

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006
(amended by Regulation (EU) 2015/830)

EXY 09

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name EXY 09

Product code None.

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

Use of the Substance/Mixture Industrial uses
A component of a polyurethane system.

1.3. Details of the supplier of the safety data sheet

Company/Undertaking Identification HONTER COMPANY s.r.o.
Na Strži 1702/65, Nusle
140 00, Prague 4
Czech Republic
Tel.: +420 773 581 581
E-mail: info@honter.eu
www.honter.eu

1.4. Emergency telephone number +420 773 581 581

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Version REACH GHS/CLP

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 Acute toxicity, oral, Cat. 4, H302
Skin corrosion/irritation, Cat. 2, H315
Serious eye damage/eye irritation, Cat. 1, H318

Additional information For the full text of the phrases mentioned in this Section, see

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Section 16.

2.2. Label elements



Signal Word

Danger

Hazard Statements

H302: Harmful if swallowed.
H315: Causes skin irritation.
H318: Causes serious eye damage.

Precautionary statements

P264: Wash skin thoroughly after handling.
P280: Wear protective gloves/ eye protection/ face protection.
P301 + P312: IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.
P302 + P352: IF ON SKIN: Wash with plenty of soap and water.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P501: Dispose of contents/ container to an approved waste disposal plant.

Supplemental information

None.

Product identifier

Tris(2-chlor-1-methylethyl)phosphat, CAS-No. 13674-84-5, EC-No. 237-158-7, REACH No. 01-2119486772-26-0000
Alkohol, C9 - C11, ethoxyliert, CAS-No. 68439-46-3

2.3. Other hazards

None known.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Mixture.

Components		CLP Classification	Product identifier
Tris(2-chlor-1-methylethyl)phosphat	25% - 50%	Acute Tox. 4 H302	CAS-No.: 13674-84-5 EC-No.: 237-158-7 REACH No.: 01-2119486772-26-0000
Alkohol, C9 - C11, ethoxyliert	10% - 25%	Acute Tox. 4 H302, Eye Dam. 1 H318	CAS-No.: 68439-46-3 Index-No: Polymer
Bis(Dimethylaminoethyl)Ether	1% - 5%	Acute Tox. 4 H302, Acute Tox. 3 H311, Acute Tox. 4 H332, Skin Corr. 1B H314	CAS-No.: 3033-62-3 Index-No: 221-220-5
2-[[2-(Dimethylamino)ethyl]methylamino]ethanol	1% - 5%	Acute Tox. 4 H302, Skin Irrit. 2 H315, Eye Dam. 1 H318, STOT SE 3 H335	CAS-No.: 2212-32-0 Index-No: 218-658-4

For the full text of the phrases mentioned in this Section, see Section 16.

Hazardous impurities

None known.

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SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation	Move to fresh air in case of accidental inhalation of vapours or decomposition products. Call a physician or poison control centre immediately.
Skin contact	Immediate medical treatment is necessary as untreated wounds from corrosion of the skin heal slowly and with difficulty.
Eye contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Protect unharmed eye. Consult an ophthalmologist.
Ingestion	Clean mouth with water and drink afterwards plenty of water. Prevent vomiting if possible. If swallowed, seek medical advice immediately and show this container or label.

4.2. Most important symptoms and effects, both acute and delayed Causes severe burns.

4.3. Indication of any immediate medical attention and special treatment needed None known.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media Use dry chemical, CO₂, water spray or alcohol foam.

Extinguishing media which must not be used for safety reasons High volume water jet.

5.2. Special hazards arising from the substance or mixture During a fire, smoke may contain the original material in addition to unidentified toxic and/or irritating compounds. Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

5.3. Advice for firefighters

Special protective equipment for firefighters Standard procedure for chemical fires. In the event of fire, wear self-contained breathing apparatus. Complete suit protecting against chemicals.

Specific methods Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Advice for non-emergency personnel

Use personal protective equipment. Avoid contact with skin and eyes. Do not breathe vapours/dust.

