

# SAFETY DATA SHEET

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

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## EXY 09 Plus+

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

#### 1.1. Product identifier

**Product name** EXY 09 Plus+

**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 Strzi 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

**Issuing date** 10.04.2018

**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  
Hazardous to the aquatic environment, chronic, Cat. 3, H412

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

### 2.2. Label elements



**Signal Word** Danger

**Hazard Statements** H302: Harmful if swallowed.  
H315: Causes skin irritation.  
H318: Causes serious eye damage.  
H412: Harmful to aquatic life with long lasting effects.

**Precautionary statements** P264: Wash skin thoroughly after handling.  
P273: Avoid release to the environment.  
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.  
P501: Dispose of contents/ container to an approved waste disposal plant.

**Supplemental information** None.

**Product identifier** 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
Halogeniertes Polyetherpolyol	5% - 10%	Acute Tox. 4 H302	CAS-No.: 68441-62-3
Alkohol, C9 - C11, ethoxyliert	10% - 25%	Acute Tox. 4 H302, Eye Dam. 1 H318	CAS-No.: 68439-46-3 Index-No: Polymer
Tris(2-chlor-1-methylethyl)phosphat	10% - 25%	Acute Tox. 4 H302	CAS-No.: 13674-84-5 EC-No.: 237-158-7 REACH No.: 01-2119486772-26-0000

Ethanol, 2-[2-(dimethylamino)ethoxy]-	1% - 5%	Skin Corr. 1B H314, Acute Tox. 4 H312	CAS-No.: 1704-62-7 Index-No: 216-940-1
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
Diethylmethylbenzendiamin	1% - 5%	Acute Tox. 4 H302, Acute Tox. 4 H312, Eye Irrit. 2 H319, STOT RE 2 H373, Aquatic Acute 1 H400, Aquatic Chronic 1 H410	CAS-No.: 68479-98-1 Index-No: 270-877-4 REACH No.: 01-2119486805-25-xxxx

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

**Hazardous impurities** None known.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

<b>Inhalation</b>	Move to fresh air in case of accidental inhalation of dust or fumes from overheating or combustion. Call a physician or poison control centre immediately.
<b>Skin contact</b>	Immediate medical treatment is necessary as untreated wounds from corrosion of the skin heal slowly and with difficulty.
<b>Eye contact</b>	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Protect unharmed eye. Consult an ophthalmologist.
<b>Ingestion</b>	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** Non-specific discomfort. Get medical advice/ attention if you feel unwell. Most important symptoms: Erythema. Anticipated acute effects: Superficial burning sensation. Blurred vision.

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

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## **SECTION 5: Firefighting measures**

### **5.1. Extinguishing media**

**Suitable extinguishing media** Use water spray, alcohol-resistant foam, dry extinguishing agent or carbon dioxide.

**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.

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## **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. Advise water authority if spillage has entered water course or drainage 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.

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## SECTION 7: Handling and storage

<b>7.1. Precautions for safe handling</b>	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.
<b>7.2. Conditions for safe storage, including any incompatibilities</b>	The product is hygroscopic. Store in a place accessible by authorized persons only. Keep container tightly closed. Store in original container.
<b>7.3. Specific end use(s)</b>	No information available.

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## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

**Exposure limit(s)** No data is available on the product itself.

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

Belgium - Occupational Exposure Limits - TWAs	0.05 ppm TWA 0.33 mg/m <sup>3</sup> TWA
Belgium - Occupational Exposure Limits - STELs	0.15 ppm STEL 1 mg/m <sup>3</sup> STEL
Ireland - Occupational Exposure Limits - TWAs	0.05 ppm TWA
Ireland - Occupational Exposure Limits - STELs	0.15 ppm STEL
Portugal - Occupational Exposure Limits - TWAs (VLE-MPs)	0.05 ppm TWA [VLE-MP]
Portugal - Occupational Exposure Limits - STELs (VLE-CDs)	0.15 ppm STEL [VLE-CD]

### 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. Gloves made of Chloroprene.
<i>Eye protection</i>	Safety glasses with side-shields conforming to EN166. Tightly fitting safety goggles.
<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.

*Thermal hazards*

No special measures required.

