

SAFETY DATA SHEET

# Polinum Luxor

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

### 1.1. Product identifier

*Trade name:* Polinum Luxor  
*Product no.:* AF85731-AF85751

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

*Relevant identified uses of the substance or mixture:* Grinding/Polishing  
Restricted to professional users.  
*Uses advised against :* None known.

### 1.3. Details of the supplier of the safety data sheet

*Company and address:* **Aktiv Guld A/S**  
Vallensbækvej 46  
2625 Vallensbæk  
Denmark  
+45 43 66 20 00  
<https://www.aktivguld.com/>  
*E-mail:* ag@aktivguld.com  
*Revision:* 03/09/2025  
*SDS Version:* 6.0  
*Date of previous version:* 08/08/2025 (6.0)

### 1.4. Emergency telephone number

Contact the poison hotline: +45 82 12 12 12 (24 hour service)  
See section 4 "First aid measures".

## SECTION 2: HAZARDS IDENTIFICATION

### 2.1. Classification of the substance or mixture

Not classified according to Regulation (EC) No. 1272/2008 (CLP).

### 2.2. Label elements

*Hazard pictogram(s):* Not applicable.  
*Signal word:* Not applicable.

<i>Hazard statement(s):</i>	Not applicable.
<i>Precautionary statement(s):</i>	
<i>General:</i>	Not applicable.
<i>Prevention:</i>	Not applicable.
<i>Response:</i>	Not applicable.
<i>Storage:</i>	Not applicable.
<i>Disposal:</i>	Not applicable.
<i>Hazardous substances:</i>	Aluminium oxide
▼ <i>Additional labelling:</i>	EUH210, Safety data sheet available on request.

### 2.3. Other hazards

<i>Additional warnings:</i>	This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification. This product does not contain any substances considered to be endocrine disruptors in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2023/707.
-----------------------------	--

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1. Substances

Not applicable. This product is a mixture.

### 3.2. Mixtures

Does not contain any substances required to report

See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.

### Other information

-

## SECTION 4: FIRST AID MEASURES

### 4.1. Description of first aid measures

<i>General information:</i>	In the case of accident: Contact a doctor or casualty department – take the label or this safety data sheet. Contact a doctor if in doubt about the injured person's condition or if the symptoms persist. Never give an unconscious person water or other drink.
-----------------------------	---



According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

<i>Inhalation:</i>	In case of discomfort: bring the person into fresh air.
<i>Skin contact:</i>	Upon irritation: rinse with water. In the event of continued irritation, seek medical assistance.
<i>Eye contact:</i>	Rinse gently with lukewarm water. Remove any contact lenses if this is easy to do. Continue rinsing. In case of persistent eye irritation or discomfort: Seek medical help.
<i>Ingestion:</i>	Rinse and flush mouth thoroughly and consume large quantities of water. In case of continued discomfort: seek medical assistance and bring this safety data sheet.
<i>Burns:</i>	Not applicable.

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

None known.

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

Treat symptomatically.

#### **Information to medics**

Bring this safety data sheet or the label from this product.

### **SECTION 5: FIREFIGHTING MEASURES**

#### **5.1. Extinguishing media**

Suitable extinguishing media: Alcohol-resistant foam, carbon dioxide, powder, water mist. Unsuitable extinguishing media: Waterjets should not be used, since they can spread the fire.

#### **5.2. Special hazards arising from the substance or mixture**

Fire will result in dense smoke. Exposure to combustion products may harm your health. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fire-extinguishing water to enter the sewage system and nearby surface waters. If the product is exposed to high temperatures, e.g. in the event of fire, dangerous decomposition compounds are produced. These are:  
Some metal oxides

#### **5.3. Advice for firefighters**

No specific requirements.

### **SECTION 6: ACCIDENTAL RELEASE MEASURES**

#### **6.1. Personal precautions, protective equipment and emergency procedures**

Ensure adequate ventilation, especially in confined areas.  
Contaminated areas may be slippery.

#### **6.2. Environmental precautions**

Avoid discharge to lakes, streams, sewers, etc.

Keep unauthorized persons away from the spill

### 6.3. Methods and material for containment and cleaning up

Limit spillage, sweep up and shovel into appropriate containers for disposal. Store in suitable, closed containers for disposal.

Wherever possible cleaning should be performed with normal cleaning agents. Avoid use of solvents.

### 6.4. Reference to other sections

See section 13 "Disposal considerations" on handling of waste.

See section 8 "Exposure controls/personal protection" for protective measures.

## SECTION 7: HANDLING AND STORAGE

### 7.1. Precautions for safe handling

Smoking, drinking and consumption of food is not allowed in the work area.

See section 8 "Exposure controls/personal protection" for information on personal protection.

### 7.2. Conditions for safe storage, including any incompatibilities

No special conditions required.

