

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

TG Polish & Restore

Revised: 27.08.2026

Material number: TG-026

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SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier**

TG Polish & Restore (metal polishing paste)

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

Polishing and surface cleaning paste for metal components.

Uses advised against

Do not use for internal, medical, pharmaceutical or food-contact applications without separate validation.

1.3. Details of the supplier of the safety data sheet

Company name: Thermal Grizzly Holding GmbH
Street: Gewerbestraße 39
Place: D-16540 Hohen Neuendorf, Germany
Telephone: +49 29419336926
E-mail: support@thermal-grizzly.com
Internet: www.thermal-grizzly.com

1.4. Emergency telephone number: Poison control centre (Mainz, DE): +49 (0)6131 - 19240 (24h)**SECTION 2: Hazards identification****2.1. Classification of the substance or mixture****Regulation (EC) No 1272/2008**

Based on the available composition and product data, the mixture is not classified as hazardous within the meaning of Regulation (EC) No 1272/2008.

2.2. Label elements

No hazard pictogram required. No signal word required. No hazard statements (H statements) assigned. No precautionary statements (P statements) assigned.

2.3. Other hazards

Contains abrasive mineral solids and hydrocarbon components. Direct eye contact may cause transient mechanical discomfort. Prolonged or repeated skin contact may have a degreasing effect. The product is pasty and is not expected to be readily ignitable under normal conditions. A complete PBT/vPvB assessment for the mixture is not available.

SECTION 3: Composition/information on ingredients**3.2. Mixtures****Chemical characterisation**

Polishing paste based on aluminium oxide, hydrocarbons, surfactants and water.

Relevant ingredients

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CAS No.	Substance name / EC No.	Content
1344-28-1	Aluminium oxide	62.60 %
	215-691-6	
64742-47-8	Distillates (petroleum), hydrotreated light	25.30 %
	265-149-8	
7732-18-5	Water	9.90 %
	231-791-2	
68187-76-8	Castor oil, sulfated, sodium salt	2.00 %
	269-123-7	
25155-30-0	Sodium dodecylbenzenesulfonate	0.10 %
	246-680-4	
64742-48-9	Naphtha (petroleum), hydrotreated heavy	0.08 %
	265-150-3	

The upstream supplier confirms that the ingredients CAS 64742-47-8 and 64742-48-9 contain less than 0.10 % benzene.

Classifications of the individual ingredients according to Regulation (EC) No 1272/2008 were not stated by the upstream supplier.

SECTION 4: First aid measures**4.1. Description of first aid measures****After eye contact**

Immediately rinse cautiously with clean water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical attention if irritation persists.

After skin contact

Wash with soap and water. Remove contaminated clothing. Seek medical advice if irritation develops.

After inhalation

Move affected person to fresh air. Seek medical advice if symptoms occur.

After ingestion

Rinse mouth with water. Do NOT induce vomiting. Give water to drink if the person is conscious. Seek medical advice after significant ingestion or if symptoms occur.

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

Transient eye discomfort, mild skin irritation after prolonged contact, and gastrointestinal discomfort after ingestion.

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

Symptomatic treatment.

SECTION 5: Firefighting measures**5.1. Extinguishing media****Suitable extinguishing media**

Dry powder, foam, carbon dioxide (CO₂) or water spray.

Unsuitable extinguishing media

High-pressure water jet applied directly to the product.

5.2. Special hazards arising from the substance or mixture

Combustion may generate carbon oxides, sulfur oxides and irritating organic fumes.

5.3. Advice for firefighters

Wear self-contained breathing apparatus and protective clothing when fighting fires involving large quantities.

SECTION 6: Accidental release measures

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6.1. Personal precautions, protective equipment and emergency procedures

Avoid contact with eyes. Ensure normal workplace ventilation. Use protective gloves and eye protection during clean-up.

6.2. Environmental precautions

Prevent large quantities from entering drains, surface waters and soil.

6.3. Methods and material for containment and cleaning up

Collect mechanically with absorbent material or a scraper. Place in suitable waste containers. Clean residue with detergent and water.

6.4. Reference to other sections

Safe handling: see Section 7

Personal protective equipment: see Section 8

Disposal: see Section 13

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

Avoid direct eye contact and prolonged skin contact. Wash hands after use. Do not eat, drink or smoke during handling.

7.2. Conditions for safe storage, including any incompatibilities

Store tightly closed in a cool, dry, well-ventilated place. Protect from freezing, direct sunlight and excessive heat.

Storage compatibility advice

Keep away from: strong oxidising agents, strong acids, strong alkalis.

7.3. Specific end use(s)

Polishing and surface cleaning paste for metal components (see subsection 1.2).

SECTION 8: Exposure controls/personal protection**8.1. Control parameters**

No specific occupational exposure limits are assigned to the mixture as such. Avoid the formation of airborne dust from dried residues or aggressive mechanical processing.

8.2. Exposure controls**Appropriate engineering controls**

General workplace ventilation is normally sufficient.

Eye/face protection

Safety glasses or chemical splash goggles are recommended during industrial or repeated use.

Hand protection

Suitable protective gloves, for example nitrile rubber, are recommended for prolonged handling.

Respiratory protection

Not normally required under intended use. Use suitable particulate protection if dust from dried residues is generated.

Hygiene measures

Wash hands before breaks and after work. Remove contaminated clothing and clean before reuse.

