

# SAFETY DATA SHEET

Conforms to EU regulation EC 1907/2006 - ISO 11014-1

**Product:** 27657 special lubricant for stop cock **Version:** 2, January 2011 **page:**1/4

## 1. Identification of the substance/ preparation and company/ undertaking

**Product:**

**27657**

**special lubricant for stop cocks**

**Manufacturer:**

KARL STORZ GmbH & Co.  
Mittelstraße 8  
D - 78532 Tuttlingen  
Tel.: 07461 / 708 - 0

**Prepared by:**

Dep. Technical Quality

**Product use:**

special lubricant for stop cocks of endoscopes

**2. Hazards identification**

<b>Hazard designation:</b>	Void.
<b>Information pertaining to particular dangers for man and environment:</b>	Void.
<b>Classification system:</b>	The classification is in line with current EC lists. It is expanded, however, by information from technical literature and by information furnished by supplier companies.
<b>Additional information:</b>	Please take care of the precautions for the treatment of fluorine containing products. Dangerous decomposition products may be formed at temperature exceeding 300 °C.

**3. Composition/ information on ingredients**

<b>Chemical characterization:</b>	
<b>Description:</b>	Preparation of organic thickener in synthetic oil with additives.
<b>Dangerous components:</b>	Void.

**4. First aid measure**

<b>General information:</b>	Instantly remove any clothing soiled by the product.
<b>After inhalation:</b>	Not applicable, solid without solvents.
<b>After skin contact:</b>	Wash with water and soap and rinse thoroughly.
<b>After eye contact:</b>	Rinse opened eye for several minutes under running water. Then consult doctor.
<b>After swallowing:</b>	Seek medical treatment.

**5. Fire-fighting measures**

<b>Suitable extinguishing agents:</b>	CO <sub>2</sub> , extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.
<b>For safety reasons unsuitable extinguishing agents:</b>	Water with a full water jet.
<b>Special hazards caused by the material, its products of combustion or flue gases:</b>	Hydrogen (HF) Carbonmonoxid (CO) and carbondioxide (CO <sub>2</sub> )
<b>Protective equipment:</b>	Do not inhale explosion gases or combustion gases. Wear self-contained breathing apparatuses.

**6. Accidental release measures**

<b>Person-related safety precautions:</b>	Particular danger of slipping on leaked/ spilled product.
<b>Measure for environmental protection:</b>	Do not allow product to reach sewage system or water bodies.
<b>Measure for cleaning/ collecting:</b>	Collect mechanically. Dispose of the material collected according to regulations.
<b>Additional information:</b>	No dangerous materials are released.

**7. Handling and storage**

<b>Handling:</b>	
<b>Information for safe handling:</b>	Do not smoke while handling the product.
<b>Information about protection against explosions and fires:</b>	No special measures required.
<b>Storage:</b>	
<b>Requirements to be met by storerooms and containers:</b>	Store only in the original container.
<b>Information about storage in one common storage facility:</b>	Store away from oxidizing agents.
<b>Further information about storage conditions:</b>	

**Recommended storage temperature:** room temperature

### 8. Exposure controls/ personal protection

**Additional information about design of technical systems:** No further data; see item 7.

**Components with critical 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 workplace.

**Personal protective equipment:**

**General protective and hygienic measures:** The usual precautionary measures should be adhered to while handling the lubricant.

**Breathing equipment:** Not required.

**Protection of hands:** Protective gloves.

**Material of gloves:** Nitrile rubber, NBR

**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.

**Gloves made of the following materials are not suitable:** Leather gloves  
Strong gloves

**Eye protection:** Safety glasses recommended during refilling.

**Body protection:** Protective work clothing.

### 9. Physical and chemical properties

**General Information:**

**Form:** Paste

**Colour:** White

**Smell:** Fruit-like

**Change in condition:**

**Melting point/ Melting range:** Not determined.

**Boiling point/ Boiling range:** Not determined.

**Flashpoint:** 200°C (ISO 2592) Base oil

**Self-inflammability:** Product is not self igniting.

**Danger of explosion:** Product is not explosive.

**Density at 20°C:** 1,3 g/cm<sup>3</sup> (DIN 51757)

**Solubility in/ Miscibility with water:** insoluble

### 10. Stability and reactivity

**Thermal decomposition/ conditions to be avoided:** To avoid thermal decomposition do not overheat.

**Dangerous reactions:** Reacts with oxygen

**Dangerous products of decomposition:** Flourinated hydrocarbons

### 11. Toxicological information

**Acute toxicity:**

**Primary irritant effect:**

**on the skin:** No irritant effect.

**on the eye:** No irritant effect.

**Additional toxicological information:** If used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

### 12. Ecological information

**Information about elimination (persistence and degradability):**

**Other information:** The product ist slightly biodegradable.

<b>General notes:</b>	At present there are no ecotoxicological assessments.
<b>13. Disposal considerations</b>	
<b>Product:</b>	
<b>Recommendation:</b>	Not to be disposed of together with household garbage. Do not allow product to reach sewage system.
<b>European waste catalogue:</b>	Naming waste key from european waste catalogue (AVV) is not possible for assignment of waste key follows branch. Therefore several codes can be related to one product. The correct classification can only be provided by the user.
<b>Uncleaned packagings:</b>	
<b>Recommendation:</b>	Disposal must be according to official regulations.
<b>14. Transpost information</b>	
<b>Land transport ADR/ RID and GGVS/ GGVE (cross-border/ domestic):</b>	
<b>ADR/ RID- GGVS/ E Class:</b>	---
<b>Maritime transport IMDG7 GGVSea:</b>	
<b>Marine pollutant:</b>	none
<b>IMDG/ GGVSea-Class:</b>	---
<b>Air transport ICAO-TI and IATA-DGR:</b>	
<b>ICAO/ IATA-Class:</b>	---
<b>Transport/ Additional information:</b>	Not dangerous according to the above specifications.
<b>15. Regulatory information</b>	
<b>Designation according to EC guidelines:</b>	The product is not subject to classification according to the calculation methods of the "General Classification Guideline for Preparations of the EC" as issued in the last version.
<b>National regulations:</b>	
<b>Water hazard class:</b>	Water hazard class 1 (Self-assessment): slightly hazardous for water.
<b>16. Other information</b>	
<b>Version:</b>	2
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<b>Prepared by:</b>	Dep.: Technical Quality