*Recommended storage material:* Always store in containers of the same material as the original container.

*Storage conditions:* No specific requirements.

*Incompatible materials:* Strong oxidizing agents  
Strong acids  
Strong bases

### 7.3. Specific end use(s)

This product should only be used for applications quoted in section 1.2.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control parameters

Aluminium oxide

Long term exposure limit (8 hours) (mg/m<sup>3</sup>): 2 (respirabel, som Al) / 5 (total, som Al) / 5 (Aluminiumrøg, som Al)

Short term exposure limit (15 minutes) (mg/m<sup>3</sup>): 4 (respirabel, som Al) / 10 (total, som Al) / 10 (Aluminiumrøg, som Al)

Paraffin waxes and Hydrocarbon waxes

Long term exposure limit (8 hours) (mg/m<sup>3</sup>): 2

Short term exposure limit (15 minutes) (mg/m<sup>3</sup>): 4

Statutory order 1619 on exposure limits for substances and mixtures (19/12/2024)

## DNEL

### Aluminium oxide

Duration:	Route of exposure:	DNEL:
Long term – Local effects - General population	Inhalation	750 µg/m <sup>3</sup>
Long term – Local effects - Workers	Inhalation	3 mg/m <sup>3</sup>
Long term – Systemic effects - General population	Inhalation	750 µg/m <sup>3</sup>
Long term – Systemic effects - Workers	Inhalation	3 mg/m <sup>3</sup>
Long term – Systemic effects - General population	Oral	1.32 mg/kg bw/day

## PNEC

### Aluminium oxide

Route of exposure:	Duration of Exposure:	PNEC:
Sewage treatment plant		20 mg/L

## 8.2. Exposure controls

Compliance with the given occupational exposure limits values should be controlled on a regular basis.

### *General recommendations:*

Smoking, drinking and consumption of food is not allowed in the work area.

### *Exposure scenarios:*

There are no exposure scenarios implemented for this product.

### *Exposure limits:*

Professional users are subjected to the legally set maximum concentrations for occupational exposure. See occupational hygiene limit values above.

### *Appropriate technical measures:*

Apply standard precautions during use of the product. Avoid inhalation of gas or dust. Airborne gas and dust concentrations must be kept at a minimum and below current limit values (see above). Installation of a local exhaust system if normal air flow in the work room is not sufficient is recommended. Ensure emergency eyewash and showers are clearly marked.

### *Hygiene measures:*

Wash hands after use.

### *Measures to avoid environmental exposure:*

No specific requirements.


## Individual protection measures, such as personal protective equipment

### *Generally:*


Use only CE marked protective equipment.

### *Respiratory Equipment:*


According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

Work situation	Type	Class	Colour	Standards	
In case of inadequate ventilation	Combination filter A2P3	Class 2/3	Brown/White	EN14387	


*Skin protection:*

Recommended	Type/Category	Standards	
Dedicated work clothing should be worn.	-	-	

*Hand protection:*

Material	Glove thickness (mm)	Breakthrough time (min.)	Standards	
NA	NA	NA	NA	

*Eye protection:*

Type	Standards	
Face shield alternatively safety glasses with side shields.	EN166	

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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

<i>Physical state:</i>	Solid
<i>Colour:</i>	White
<i>Odour / Odour threshold:</i>	Mild
<i>pH:</i>	No data available.
<i>Density (g/cm<sup>3</sup>):</i>	No data available.
<i>Kinematic viscosity:</i>	Does not apply to solids.
<i>Particle characteristics:</i>	No data available.

### Phase changes

<i>Melting point/Freezing point (°C):</i>	41-48
<i>Softening point/range (°C):</i>	Does not apply to solids.
<i>Boiling point (°C):</i>	Does not apply to solids.
<i>Vapour pressure:</i>	No data available.

*Relative vapour density:* Does not apply to solids.

*Decomposition temperature (°C):* No data available.

### Data on fire and explosion hazards

*Flash point (°C):* Does not apply to solids.

*Flammability (°C):* No data available.

*Auto-ignition temperature (°C):* No data available.

*Lower and upper explosion limit (% v/v):* Does not apply to solids.

### Solubility

*Solubility in water:* Insoluble

*n-octanol/water coefficient (LogKow):* No data available.

*Solubility in fat (g/L):* No data available.

### 9.2. Other information

*Other physical and chemical parameters:* No data available.

*Oxidizing properties:* No data available.

## SECTION 10: STABILITY AND REACTIVITY

### 10.1. Reactivity

No data available.

### 10.2. Chemical stability

The product is stable under the conditions, noted in section 7 "Handling and storage".

### 10.3. Possibility of hazardous reactions

None known.

### 10.4. Conditions to avoid

None known.

