

Safety data sheet according SS 586 : Part 3

Date of issue: 06.03.2025

Version number 1

Revision: 06.03.2025

1 Identification

Product identifier**Trade name:** Type 1069A - Kalibrieröl für 6959A / Calibration fluid for 6959A**Other means of identification****Article number:** 18043657**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** Hydraulic fluid**Details of the supplier of the safety data sheet****Manufacturer/Supplier:**

Kistler Instrumente AG

Eulachstrasse 22

8408 Winterthur, Schweiz

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Emergency telephone number: +49 (0)6132-84463 (24 h; GBK GmbH)

2 Hazards identification

Classification of the substance or mixture

The product is not classified, according to the Globally Harmonised System (GHS).

Label elements**GHS label elements** Void**Hazard pictograms** Void**Signal word** Void**Hazard statements** Void**Other hazards****Results of PBT and vPvB assessment****PBT:** Not applicable.**vPvB:** Not applicable.

* 3 Composition/information on ingredients

Chemical characterisation: Mixtures**Description:**

Highly refined mineral oils and additives.

According to IP 346, the highly refined mineral oil contains a dimethyl sulphoxide (DMSO) extractable content of less than 3 % (w/w).

Classification based on a DMSO extract content of < 3

% (Regulation (EC) 1272/2008, Annex VI, Part 3,

Note L).

* Includes one or more of the following CAS numbers

(REACH registration numbers): 64742-53-6 (01-

2119480375-34), 64742-54-7 (01-2119484627-25), 64742-

55-8 (01-2119487077-29), 64742-56-9 (01-2119480132-48),

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64742-65-0 (01-2119471299-27), 68037-01-4 (01-2119486452-34), 72623-86-0 (01-2119474878-16), 72623-87-1 (01-2119474889-13), 8042-47-5 (01-2119487078-27), 848301-69-9 (01-0000020163-82), 68649-12-7 (01-2119527646-33), 151006-60-9 (01-2119523580-47), 163149-28-8 (01-2119543695-30), 64741-88-4 (01-2119488706-23), 64741-89-5 (01-2119487067-30).

Dangerous components:

 Comparable low viscosity
base oils (<20.5 mm²/s at 40 °C)

 Asp. Tox. 1, H304

0-90%

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; consult doctor in case of complaints.

After skin contact: 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.

Most important symptoms and effects, both acute and delayed No further relevant information available.

Indication of any immediate medical attention and special treatment needed

No further relevant information available.

5 Fire-fighting measures

Extinguishing media
Suitable extinguishing agents:

 CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

Special hazards arising from the substance or mixture No further relevant information available.

Advice for firefighters
Protective equipment: No special measures required.

6 Accidental release measures

Personal precautions, protective equipment and emergency procedures Not required.

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

Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Dispose contaminated material as waste according to section 13.

Ensure adequate ventilation.

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

Precautions for safe handling

Ensure good ventilation/exhaustion at the workplace.

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Open and handle receptacle with care.

Information about fire - and explosion protection: Keep respiratory protective device available.**Conditions for safe storage, including any incompatibilities****Storage:****Requirements to be met by storerooms and receptacles:** No special requirements.**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

Control parameters**Ingredients with limit values that require monitoring at the workplace:**

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

Additional information: The lists valid during the making were used as basis.**Exposure controls****Appropriate engineering controls** No further data; see section 7.**Personal protective equipment:****General protective and hygienic measures:**

The usual precautionary measures are to be adhered to when handling chemicals.

Respiratory protection: Not required.**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 in work areas without heightened risk of injury (e.g. Laboratory) gloves made of the following material are suitable:

Butyl rubber, BR

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

Neoprene gloves

PVC gloves

Nitrile rubber, NBR

Not suitable are gloves made of the following materials: PVC gloves**Eye protection:** Goggles recommended during refilling**Body protection:** Protective work clothing

* 9 Physical and chemical properties

Information on basic physical and chemical properties**General Information****Physical state**

Liquid

Colour:

Clear

Odour:

Characteristic

Odour threshold:

Not determined.

pH-value at 20 °C:

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Melting point/freezing point:	-33 °C
Initial boiling point and boiling range:	>280 °C
Flash point:	200 °C
Evaporation rate	Not determined.
Flammability	Not applicable.
Explosion limits:	
Lower:	1 Vol %
Upper:	10 Vol %
Vapour pressure:	Not determined.
Vapour pressure:	
Vapour density	Not determined.
Density at 20 °C:	0.85 g/cm ³
Relative density	Not determined.
Solubility in / Miscibility with water:	Not miscible or difficult to mix.
Partition coefficient: n-octanol/water:	Not determined.
Auto-ignition temperature:	>320 °C
Decomposition temperature:	Not determined.
Viscosity:	
Kinematic at 20 °C:	22 mm ² /s
Dynamic:	Not determined.
Particle characteristics	Not applicable.
Other information	
Appearance:	
Form:	Liquid
Important information on protection of health and environment, and on safety.	
Ignition temperature:	Product is not selfigniting.
Explosive properties:	In general, product does not present an explosion hazard.

10 Stability and reactivity

Reactivity No further relevant information available.**Chemical stability****Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.**Possibility of hazardous reactions** No dangerous reactions known.**Conditions to avoid** No further relevant information available.**Incompatible materials:** No further relevant information available.**Hazardous decomposition products:** No dangerous decomposition products known.

11 Toxicological information

Information on toxicological effects**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 (carcinogenity, mutagenicity and toxicity for reproduction) No CMR effects known.

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12 Ecological information

Toxicity**Aquatic toxicity:** No further relevant information available.**Persistence and degradability** No further relevant information available.**Bioaccumulative potential** No further relevant information available.**Mobility in soil** No further relevant information available.**Results of PBT and vPvB assessment****PBT:** Not applicable.**vPvB:** Not applicable.**Other adverse effects****Other information:** Do not discharge into drains, surface waters or groundwater.**Additional ecological information:****General notes:**

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

13 Disposal considerations

Waste treatment methods**Recommendation**

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

Uncleaned packaging:**Recommendation:** Disposal must be made according to official regulations.

14 Transport information

UN-Number ADR, IMDG, IATA	Void
UN proper shipping name ADR, ADN, IMDG, IATA	Void
Transport hazard class(es) ADR, ADN, IMDG, IATA Class	Void
Packing group ADR, IMDG, IATA	Void
Environmental hazards: Marine pollutant:	No
Transport in bulk according to Annex II of Marpol and the IBC Code	Not applicable.
Special precautions for user	Not applicable.
UN "Model Regulation":	Void

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15 Regulatory information

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

GHS label elements Void

Hazard pictograms Void

Signal word Void

Hazard statements Void

Directive 2012/18/EU

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

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

H304 May be fatal if swallowed and enters airways.

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)

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Asp. Tox. 1: Aspiration hazard – Category 1

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