

Safety data sheet
according to Regulation (EC) No 1907/2006, Article 31

Printing date 17.11.2025

Version number 2

Revision: 17.11.2025

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

Product identifier

Trade name: Typ 1063 - Spezienschmierfett 5g / Special lubrication grease 5g 1065 – Spezienschmierfett 80g / Special lubrication grease 80g

Article number: 18000009 - 18000010

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

Product category PC24 Lubricants, greases, release products

Application of the substance / the mixture

Special cleaning agent for highly insulating parts such as plug connections and electronic components

Details of the supplier of the safety data sheet

Manufacturer/Supplier:

Kistler Instrumente AG
Eulachstrasse 22
8408 Winterthur, Schweiz

Further information obtainable from:

+41 52 224 11 11,
info@kistler.com, www.kistler.com

Emergency telephone number: Emergency CONTACT (24-Hour-Number):GBK GmbH +49 (0)6132-84463

*** 2 Hazards identification**

Classification of the substance or mixture



GHS09 environment

Aquatic Acute 1 H400 Very toxic to aquatic life.

Aquatic Chronic 1 H410 Very toxic to aquatic life with long lasting effects.

Acute Tox. 5 H303 May be harmful if swallowed.

Acute Tox. 5 H333 May be harmful if inhaled.

Label elements

GHS label elements The product is classified and labelled according to the Globally Harmonised System (GHS).

Hazard pictograms



GHS09

Signal word Warning

Hazard-determining components of labelling:

barium salts

Hazard statements

May be harmful if swallowed or if inhaled.

Very toxic to aquatic life with long lasting effects.

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Precautionary statements

Avoid release to the environment.

IF INHALED: Call a POISON CENTER/doctor if you feel unwell.

Collect spillage.

Dispose of contents/container in accordance with local/regional/national/international regulations.

Other hazards**Results of PBT and vPvB assessment****PBT:** Not applicable.**vPvB:** Not applicable.

* 3 Composition/information on ingredients

Chemical characterisation: Mixtures**Description:** Mixture of substances listed below with nonhazardous additions.**Dangerous components:**

CAS: 7779-90-0	trizinc bis(orthophosphate)	Aquatic Acute 1, H400; Aquatic Chronic 1, H410	>25-≤50%
CAS: 1282612-27-4	barium salts	Acute Tox. 4, H302; Acute Tox. 4, H332	>2.5-≤25%
CAS: 1314-13-2	zinc oxide	Aquatic Acute 1, H400; Aquatic Chronic 1, H410	0-≤10%

Additional information: For the wording of the listed hazard phrases refer to section 16.

4 First aid measures

Description of first aid measures**After inhalation:**

Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist. In case of unconsciousness place patient stably in side position for transportation.

After skin contact:

Irritation. Repeated contact can lead to brittle or cracked skin.

If skin irritation continues, consult a doctor.

After eye contact: Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.**After swallowing:**

If symptoms persist consult doctor.

Do not induce vomiting! Rinse mouth and drink plenty of water.

Information for doctor:**Most important symptoms and effects, both acute and delayed** May cause drowsiness and dizziness**Indication of any immediate medical attention and special treatment needed**

No further relevant information available.

5 Firefighting measures

Extinguishing media**Suitable extinguishing agents:**CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.**For safety reasons unsuitable extinguishing agents:** Water with full jet**Special hazards arising from the substance or mixture**

In case of fire, the following can be released:

Carbon monoxide (CO)

Metal oxides

Phosphorous oxides

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Advice for firefighters**Protective equipment:**

Use self-contained breathing apparatus. Wear protective clothing to prevent eye or skin contact.

6 Accidental release measures

Personal precautions, protective equipment and emergency procedures

Remove persons from danger area.

Ensure adequate ventilation

Wear respiratory protection when fumes/aerosols appear.

Environmental precautions:

Inform respective authorities in case of seepage into water course or sewage system.

Do not allow to enter sewers/ surface or ground water.

Methods and material for containment and cleaning up:

Dispose contaminated material as waste according to section 13.

Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

7 Handling and storage

Handling:**Precautions for safe handling** Avoid contact with skin and eyes.**Information about fire - and explosion protection:** No special measures required.**Conditions for safe storage, including any incompatibilities****Storage:****Requirements to be met by storerooms and receptacles:**

Store in a cool and well-ventilated place. Keep away from sources of ignition. Keep away from direct sunlight. Ensure that lighting and electrical equipment are not sources of ignition.

Information about storage in one common storage facility: Not required.**Further information about storage conditions:** Keep container tightly sealed.**Specific end use(s)** No further relevant information available.

* 8 Exposure controls/personal protection

Additional information about design of technical facilities: No further data; see section 7.**Control parameters****Ingredients with limit values that require monitoring at the workplace:****CAS: 1314-13-2 zinc oxide**

OELV	Long-term value: 2 mg/m ³ respirable fraction
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Additional information: The lists valid during the making were used as basis.**Exposure controls****Personal protective equipment:****General protective and hygienic measures:**

Keep away from foodstuffs, beverages and feed.

Wash hands before breaks and at the end of work.

Respiratory protection: Not required.

