

Trade name:

Polfett / Terminal Fat

Revised on: 10/05/2022

1. Identification of the substance/mixture and of the company/undertaking

Product identifier:

- **Trade name:** Terminal fat
- **Purpose:** Corrosion protection of NiCd accumulators
- **Manufacturer/supplier:**
GAZ Geräte- und Akkumulatorenwerk Zwickau GmbH
PO Box 200457
D-08004 Zwickau Phone: +49 375 86-0
GERMANY
- **24-hour-emergency number:** +49 / (0)700 24112112 (contact ID: GAZ)
- **USA deliveries:** +49 / (0)700 24112112 (contact ID: GAZ) or + 1 872 5888 271 (contact ID: GAZ)

2. Possible hazards

GHS marking



Signal word: "Danger"

Hazard notices

Danger-determining components for labelling: Hydrocarbons, C11-C14, < 2% aromatics ***²

Hazard notices

H304 May be fatal if swallowed and enters airways.
H413 May cause long lasting harmful effects to aquatic life

Precautionary statements

P273 Avoid release to the environment.
P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P331 Do NOT induce vomiting.
P405 Store locked up.
P501 Dispose of contents/container to the local provisions.

Additional information: EUH066 Repeated exposure may cause skin dryness or cracking.

The full wording of the H- and P-phases can be found in section 16.

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<p>3. <u>Composition/information on ingredients</u></p> <p>Hazardous ingredients:</p>					
Name	Content (%)	CAS-No.	EINECS-No.	Classification by 67/548/EEC	Classification by 1272/2008/EC
Metasolv706 (Hydrocarbons, C11-C14, < 2% aromatics ***)	10-15 %				926-141-6
<p>4. <u>First aid measures</u></p> <p>4.1 Description of first aid measures</p> <p>General notices: Take affected persons to fresh air. Placement and transport in recovery position.</p> <ul style="list-style-type: none"> • Upon inhalation: supply fresh air, seek medical advice in case of symptoms. • Upon skin contact: Wash immediately with water and soap and rinse well. • Upon eye contact: Rinse eye under running water for several minutes with the lid held open. Seek medical advice in case of persistent symptoms. • Upon swallowing: Do not induce vomiting; seek medical advice immediately. <p>4.2 Most important symptoms and effects, both acute and delayed:</p> <p>Headache Vertigo Unconsciousness Nausea</p> <p>4.3 Indication of any immediate medical attention and special treatment needed:</p> <p>Danger of entry into lungs upon swallowing or vomiting. Monitor circulation, shock treatment if necessary. Subsequent observation for pneumonia and lung oedema.</p>					
<p>5. <u>Firefighting measures</u></p> <ul style="list-style-type: none"> • Suitable extinguishing agent: Inflammable substance, extinguishing agent depending on site of fire Do not use water – danger of entering the sewers or soils possible. • Special hazards: Fire may release CO₂, CO. • Special protection equipment for fire brigade: Protective equipment, breathing protection 					
<p>6. <u>Accidental release measure:</u></p> <ul style="list-style-type: none"> • Safety measures for persons: Wearing personal protective equipment. Avoiding skin and eye contact. Special danger of slipping due to leaked/spilled product. • Safety measures for the environment: Do not let the substance enter the soil, bodies of water, or the sewers. Prevent spreading on a larger area (e.g. by damming in or oil locks). • Procedure for cleaning/absorption Absorb with liquid-binding material (sand, diatomaceous earth, acid binder, universal binder). Dispose of the absorbed material according to provisions. • Reference to other sections For information on safe handling, see section 7. For information on personal protective equipment, see section 8. For information on disposal, see section 13. 					

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7. Handling and storage

7.1 Handling:

- **Notices on safe handling:** Handling of substances in well ventilated rooms, avoiding aerosol formation. Do not carry any rags soaked with product in your clothing. Do not eat, drink, smoke, or take snuff during work.
- **Notices on fire and explosion protection:**
Fire category to EN 2: B
Keep away sources of ignition.
Take measures against electrostatic charge.

7.2 Storage:

- **Requirements to storage rooms and containers:**
Store in tightly closed original containers. Keep away from food, drinks, drinking water.
Protect from heat and sunlight. Recommended storage temperature: 0 to 30 °C.
- **Storage category: 10 (acc. to TRGS 510): Flammable liquids.**

8. Exposure controls/personal protection

- **Ingredients with workplace-related limits to be observed:**
Hydrocarbon mixtures, use as solvent
Germany: Solvent hydrocarbons (C9-C14 Aliphatics).
AGW (Germany): Long-term value (8 h): 300 mg/m³; 2 (II) TRGS 900 no. 2.9 RCP
Method
- **Additional notices:** Sufficient ventilation of the work rooms. Protective clothing. Instruction of the employees.
Protective equipment in impeccable condition and damaged accessories must be replaced at once. Wash hands with warm water and soak before and after work.
The lists valid at compilation served as the basis. When steam, mist, or aerosols form, the concentration at the workplace must be kept as low as possible.
- **Breathing protection:** Regular handling usually requires no breathing protection. If the exposure thresholds are exceeded, or if aerosols or mists form, breathing protection (e.g. half mask with combination filter for particles, gases, and organic vapours, sd. > 65 °C, AP2, EN 14387) is recommended.
- **Hand protection:** Preventive skin protection by using skin protection agents is recommended.
Fluororubber (Viton) nitrile rubber
- **Eye protection:** Goggles are recommended.
- **Body protection:** Comply with hygiene rules; wash skin thoroughly after completion of work; apply protective cream. Solvent-resistant protective clothing.

