

## Safety Data Sheet

acc. to OSHA HCS

Printing date 02/21/2025

Reviewed on 02/21/2025

### 1 Identification

**Product identifier**

**Trade name:** Typ 1055 - Kalibrieröl Hochtemperatur / High-temperature calibration fluid Typ 1057 - Kalibrieröl Raumtemperatur / Room-temperature calibration fluid

**Article number:** 18000008

**Application of the substance / the mixture** Heat transfer medium

**Details of the supplier of the safety data sheet****Manufacturer/Supplier:**

Kistler Instrumente AG  
Eulachstrasse 22  
8408 Winterthur, Schweiz

**Information department:**

+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 Hazard(s) identification

**Classification of the substance or mixture**

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

**Label elements**

**GHS label elements** Void

**Hazard pictograms** Void

**Signal word** Void

**Hazard statements** Void

**Classification system:**

**NFPA ratings (scale 0 - 4)**



**HMIS-ratings (scale 0 - 4)**

HEALTH	0	Health = 0
FIRE	1	Fire = 1
REACTIVITY	0	Reactivity = 0

**Other hazards****Results of PBT and vPvB assessment**

**PBT:** Not applicable.

**vPvB:** Not applicable.

# Safety Data Sheet

## acc. to OSHA HCS

Printing date 02/21/2025

Reviewed on 02/21/2025

Trade name: Typ 1055 - Kalibrieröl Hochtemperatur / High-temperature calibration fluid Typ 1057 - Kalibrieröl  
Raumtemperatur / Room-temperature calibration fluid

(Contd. of page 1)

### \* 3 Composition/information on ingredients

**Chemical characterization: Mixtures**
**Description:** Mixture of the substances listed below with nonhazardous additions.

**Dangerous components:**

CAS: 68918-33-2	Siloxanes and silicones, dimethyl, polymers with zirconium octanoate	1-5%
-----------------	--	------

### 4 First-aid measures

**Description of first aid measures**
**General information:** No special measures required.

**After inhalation:** Supply fresh air; consult doctor in case of complaints.

**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.

**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 Fire-fighting measures

**Extinguishing media**
**Suitable extinguishing agents:**

 CO<sub>2</sub>, extinguishing 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:**

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** Not required.

**Environmental precautions:** No special measures required.

**Methods and material for containment and cleaning up:** Absorb liquid components with liquid-binding material.

**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.

**Protective Action Criteria for Chemicals**
**PAC-1:**

None of the ingredients is listed.

**PAC-2:**

None of the ingredients is listed.

(Contd. on page 3)

# Safety Data Sheet

acc. to OSHA HCS

Printing date 02/21/2025

Reviewed on 02/21/2025

Trade name: Typ 1055 - Kalibrieröl Hochtemperatur / High-temperature calibration fluid Typ 1057 - Kalibrieröl Raumtemperatur / Room-temperature calibration fluid

(Contd. of page 2)

<b>PAC-3:</b>
None of the ingredients is listed.

## 7 Handling and storage

**Handling:**  
**Precautions for safe handling** No special measures required.  
**Information about protection against explosions and fires:** 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:** Store away from oxidizing agents.  
**Further information about storage conditions:**  
 None.  
 Store under lock and key and with access restricted to technical experts or their assistants only.  
**Specific end use(s)** No further relevant information available.

## 8 Exposure controls/personal protection

**Additional information about design of technical systems:** No further data; see section 7.  
**Control parameters**  
**Components 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 Occupational Exposure Limit Values for possible hazards during processing:	
CAS: 7440-67-7 zirconium	
PEL	Long-term value: 5 mg/m <sup>3</sup> as Zr
REL	Short-term value: 10 mg/m <sup>3</sup> Long-term value: 5 mg/m <sup>3</sup> as Zr
TLV	Short-term value: 10 mg/m <sup>3</sup> Long-term value: 5 mg/m <sup>3</sup> as Zr; A4

**Additional information:** The lists that were valid during the creation were used as basis.  
**Exposure controls**  
**Personal protective equipment:**  
**General protective and hygienic measures:**  
 The usual precautionary measures for handling chemicals should be followed.  
**Breathing equipment:** Use suitable respiratory protective device in case of insufficient ventilation.  
**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.

(Contd. on page 4)

# Safety Data Sheet

## acc. to OSHA HCS

Printing date 02/21/2025

Reviewed on 02/21/2025

Trade name: Typ 1055 - Kalibrieröl Hochtemperatur / High-temperature calibration fluid Typ 1057 - Kalibrieröl Raumtemperatur / Room-temperature calibration fluid

(Contd. of page 3)

### 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:** Goggles recommended during refilling.

**Body protection:** Protective work clothing

## \* 9 Physical and chemical properties

### Information on basic physical and chemical properties

#### General Information

#### Appearance:

Form:	Fluid
Color:	clear-brownish
Odor:	Light

pH-value: Not applicable.

#### Change in condition

Boiling point/Boiling range: >35 °C (>95 °F)

Flash point: >101.1 °C (>214 °F)

Flammability: Not applicable.

Decomposition temperature: Not determined.

Ignition temperature: Product is not selfigniting.

Danger of explosion: Product does not present an explosion hazard.

Vapor pressure: Not determined.

Density at 20 °C (68 °F): 0.95 g/cm<sup>3</sup> (7.92775 lbs/gal)

Vapor density: Not determined.

Evaporation rate: Not determined.

