with paragraph 1 shall not be placed on the market. 3. Shall not be placed on the market if they contain a colouring agent, unless required for fiscal reasons, or perfume, or both, if they: - can be used as fuel in decorative oil lamps for supply to the general public, and, - present an aspiration hazard and are labelled with H304, 4. Decorative oil lamps for supply to the general public shall not be placed on the market unless they conform to the European Standard on Decorative oil lamps (EN 14059) adopted by the European Committee for Standardisation (CEN). 5. Without prejudice to the implementation of other Community provisions relating to the classification, packaging and labelling of dangerous substances and mixtures, suppliers shall ensure, before the placing on the market, that the following requirements are met: (a) lamp oils, labelled with H304, intended for supply to the general public are visibly, legibly and indelibly marked as follows: 'Keep lamps filled with this liquid out of the reach of children'; and, by 1 December 2010, 'Just a sip of lamp oil - or even sucking the wick of lamps - may lead to life-threatening lung damage'; (b) grill lighter fluids, labelled with H304, intended for supply to the general public are legibly and indelibly marked by 1 December 2010 as follows: 'Just a sip of grill lighter may lead to life threatening lung damage'; (c) lamp oils and grill lighters, labelled with H304, intended for supply to the general public are packaged in black opaque containers not exceeding 1 litre by 1 December 2010. |

Kind of pollutant to water (Germany): WGK 1: Slightly hazardous to water. (Autoclassified according to the AwSV Regulations)

15.2 Chemical safety assessment.

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

SECTION 16: OTHER INFORMATION.

Complete text of the H phrases that appear in section 3:

H225 Highly flammable liquid and vapour.
H272 May intensify fire; oxidiser.
H302 Harmful if swallowed.

-Continued on next page.-

SAFETY DATA SHEET

(in accordance with Regulation (EU) 2020/878)

ORTHAPRIME

Version 1 **Date of compilation: 17/01/2020**

Version 6 (replaces version 5)

Revision date: 24/10/2024

Page 11 of 12

Print date: 24/10/2024

| | |
|------|---|
| H319 | Causes serious eye irritation. |
| H335 | May cause respiratory irritation. |
| H336 | May cause drowsiness or dizziness. |
| H400 | Very toxic to aquatic life. |
| H410 | Very toxic to aquatic life with long lasting effects. |

Classification codes:

Acute Tox. 4 : Acute toxicity (Oral), Category 4
Aquatic Acute 1 : Acute toxicity to the aquatic environment, Category 1
Aquatic Chronic 1 : Chronic effect to the aquatic environment, Category 1
Aquatic Chronic 3 : Chronic effect to the aquatic environment, Category 3
Eye Irrit. 2 : Eye irritation, Category 2
Flam. Liq. 2 : Flammable liquid, Category 2
Ox. Sol. 2 : Oxidising solid, Category 2
STOT SE 3 : Specific target organ toxicity following a single exposure, Category 3

Changes regarding to the previous version:

- Changes in the information of the supplier (SECTION 1.3).
- National legislative changes (SECTION 15.1).
- Elimination of abbreviations and acronyms (SECTION 16).

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

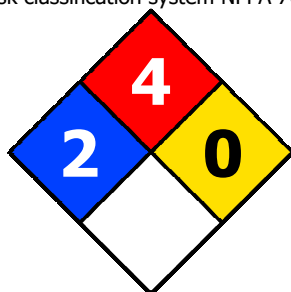
| | |
|-----------------------|-----------------------|
| Physical hazards | On basis of test data |
| Health hazards | Calculation method |
| Environmental hazards | Calculation method |

It is advisable to carry out basic training with regard to health and safety at work in order to handle this product correctly.

Information on the TSCA Inventory (Toxic Substances Control Act) USA:

| CAS No | Name | State |
|----------|--|------------|
| 141-78-6 | ethyl acetate | Registered |
| 87-90-1 | symclosene, trichloroisocyanuric acid, trichloro-1,3,5-triazinetriol | Registered |

Risk classification system NFPA 704:



Health hazard: 2 (Hazardous)

Flammability: 4 (Below 73°F)

Reactivity: 0 (Stable)

Abbreviations and acronyms used:

| | |
|-------|---|
| ADR: | Agreement concerning the International Carriage of Dangerous Goods by Road. |
| AwSV: | Facility Regulations for handling substances that are hazardous for the water. |
| BCF: | Bioconcentration factor. |
| CEN: | European Committee for Standardization. |
| DMEL: | Derived Minimal Effect Level, exposure level corresponding to a low risk, that risk should be |

-Continued on next page.-

SAFETY DATA SHEET

(in accordance with Regulation (EU) 2020/878)



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Version 6 (replaces version 5)

Revision date: 24/10/2024

Page 12 of 12

Print date: 24/10/2024

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| | considered a tolerable minimum. |
| DNEL: | Derived No Effect Level, level of exposure to the substance below which adverse effects are not anticipated. |
| EC50: | Half maximal effective concentration. |
| PPE: | Personal protection equipment. |
| IATA: | International Air Transport Association. |
| ICAO: | International Civil Aviation Organization. |
| IMDG: | International Maritime Code for Dangerous Goods. |
| LC50: | Lethal concentration, 50%. |
| LD50: | Lethal dose, 50%. |
| NOEC: | No observed effect concentration. |
| PNEC: | Predicted No Effect Concentration, concentration of the substance below which adverse effects are not expected in the environmental compartment. |
| RID: | Regulations Concerning the International Transport of Dangerous Goods by Rail. |
| WGK: | Water hazard classes. |

Key literature references and sources for data:

<http://eur-lex.europa.eu/homepage.html>

<http://echa.europa.eu/>

Regulation (EU) 2020/878.

Regulation (EC) No 1907/2006.

Regulation (EC) No 1272/2008.

The information given in this Safety Data Sheet has been drafted in accordance with COMMISSION REGULATION (EU) 2020/878 of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemical substances and mixtures (REACH).

The information in this Safety Data Sheet on the Preparation is based on current knowledge and on current EC and national laws, as far as the working conditions of the users is beyond our knowledge and control. The product must not be used for purposes other than those that are specified without first having written instructions on how to handle. It is always the responsibility of the user to take the appropriate measures in order to comply with the requirements established by current legislation. The information contained in this Safety Sheet only states a description of the safety requirements for the preparation, and it must not be considered as a guarantee of its properties.