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

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Physical state:	paste
Colour:	white
Odour:	characteristic
pH (20 °C):	9.40
Melting point/freezing point:	not determined
Boiling point or initial boiling point and boiling range:	100 °C
Flammability:	no classification as flammable based on the available data
Lower/upper explosion limit:	not determined
Flash point:	66 °C
Auto-ignition temperature:	product is not self-igniting
Decomposition temperature:	not determined
Kinematic viscosity (40 °C):	>21 mm ² /s
Dynamic viscosity:	not determined
Water solubility:	not miscible or difficult to mix
Vapour pressure:	not determined
Density (20 °C):	1.24 g/cm ³
Relative density / relative vapour density:	not determined
Explosive properties:	the product does not present an explosion hazard

9.2. Other information

No data available.

SECTION 10: Stability and reactivity**10.1. Reactivity**

No dangerous reactivity is expected under normal conditions of use.

10.2. Chemical stability

The product is stable under the recommended storage conditions.

10.3. Possibility of hazardous reactions

No hazardous polymerisation expected.

10.4. Conditions to avoid

Excessive heat, open flames and contamination with incompatible materials.

10.5. Incompatible materials

Strong oxidising agents, strong acids, strong alkalis.

10.6. Hazardous decomposition products

In case of fire: carbon oxides, sulfur oxides and other irritating combustion products.

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.

Irritation and corrosivity

Skin corrosion/irritation: Based on available data, the classification criteria are not met. Prolonged or repeated contact may cause mild transient irritation or degreasing.

Serious eye damage/eye irritation: Based on available data, the classification criteria are not met. Direct contact may still cause temporary discomfort because of the abrasive solids.

Sensitising effects

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

Carcinogenic, mutagenic and reprotoxic effects

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

Specific target organ toxicity (single and repeated exposure)

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

Aspiration hazard

Not classified, taking into account the stated kinematic viscosity at 40 °C of >21 mm²/s.

Likely routes of exposure

Eye contact, skin contact, accidental ingestion.

SECTION 12: Ecological information**12.1. Toxicity**

No complete ecotoxicological test data are available for the mixture.

12.2. Persistence and degradability

No complete data available for the mixture. Avoid uncontrolled release to the environment.

12.3. Bioaccumulative potential

No complete data available for the mixture.

12.4. Mobility in soil

Expected to be limited because of the paste-like form and the insoluble mineral content.

12.5. Results of PBT and vPvB assessment

A complete PBT/vPvB assessment for the mixture is not available.

12.6. Endocrine disrupting properties

No data available.

12.7. Other adverse effects

No data available.

SECTION 13: Disposal considerations**13.1. Waste treatment methods****Advice on disposal**

Dispose of contents and container in accordance with local, regional, national and international regulations. Do not discharge into drains or the environment. Empty packaging as far as possible before disposal. Waste codes/waste designations must be assigned in accordance with the European Waste Catalogue, specific to industry and process.

SECTION 14: Transport information**Land transport (ADR/RID), inland waterways transport (ADN), marine transport (IMDG), air transport (ICAO-TI/IATA-DGR)**

- | | |
|-----------------------------------|--|
| 14.1. UN number or ID number: | Not dangerous goods within the meaning of the transport regulations. |
| 14.2. UN proper shipping name: | Not dangerous goods within the meaning of the transport regulations. |
| 14.3. Transport hazard class(es): | Not dangerous goods within the meaning of the transport regulations. |
| 14.4. Packing group: | Not dangerous goods within the meaning of the transport regulations. |

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: No

14.6. Special precautions for user

Protect containers from damage and excessive heat.

14.7. Maritime transport in bulk according to IMO instruments

not applicable

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SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****EU regulations**

Information according to SEVESO III

Directive 2012/18/EU: Not subject to the SEVESO III Directive

No information from the upstream supplier is available on substances of very high concern (SVHC) according to REACH, Article 59 (candidate list) and Annex XIV.

National regulations (Germany)

Employment restrictions: Observe employment restrictions for young people (Section 22 JArbSchG). Observe employment restrictions for expectant and nursing mothers (Sections 11 and 12 MuSchG).
Water hazard class (WGK): not determined (self-classification according to AwSV required)

Additional information

National legislation must also be observed! TRGS 220 "National aspects when compiling safety data sheets"; TRGS 900 "Occupational exposure limits"; TRGS 903 "Biological limit values".

15.2. Chemical safety assessment

Chemical safety assessments for substances in this mixture have not been carried out.

SECTION 16: Other information**Changes**

Version 1,01 - Initial issue - 27.08.2026

Abbreviations and acronyms

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road
ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
AwSV: German Ordinance on Installations for Handling Substances Hazardous to Water
CAS: Chemical Abstracts Service
CLP: Classification, Labelling, Packaging
EC: European Community
GHS: Globally Harmonized System of Classification and Labelling of Chemicals
IATA: International Air Transport Association
ICAO: International Civil Aviation Organization
IMDG: International Maritime Code for Dangerous Goods
PBT: persistent, bioaccumulative, toxic
REACH: Registration, Evaluation and Authorization of Chemicals
RID: Regulations concerning the International Carriage of Dangerous Goods by Rail
STOT: Specific Target Organ Toxicity
SVHC: substances of very high concern
TRGS: German Technical Rules for Hazardous Substances
UN: United Nations
vPvB: very persistent and very bioaccumulative
WGK: German water hazard class

Further information

The information in this safety data sheet is intended to describe the product with regard to the necessary safety precautions. It is not intended to guarantee specific properties and is based on the current state of our knowledge. This safety data sheet was prepared on the basis of information provided by upstream suppliers.