#### Solubility in / Miscibility with

Water: Not miscible or difficult to mix.

Partition coefficient (n-octanol/water): Not determined.

#### Viscosity:

Kinematic at 20 °C (68 °F): 10 mm<sup>2</sup>/s

#### Solvent content:

VOC content: 0.0 g/l / 0.00 lb/gal

#### Other information

No further relevant information available.

## 10 Stability and reactivity

**Reactivity** Extremely flammable aerosol. Pressurized 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.

(Contd. on page 5)

US

# Safety Data Sheet

acc. to OSHA HCS

Printing date 02/21/2025

Reviewed on 02/21/2025

Trade name: Typ 1055 - Kalibrieröl Hochtemperatur / High-temperature calibration fluid Typ 1057 - Kalibrieröl Raumtemperatur / Room-temperature calibration fluid

(Contd. of page 4)

**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:**

<b>LD/LC50 values that are relevant for classification:</b>		
<b>CAS: 68918-33-2 Siloxanes and silicones, dimethyl, polymers with zirconium octanoate</b>		
Oral	LD50	>5000 mg/kg (rat)
Dermal	LD50	>2000 mg/kg (rabbit)

**Additional toxicological information:**  
 The product is not subject to classification according to internally approved calculation methods for preparations:  
 When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

**Carcinogenic categories**

<b>IARC (International Agency for Research on Cancer)</b>	
None of the ingredients is listed.	
<b>NTP (National Toxicology Program)</b>	
None of the ingredients is listed.	
<b>OSHA-Ca (Occupational Safety &amp; Health Administration)</b>	
None of the ingredients is listed.	

## 12 Ecological information

**Toxicity**  
**Aquatic toxicity:** No further relevant information available.  
**Persistence and degradability** No further relevant information available.  
**Behavior in environmental systems:**  
**Bioaccumulative potential** No further relevant information available.  
**Mobility in soil** No further relevant information available.  
**Ecotoxicological effects:**  
**Other information:** Do not discharge into drains, surface waters or groundwater.  
**Additional ecological information:**  
**General notes:** Not hazardous for water.  
**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.  
 Smaller quantities can be disposed of with household waste.

(Contd. on page 6)  
 — US —

# Safety Data Sheet

## acc. to OSHA HCS

Printing date 02/21/2025

Reviewed on 02/21/2025

**Trade name:** Typ 1055 - Kalibrieröl Hochtemperatur / High-temperature calibration fluid Typ 1057 - Kalibrieröl Raumtemperatur / Room-temperature calibration fluid

(Contd. of page 5)

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

**Uncleaned packagings:**

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

### 14 Transport information

<b>UN-Number</b> DOT, ADR, IMDG, IATA	Void
<b>UN proper shipping name</b> DOT, ADR, ADN, IMDG, IATA	None. Void
<b>Transport hazard class(es)</b> DOT, ADR, ADN, IMDG, IATA Class	Void
<b>Packing group</b> DOT, ADR, IMDG, IATA	Void
<b>Environmental hazards:</b> <b>Marine pollutant:</b>	No
<b>Special precautions for user</b>	Not applicable.
<b>Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b>	Not applicable.
<b>Transport/Additional information:</b>	Not dangerous according to the specifications above.
<b>UN "Model Regulation":</b>	Void

### 15 Regulatory information

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

No further relevant information available.

**Sara**

**Section 355 (extremely hazardous substances):**

None of the ingredient is listed.

**Section 313 (Specific toxic chemical listings):**

None of the ingredients is listed.

**TSCA (Toxic Substances Control Act):**

All components have the value ACTIVE.

**Hazardous Air Pollutants**

None of the ingredients is listed.

**Proposition 65**

**Chemicals known to cause cancer:**

None of the ingredients is listed.

**Chemicals known to cause reproductive toxicity for females:**

None of the ingredients is listed.

(Contd. on page 7)

# Safety Data Sheet

## acc. to OSHA HCS

Printing date 02/21/2025

Reviewed on 02/21/2025

**Trade name: Typ 1055 - Kalibrieröl Hochtemperatur / High-temperature calibration fluid Typ 1057 - Kalibrieröl Raumtemperatur / Room-temperature calibration fluid**

(Contd. of page 6)

**Chemicals known to cause reproductive toxicity for males:**

None of the ingredients is listed.

**Chemicals known to cause developmental toxicity:**

None of the ingredients is listed.

**Carcinogenicity categories****EPA (Environmental Protection Agency)**

None of the ingredients is listed.

**TLV (Threshold Limit Value)**

None of the ingredients is listed.

**NIOSH-Ca (National Institute for Occupational Safety and Health)**

None of the ingredients is listed.

**GHS label elements** Void**Hazard pictograms** Void**Signal word** Void**Hazard statements** Void**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.

©2006 2022 Kistler Group, Eulachstrasse 22, 8408 Winterthur, Switzerland

Phone +41 52 224 11 11, Fax +41 52 224 14 14, info@kistler.com, www.kistler.com

Kistler is a registered trademark of Kistler Holding AG.

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

**Contact:****Date of preparation / last revision** 02/21/2025 / -**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

DOT: US Department of Transportation

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)

NFPA: National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (USA)

VOC: Volatile Organic Compounds (USA, EU)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

NIOSH: National Institute for Occupational Safety

OSHA: Occupational Safety &amp; Health

TLV: Threshold Limit Value

PEL: Permissible Exposure Limit

REL: Recommended Exposure Limit

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