Advice for emergency responders

Use personal protective equipment. Do not breathe vapours/dust. Immediately evacuate personnel to safe areas. Ventilate the area.

6.2. Environmental precautions

Do not flush into surface water or sanitary sewer system.

6.3. Methods and material for containment and cleaning up

Clean up promptly by sweeping or vacuum. Keep in suitable and closed containers for disposal. Soak up with inert absorbent material.

6.4. Reference to other sections

See chapter 8 and 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Wear personal protective equipment. Plan first aid action before beginning work with this product. Ingestion, exposure to skin and eyes and inhalation of any generated vapours should be avoided.

7.2. Conditions for safe storage, including any incompatibilities

The product is hygroscopic. Store in a place accessible by authorized persons only. Keep container tightly closed. Store in original container.

7.3. Specific end use(s)

No information available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limit(s)

No data is available on the product itself.

8.2. Exposure controls

Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice. Ensure adequate ventilation, especially in confined areas. Regular cleaning of equipment, work area and clothing.

Personal protection equipment

<i>Respiratory protection</i>	In case of insufficient ventilation wear suitable respiratory equipment. Respirator with combination filter for vapour/particulate (EN 14387).
<i>Hand protection</i>	The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.
<i>Eye protection</i>	Safety glasses with side-shields conforming to EN166.
<i>Skin and body protection</i>	Long sleeved clothing. Choose body protection according to the amount and concentration of the dangerous substance at the work place.
<i>Thermal hazards</i>	No special measures required.

Environmental exposure controls Prevent product from entering surface water or sewage.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Appearance	Liquid.
Colour	Orange.
Odour	Characteristic.
Odour Threshold	not determined
pH:	not applicable
Melting point/range:	< 0 °C
Boiling point/range:	not determined
Flash point:	> 65 °C
Evaporation Rate:	not determined
Flammability:	not applicable
Explosion limits:	not determined
Vapour pressure:	not determined
Vapor density:	not determined
Relative density:	see product data sheet
Water solubility:	partly soluble
Partition coefficient (n-octanol/water):	not determined
Autoignition temperature:	not determined
Decomposition temperature:	not determined
Viscosity:	see product data sheet
Explosive properties:	not determined
Oxidising properties:	None

9.2. Other information

General Product Characteristics	No information available.
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SECTION 10: Stability and reactivity

10.1. Reactivity	Reacts with isocyanate.
10.2. Chemical stability	No decomposition if used as directed.
10.3. Possibility of hazardous reactions	No if used as directed.
10.4. Conditions to avoid	Burning produces obnoxious and toxic fumes.
10.5. Incompatible materials	ferrous metals, alloys and galvanized surfaces Corrodes base metals.
10.6. Hazardous decomposition products	None under normal use. In the event of fire the following can be released: COx, NOx, SiOx.

SECTION 11: Toxicological information**11.1. Information on toxicological effects**

Acute toxicity	Tris(2-chlor-1-methylethyl)phosphat (CAS 13674-84-5) Dermal LD50 Rabbit > 5000 mg/kg (EU_RAR) Inhalation LC50 Rat > 5.05 mg/L 4 h(EU_RAR) Oral LD50 Rat = 1500 mg/kg (NLM_CIP) Alkohol, C9 - C11, ethoxyliert (CAS 68439-46-3) Oral LD50 Rat = 1400 mg/kg (NZ_CCID) Bis(Dimethylaminoethyl)Ether (CAS 3033-62-3) Dermal LD50 Rabbit = 238 mg/kg (JAPAN_GHS) Inhalation LC50 Rat = 117 ppm 6 h(JAPAN_GHS) Oral LD50 Rat = 910 mg/kg (JAPAN_GHS)
Skin corrosion/irritation	Causes skin irritation.
Serious eye damage/eye irritation	Serious eye damage/eye irritation
Respiratory / Skin Sensitisation	None.
Carcinogenicity	Based on available data, the classification criteria are not met.
Germ cell mutagenicity	Based on available data, the classification criteria are not met.
Reproductive toxicity	Based on available data, the classification criteria are not met.
Specific target organ toxicity (single exposure)	No data available.
Specific target organ toxicity (repeated exposure)	No data available.
Aspiration hazard	No data available.
Human experience	No data available.