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

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## **SECTION 9: Physical and chemical properties**

### **9.1. Information on basic physical and chemical properties**

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

### **9.2. Other information**

**General Product Characteristics** No information available.

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## **SECTION 10: Stability and reactivity**

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

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## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

<b>Acute toxicity</b>	Harmful if swallowed. <b>Alkohol, C9 - C11, ethoxyliert (CAS 68439-46-3)</b> Oral LD50 Rat = 1400 mg/kg (NZ_CCID) <b>Tris(2-chlor-1-methylethyl)phosphat (CAS 13674-84-5)</b> 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) <b>Ethanol, 2-[2-(dimethylamino)ethoxy]- (CAS 1704-62-7)</b> Oral LD50 Rat = 2460 µL/kg (NLM_CIP) <b>Bis( Dimethylaminoethyl)Ether (CAS 3033-62-3)</b> 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) <b>Diethylmethylbenzendiamin (CAS 68479-98-1)</b> Dermal LD50 Rabbit = 700 mg/kg (NZ_CCID) Oral LD50 Rat = 485 mg/kg (NZ_CCID)
<b>Skin corrosion/irritation</b>	Causes skin irritation.
<b>Serious eye damage/eye irritation</b>	Causes serious eye damage.
<b>Respiratory / Skin Sensitisation</b>	None.
<b>Carcinogenicity</b>	Based on available data, the classification criteria are not met.
<b>Germ cell mutagenicity</b>	Based on available data, the classification criteria are not met.
<b>Reproductive toxicity</b>	Based on available data, the classification criteria are not met.
<b>Specific target organ toxicity (single exposure)</b>	No data available.
<b>Specific target organ toxicity (repeated exposure)</b>	No data available.
<b>Aspiration hazard</b>	No data available.
<b>Human experience</b>	No data available.

## SECTION 12: Ecological information

**12.1. Toxicity** No data is available on the product itself. May change pH of waters.  
Harmful to aquatic life with long lasting effects.

**Alkohol, C9 - C11, ethoxyliert (CAS 68439-46-3)**  
EU - Ecolabel (66/2010) - Biodegradable under anaerobic conditions. (listed under Alkohol)

Detergent Ingredient Database - Anaerobic Degradation	ethoxylate (C9-11, DID-no 021 >3-6 ethoxylated units, DID-no 022 >6-10 ethoxylated units) predominantly linear)
EU - Ecolabel (66/2010) - Detergent Ingredient Database - Aerobic Degradation	Readily biodegradable according to OECD guidelines. (listed under Alcohol ethoxylate (C9-11, DID-no 021 >3-6 ethoxylated units, DID-no 022 >6-10 ethoxylated units) predominantly linear)
<b>Tris(2-chlor-1-methylethyl)phosphat (CAS 13674-84-5)</b>	
Ecotoxicity - Freshwater Fish - Acute Toxicity Data	LC50 96 h Brachydanio rerio 56.2 mg/L [static] LC50 96 h Pimephales promelas 98 mg/L [static] LC50 96 h Poecilia reticulata 30 mg/L [static] EC50 48 h Daphnia magna 63 mg/L (IUCLID)
Ecotoxicity - Water Flea - Acute Toxicity Data	
Ecotoxicity - Freshwater Algae - Acute Toxicity Data	EC50 72 h Desmodesmus subspicatus 45 mg/L (IUCLID) EC50 96 h Pseudokirchneriella subcapitata 4 mg/L (IUCLID)
<b>12.2. Persistence and degradability</b>	Neutralization is normally necessary before waste water is discharged into water treatment plants. Not readily biodegradable.
<b>12.3. Bioaccumulative potential</b>	The product may be accumulated in organisms.
<b>12.4. Mobility in soil</b>	No data available.
<b>12.5. Results of PBT and vPvB assessment</b>	No information available.
<b>12.6. Other adverse effects</b>	No information available.

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## **SECTION 13: Disposal considerations**

### **13.1. Waste treatment methods**

<b>Waste from residues / unused products</b>	Dispose of in accordance with local regulations.
<b>Contaminated packaging</b>	Dispose of as unused product. Offer rinsed packaging material to local recycling facilities.

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## **SECTION 14: Transport information**

<b>ADR/RID</b>	Not regulated.
<b>IMDG</b>	Not regulated.
<b>IATA</b>	Not regulated.
<b>Further Information</b>	None.



## SECTION 15: Regulatory information

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

**Regulatory Information** Water contaminating class (WGK Germany) = 2 (water contaminating).  
The product contains organic halogens.  
Water contaminating class (WGK Germany) = 2.

**Halogeniertes Polyetherpolyol (CAS 68441-62-3)**

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

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

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

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

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

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

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

**Ethanol, 2-[2-(dimethylamino)ethoxy]- (CAS 1704-62-7)**

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

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

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

**2-[[2-(Dimethylamino)ethyl]methylamino]ethanol (CAS 2212-32-0)**

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

**Diethylmethylbenzendiamin (CAS 68479-98-1)**

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

**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.  
H312: Harmful in contact with skin.  
H314: Causes severe skin burns and eye damage.  
H315: Causes skin irritation.  
H318: Causes serious eye damage.  
H319: Causes serious eye irritation.  
H332: Harmful if inhaled.  
H335: May cause respiratory irritation.

H373: May cause damage to organs through prolonged or repeated exposure.

H400: Very toxic to aquatic life.

H410: Very toxic to aquatic life with long lasting effects.

H412: Harmful to aquatic life with long lasting effects.

**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.