### 10.5. Incompatible materials

Strong oxidizing agents

Strong acids

Strong bases

### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

#### Acute toxicity

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

**Skin corrosion/irritation**

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

**Serious eye damage/irritation**

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

**Respiratory sensitisation**

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

**Skin sensitisation**

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

**Germ cell mutagenicity**

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

**Carcinogenicity**

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

**Reproductive toxicity**

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

**STOT-single exposure**

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

**STOT-repeated exposure**

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

**Aspiration hazard**

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

**11.2. Information on other hazards**

**Long term effects**

None known.

**Endocrine disrupting properties**

This mixture/product does not contain any substances known to have hormone-disrupting properties in relation to health.

**Other information**

None known.

---

**SECTION 12: ECOLOGICAL INFORMATION**

---

**12.1. Toxicity**

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

**12.2. Persistence and degradability**

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

**12.3. Bioaccumulative potential**

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

**12.4. Mobility in soil**

No data available.

**12.5. Results of PBT and vPvB assessment**

This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification.

**12.6. Endocrine disrupting properties**

This mixture/product does not contain any substances considered to have endocrine-disrupting properties in relation to the environment.

**12.7. Other adverse effects**

None known.

**SECTION 13: DISPOSAL CONSIDERATIONS**

**13.1. Waste treatment methods**

Product is not covered by regulations on dangerous waste.

Commission Regulation (EU) No 1357/2014 of 18 December 2014 on waste.

*EWC code:* 16 05 09  
Discarded chemicals other than those mentioned in 16 05 06,  
16 05 07 or 16 05 08  
15 02 03  
Absorbents, filter materials, wiping cloths and protective  
clothing other than those mentioned in 15 02 02

**Specific labelling**

Not applicable.

**Contaminated packing**

Packaging containing residues of the product must be disposed of similarly to the product.

**SECTION 14: TRANSPORT INFORMATION**

	14.1 UN / ID	14.2 UN proper shipping name	14.3 Hazard class(es)	14.4 PG*	14.5 Env**	Other informat ion:
ADR	-	-	-	-	-	-
IMDG	-	-	-	-	-	-
IATA	-	-	-	-	-	-

\* Packing group

\*\* Environmental hazards

**Additional information**

Not dangerous goods according to ADR, IATA and IMDG.

**14.6. Special precautions for user**

Not applicable.

#### 14.7. Maritime transport in bulk according to IMO instruments

No data available.

### SECTION 15: REGULATORY INFORMATION

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

<i>Restrictions for application:</i>	Restricted to professional users.
<i>Demands for specific education:</i>	No specific requirements.
<i>SEVESO - Categories / dangerous substances:</i>	Not applicable.
<i>Additional information:</i>	Not applicable.
<i>Sources:</i>	Commission Regulation (EU) No 1357/2014 of 18 December 2014 on waste. Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (CLP). Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

#### 15.2. Chemical safety assessment

No

### SECTION 16: OTHER INFORMATION

#### Abbreviations and acronyms

ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway  
ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road  
ATE = Acute Toxicity Estimate  
BCF = Bioconcentration Factor  
CAS = Chemical Abstracts Service  
CE = Conformité Européenne (European conformity)  
CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]  
CSA = Chemical Safety Assessment  
CSR = Chemical Safety Report  
DMEL = Derived Minimal Effect Level  
DNEL = Derived No Effect Level  
EINECS = European Inventory of Existing Commercial chemical Substances

ES = Exposure Scenario  
EUH statement = CLP-specific Hazard statement  
EuPCS = European Product Categorisation System  
EWC = European Waste Catalogue  
GHS = Globally Harmonized System of Classification and Labelling of Chemicals  
GWP = Global warming potential  
IARC = International Agency for Research on Cancer (IARC)  
IATA = International Air Transport Association  
IBC = Intermediate Bulk Container  
IMDG = International Maritime Dangerous Goods  
LogPow = logarithm of the octanol/water partition coefficient  
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)  
OECD = Organisation for Economic Co-operation and Development  
PBT = Persistent, Bioaccumulative and Toxic  
PNEC = Predicted No Effect Concentration  
RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail  
RRN = REACH Registration Number  
SCL = A specific concentration limit  
SVHC = Substances of Very High Concern  
STOT-RE = Specific Target Organ Toxicity - Repeated Exposure  
STOT-SE = Specific Target Organ Toxicity - Single Exposure  
TWA = Time weighted average  
UN = United Nations  
UVBC = Unknown or variable composition, complex reaction products or of biological materials  
VOC = Volatile Organic Compound  
vPvB = Very Persistent and Very Bioaccumulative

#### **Additional information**

Not applicable.

#### **The safety data sheet is validated by**

Aktiv Guld A/S

#### **Other**

A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a triangle.

The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.

It is recommended to hand over this safety data sheet to the actual user of the product.

Information in this safety data sheet cannot be used as a product specification.

Country-language: DK-en