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Protection of hands:

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

For the permanent contact gloves made of the following materials are suitable:

Fluorocarbon rubber (Viton)

Butyl rubber, BR

Nitrile rubber, NBR

Eye protection: Not required.**Body protection:** Protective work clothing

9 Physical and chemical properties

Information on basic physical and chemical properties	
General Information	
Appearance:	
Form:	Pasty
Colour:	Opaque
Odour:	Characteristic
Odour threshold:	Not determined.
pH-value:	Not applicable.
Change in condition	
Melting point/freezing point:	Undetermined.
Initial boiling point and boiling range:	Undetermined.
Flash point:	Not applicable.
Flammability	Not determined.
Auto-ignition temperature:	2000 °C
Decomposition temperature:	Not determined.
Ignition temperature:	Product is not selfigniting.
Explosive properties:	In general, product does not present an explosion hazard.
Explosion limits:	
Lower:	Not determined.
Upper:	Not determined.
Vapour pressure:	Not applicable.
Density at 20 °C:	1.44 g/cm ³
Relative density	Not determined.
Vapour density	Not applicable.
Evaporation rate	Not applicable.
Solubility in / Miscibility with water:	Insoluble.

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Partition coefficient: n-octanol/water:	Not determined.
Viscosity:	
Dynamic:	Not applicable.
Kinematic:	Not applicable.
Other information	No further relevant information available.

10 Stability and reactivity

Reactivity Extremely flammable aerosol. Pressurised container: May burst if heated.

Chemical stability The product is stable under normal conditions.

Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.

Possibility of hazardous reactions No dangerous reactions known.

Conditions to avoid

Avoid contact with hot surfaces. Heat. No naked flames, no sparks. Remove all sources of ignition.

Incompatible materials: No further relevant information available.

Hazardous decomposition products: No dangerous decomposition products known.

11 Toxicological information

Information on toxicological effects

Acute toxicity

LD/LC50 values relevant for classification:

CAS: 7779-90-0 trizinc bis(orthophosphate)

Oral LD50 >5000 mg/kg (rat)

CAS: 1314-13-2 zinc oxide

Oral LD50 >5000 mg/kg (rat)

Additional toxicological information:

The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction) No CMR effects known.

12 Ecological information

Toxicity

Aquatic toxicity: No further relevant information available.

Persistence and degradability No further relevant information available.

Behaviour in environmental systems:

Bioaccumulative potential No further relevant information available.

Mobility in soil No further relevant information available.

Ecotoxicological effects:

Remark: Very toxic for fish

Other information: Do not discharge into drains, surface waters or groundwater.

Additional ecological information:

General notes:

Very toxic for aquatic organisms

Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water

Do not allow product to reach ground water, water course or sewage system.

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Danger to drinking water if even small quantities leak into the ground.

Results of PBT and vPvB assessment**PBT:** Not applicable.**vPvB:** Not applicable.**Other adverse effects** No further relevant information available.

13 Disposal considerations

Waste treatment methods**Recommendation**

Must be specially treated adhering to official regulations.



Must not be disposed together with household garbage. Do not allow product to reach sewage system.

Waste disposal key: 16 05 04 - Gases in pressurised containers containing dangerous substances (including halons)

Uncleaned packaging:

Recommendation: Disposal must be made according to official regulations.

14 Transport information

UN-Number ADR, IMDG, IATA	UN3077
UN proper shipping name ADR IMDG, IATA	3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (zinc oxide) ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (zinc oxide)
Transport hazard class(es) ADR, IMDG, IATA	
 	
Class Label	9 9
Packing group ADR, IMDG, IATA	III
Environmental hazards: Marine pollutant: Special marking (ADR): Special marking (IATA):	Symbol (fish and tree) Symbol (fish and tree) Symbol (fish and tree)
Special precautions for user	Warning: Miscellaneous dangerous substances and articles.
Hazard identification number (Kemler code): EMS Number: Stowage Category	90 F-A,S-F A

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Stowage Code	SW23 When transported in BK3 bulk container, see 7.6.2.12 and 7.7.3.9.
Transport in bulk according to Annex II of Marpol and the IBC Code	Not applicable.
Transport/Additional information:	
ADR	
Limited quantities (LQ)	5 kg
Excepted quantities (EQ)	Code: E1 Maximum net quantity per inner packaging: 30 g Maximum net quantity per outer packaging: 1000 g
Transport category	3
Tunnel restriction code	(-)
IMDG	
Limited quantities (LQ)	5 kg
Excepted quantities (EQ)	Code: E1 Maximum net quantity per inner packaging: 30 g Maximum net quantity per outer packaging: 1000 g
UN "Model Regulation":	UN 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (ZINC OXIDE), 9, III

* 15 Regulatory information

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

GHS label elements The product is classified and labelled according to the Globally Harmonised System (GHS).

Hazard pictograms



GHS09

Signal word Warning

Hazard-determining components of labelling:

barium salts

Hazard statements

May be harmful if swallowed or if inhaled.

Very toxic to aquatic life with long lasting effects.

Precautionary statements

Avoid release to the environment.

IF INHALED: Call a POISON CENTER/doctor if you feel unwell.

Collect spillage.

Dispose of contents/container in accordance with local/regional/national/international regulations.

Directive 2012/18/EU

Named dangerous substances - ANNEX I None of the ingredients is listed.

Seveso category E1 Hazardous to the Aquatic Environment

Qualifying quantity (tonnes) for the application of lower-tier requirements 100 t

Qualifying quantity (tonnes) for the application of upper-tier requirements 200 t

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Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

16 Other information

The information corresponds to the current state of knowledge. Kistler reserves the right to make technical changes. Liability for consequential damage resulting from the use of Kistler products is excluded.

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Relevant phrases

H302 Harmful if swallowed.

H332 Harmful if inhaled.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

Contact:

Abbreviations and acronyms:

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Acute Tox. 4: Acute toxicity – Category 4

Acute Tox. 5: Acute toxicity – Category 5

Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1

Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1

*** Data compared to the previous version altered.**