SECTION 12: Ecological information

12.1. Toxicity No data is available on the product itself. May change pH of waters.

Tris(2-chlor-1-methylethyl)phosphat (CAS 13674-84-5)

Ecotoxicity - Freshwater Fish - LC50 96 h Brachydanio rerio 56.2 mg/L [static]
Acute Toxicity Data LC50 96 h Pimephales promelas 98 mg/L [static]

LC50 96 h Poecilia reticulata 30 mg/L [static]
Ecotoxicity - Water Flea - Acute EC50 48 h Daphnia magna 63 mg/L (IUCLID)
Toxicity Data

Ecotoxicity - Freshwater Algae - EC50 72 h Desmodesmus subspicatus 45 mg/L (IUCLID)
Acute Toxicity Data EC50 96 h Pseudokirchneriella subcapitata 4 mg/L (IUCLID)

Alkohol, C9 - C11, ethoxyliert (CAS 68439-46-3)

EU - Ecolabel (66/2010) - Biodegradable under anaerobic conditions. (listed under Alcohol
Detergent Ingredient Database - ethoxylate (C9-11, DID-no 021 >3-6 ethoxylated units, DID-no 022
Anaerobic Degradation >6-10 ethoxylated units) predominantly linear)

EU - Ecolabel (66/2010) - Readily biodegradable according to OECD guidelines. (listed under
Detergent Ingredient Database - Alcohol ethoxylate (C9-11, DID-no 021 >3-6 ethoxylated units, DID-
Aerobic Degradation no 022 >6-10 ethoxylated units) predominantly linear)

12.2. Persistence and degradability Expected to be biodegradable. Neutralization is normally necessary before waste water is discharged into water treatment plants.

12.3. Bioaccumulative potential Bioaccumulation is unlikely.

12.4. Mobility in soil No data available.

12.5. Results of PBT and vPvB assessment No information available.

12.6. Other adverse effects No information available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste from residues / unused products Dispose of in accordance with local regulations.

Contaminated packaging Dispose of as unused product. Offer rinsed packaging material to local recycling facilities.

SECTION 14: Transport information

ADR/RID Not regulated.

IMDG Not regulated.

IATA	Not regulated.
Further Information	Not classified as dangerous in the meaning of transport regulations.

SECTION 15: Regulatory information

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

Regulatory Information The product contains organic halogens.

Tris(2-chlor-1-methylethyl)phosphat (CAS 13674-84-5)

TEDX (The Endocrine Disruption Exchange) - Potential Endocrine Disruptors Present

EU - REACH (1907/2006) - List of Registered Substances Present

Alkohol, C9 - C11, ethoxyliert (CAS 68439-46-3)

EU - REACH (1907/2006) - List of Registered Intermediates Present (<2.5 EO, [614-482-0])

Bis(Dimethylaminoethyl)Ether (CAS 3033-62-3)

EU - REACH (1907/2006) - List of Registered Substances Present

15.2. Chemical safety assessment Not required.

SECTION 16: Other information

Revision Note Safety datasheet sections which have been updated: .

Key or legend to abbreviations and acronyms None.

Full text of phrases referred to under sections 2 and 3

H302: Harmful if swallowed.
H311: Toxic in contact with skin.
H314: Causes severe skin burns and eye damage.
H315: Causes skin irritation.
H318: Causes serious eye damage.
H332: Harmful if inhaled.
H335: May cause respiratory irritation.

Further information Take notice of the directions of use on the label.

Disclaimer

This safety datasheet only contains information relating to safety and does not replace any product information or product specification. 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.