9. Physical and chemical properties

- **Form (at 20 °C):** Paste
- **Colour:** White
- **Odour:** Odourless to mild
- **Melting point/melting range** Not determined
- **Boiling point/boiling range** Unknown
- **Flash point:** >70 °C (DIN EN ISO 2719)
- **Yield point:** Unknown
- **Flammability:** Unknown
- **Self-ignition – temperature** >200 °C

- **Danger of explosion:** The product is not explosive, but explosive vapour/air mixtures may form

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<ul style="list-style-type: none"> • Oxidation capability: • Steam pressure: at 20 °C • Density (g/ml): • Steam density: 	<p>Lower: 0.5 vol% (typ.) Upper: 6.0 vol% (typ.)</p> <p>Not specified, no oxidation property</p> <p>~1 hPa (-)</p> <p>0.82</p> <p>> 1 g/cm³ (1013 hPa)</p>
<ul style="list-style-type: none"> • pH value: at 20 °C • Distribution coefficient: N-octanol/water: • Evaporation rate: • Solubility at 20 °C: • Organic solvents: • Water: 	<p>Unknown</p> <p>Unknown</p> <p>Unknown</p> <p>75%</p> <p>Near-insoluble in water</p>
<p>10. <u>Stability and reactivity:</u> Stable under normal usage conditions.</p> <ul style="list-style-type: none"> • Conditions to avoid: Heat, sparks, flames, and other ignition sources. • Substances to be avoided: Oxidants • Hazardous decomposition products: None known 	
<p>11. <u>Information on toxicology:</u></p> <p>These statements are based on data for components of the material or for similar materials. Acute toxicity: The classification criteria are not met based on the available data.</p> <ul style="list-style-type: none"> • Effects on health: <ul style="list-style-type: none"> Acute toxicity: LD/LC50-values relevant for classification: Hydrocarbons, C11-C14, < 2% aromatics ***)² Oral LD50 >5,000 mg/kg (rat) (OECD 401) Dermal LD50 >5,000 mg/kg (rabbit) (OECD 402) Inhalative LC50/8 h >5,000 mg/m³ (rat) (OECD 403) Chronic toxicity: Repeated or extended skin contact may cause degreasing of skin and dermatitis. This may cause the skin to become more sensitive to other irritants. CMR-effects (carcinogenic, mutagenic, and reproduction-toxic effect): Not classified as CMR 	
<p>12. <u>Information on ecology</u></p> <p>12.1 Toxicity Aquatic toxicity: Toxic effects on aquatic organisms are expected based on the marking.</p> <p style="text-align: center;">Hydrocarbons, C11-C14, < 2% aromatics ***)² NOELr 1,000 mg/l (Pseudokirchneriella subc. (green algae)) (72h) NOELR/21d >1 mg/l (Daphnia magna)</p>	

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- 12.2 Persistence and degradability:** No further relevant information is available.
12.3 Bioaccumulative potential: No further relevant information is available.
12.4 Mobility in soil: The product is insoluble in water. It is partly immobilised by adsorption to soil particles.

Ecotoxic effects: **Comment:** Harmful to water organisms.

Other ecological notices:

General notices:

Water hazard class 1 (self-classification): weakly water-hazardous
 Do not let the substance enter the groundwater, bodies of water, or the sewers.

12.5 Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

12.6 Other adverse effects: No further relevant information is available.

13. Notices on disposal:

- **Product disposal:** Disposal takes place based on local statutory provisions
- **Waste key:** 13 02 05 (recommendation for the pure fat)
 Must not be disposed on in domestic waste. Must not enter the sewers.
 The recommended waste key refers to the production the delivery condition. Inquire from the respective regional disposal companies after use

14. Transport information:

14.1 Land transport ADR / RID and GGVS / GGVE (border-crossing/ domestic):

- **ADR / RID – GGVS / E class:** Not applicable
- **Kemler figure:** Not applicable
- **UN number:** Not applicable
- **Designation of the goods:** Not applicable

14.2 Transport by seagoing vessel IMDG / GGVSee:

- **IMDG / GGVSee class:** Not applicable
- **UN number:** Not applicable
- **Packaging group:** Not applicable
- **EMS number:** Not applicable
- **Proper technical name:** Not applicable

14.3 Air transport ICAO – TI and IATA – DGR:

- **ICAO / IATA class:** Not applicable
- **UN /ID number:** Not applicable
- **Packaging group:** Not applicable
- **Proper technical name:** Not applicable

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

- **Danger-determining components for labelling:** None of the ingredients
- **REGULATION (EC) no. 1907/2006 ANNEX XVII limitation conditions:** 3
- **Water hazard class:** WGK 1 (WGK mixing rule AwSV, Germany): weakly water-hazardous.
- **Technical instructions air:** Reference values to TA-Luft of 24 July 2002 chap. 5.2.5. Organic substances
- **Hazardous Incident Ordinance:** The product is not subject to the Hazardous Incident Ordinance (*Störfall-Verordnung*) (12th BImSchV)

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16. Other information:

- **Relevant phrases**

H304 May be fatal if swallowed and enters airways.

H413 May cause long lasting harmful effects to aquatic life.

The information is based on the current state of our knowledge but does not constitute any warranty of product properties and shall not found any contractual legal relationship.