



# Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 20.04.2017

Version 3

Revision: 20.04.2017

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1 Product identifier

**Product name:** Perfluorooctanesulfonamide  
**Product number:** 122563  
**CAS number:** 754-91-6

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

**Identified uses :** Laboratory chemicals, Manufacture of substances

### 1.3 Details of the supplier of the safety data sheet

**Manufacturer/Supplier:** J&K Scientific bvba  
Louis Pasteurstraat 11 POB 103, B-3920 Lommel, Belgium  
Telephone/Fax: +32 (0) 11 34 03 90 / +32 (0) 11 79 39 17  
E-mail address: jkeu@jk-scientific.com  
J&K Scientific Ltd.  
AEF 18/F Bldg-D Majesty Garden 6 Bei-Si-Huan-Zhong Rd. Beijing  
Telephone/Fax: +86 10 8284 8833 / +86 10 8284 9933  
E-mail address: jkinfo@jkchemical.com

**Further information obtainable from:**

Product safety department

### 1.4 Emergency telephone

**number:** +86 10 8284 2121(CN) +32 (0) 11 34 03 90(EU)  
Deutschland : Giftinformationszentrum Nord +49 551 19240

## SECTION 2: Hazards identification

### 2.1 Classification according to Regulation (EC) No 1272/2008



GHS07

Skin Irrit. 2 H315 Causes skin irritation.  
Eye Irrit. 2 H319 Causes serious eye irritation.  
STOT SE 3 H335 May cause respiratory irritation.

### 2.2 Label elements

#### Labelling according to

#### Regulation (EC) No 1272/2008

#### Hazard pictograms

The substance is classified and labelled according to the CLP regulation.



GHS07

#### Signal word

Warning

#### Hazard statements

H315 Causes skin irritation.  
H319 Causes serious eye irritation.  
H335 May cause respiratory irritation.

(Contd. on page 2)

# Safety data sheet

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**Product name:** Perfluorooctanesulfonamide

<b>Precautionary statements</b>	P280	Wear protective gloves/protective clothing/eye protection/face protection.
	P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

(Contd. of page 1)

## 2.3 Other hazards

### Results of PBT and vPvB assessment

**PBT:** Not applicable.

**vPvB:** Not applicable.

## SECTION 3: Composition/information on ingredients

### 3.1 Chemical characterisation: Substances

<b>CAS No. Description</b>	754-91-6 Perfluorooctanesulfonamide
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## SECTION 4: First aid measures

### 4.1 Description of first aid measures

**After inhalation:** If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

**After skin contact:** Immediately wash with water and soap and rinse thoroughly.

**After eye contact:** Rinse opened eye for several minutes under running water. Then consult a doctor.

**After swallowing:** Do not induce vomiting; call for medical help immediately.

### 4.2 Most important symptoms and effects, both acute and delayed

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

### 4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

**Suitable extinguishing agents:** Use fire extinguishing methods suitable to surrounding conditions.

### 5.2 Special hazards arising from the substance or mixture

Carbon oxides, nitrogen oxides, hydrogen fluoride, sulfur oxides.

### 5.3 Advice for firefighters

Wear self contained breathing apparatus for fire fighting if necessary.

## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

Wear protective clothing.

### 6.2 Environmental precautions:

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

(Contd. on page 3)

# Safety data sheet

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Version 3

Revision: 20.04.2017

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(Contd. of page 2)

## 6.3 Methods and material for containment and cleaning

**up:** Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.

## 6.4 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.

## SECTION 7: Handling and storage

### 7.1 Handling:

**Precautions for safe handling** No special measures required. For precautions see section 2.2.

**Information about fire - and explosion protection:**

No special measures required.

### 7.2 Conditions for safe storage, including any incompatibilities

Store in a cool place. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

### 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.

**Storage class:**

LGK 13: Non-combustible solids that cannot be assigned to any of the above storage classes

### 7.3 Specific end use(s)

A part from the uses mentioned in section 1.2, no other specific uses are stipulated

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

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

Not required.

**Additional Occupational Exposure Limit Values for possible hazards during processing:**

Install a closed system or local exhaust as possible so that workers should not be exposed directly. Also install safety shower and eye bath.

**Additional information:**

The lists valid during the making were used as basis.

### Exposure controls

### 8.2 Personal protective equipment:

**General protective and hygienic measures:**

Keep away from foodstuffs, beverages and feed.  
Immediately remove all soiled and contaminated clothing  
Wash hands before breaks and at the end of work.  
Avoid contact with the eyes and skin.

(Contd. on page 4)

# Safety data sheet

according to 1907/2006/EC, Article 31

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Version 3

Revision: 20.04.2017

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(Contd. of page 3)

**Respiratory protection:** In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

**Protection of hands:**



Protective gloves

**Material of gloves**

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

Full contact

Material: Fluorinated rubber

Minimum layer thickness: 0,7 mm

Break through time: 480 min

Material tested: Vitoject® (KCL 890 / Aldrich Z677698, Size M)

Splash contact

Material: Fluorinated rubber

Minimum layer thickness: 0,7 mm

Break through time: 480 min

If used in solution, or mixed with other substances, and under conditions which differ from EN 374, contact the supplier of the CE approved gloves. This recommendation is advisory only and must be evaluated by an industrial hygienist and safety officer familiar with the specific situation of anticipated use by our customers.

**Eye/face protection:**



Tightly sealed goggles

**Body protection:**

Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

**Limitation and supervision of exposure into the environment**

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

#### General Information

**Appearance:**

Form: Solid

Colour: White

**Odour:** Characteristic

**Odour threshold:** Not determined.

**pH-value:** Not applicable.

#### Change in condition

**Melting point/freezing point:** 145-150 °C

**Initial boiling point and boiling range:** Undetermined.

**Flash point:** Not applicable.

(Contd. on page 5)

# Safety data sheet

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Version 3

Revision: 20.04.2017

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(Contd. of page 4)

<b>Flammability (solid, gas):</b>	Product is not flammable.
<b>Ignition temperature:</b>	
Decomposition temperature:	Not determined.
<b>Auto-ignition temperature:</b>	Not determined.
<b>Explosive properties:</b>	Product does not present an explosion hazard.
<b>Explosion limits:</b>	
Lower:	Not determined.
Upper:	Not determined.
<b>Vapour pressure:</b>	Not applicable.
<b>Density:</b>	Not determined.
<b>Bulk density:</b>	Not determined.
<b>Relative density</b>	Not determined.
<b>Vapour density</b>	Not applicable.
<b>Evaporation rate</b>	Not applicable.
<b>Solubility in / Miscibility with water:</b>	Not determined.
<b>Partition coefficient: n-octanol/water:</b>	Not determined.
<b>Viscosity:</b>	
Dynamic:	Not applicable.
Kinematic:	Not applicable.
<b>9.2 Other information</b>	No further relevant information available.

## SECTION 10: Stability and reactivity

<b>10.1 Reactivity</b>	No further relevant information available.
<b>10.2 Chemical stability</b>	Stable under recommended storage conditions.
<b>Thermal decomposition / conditions to be avoided:</b>	No decomposition if used according to specifications.
<b>10.3 Possibility of hazardous reactions</b>	No dangerous reactions known.
<b>10.4 Conditions to avoid</b>	No further relevant information available.
<b>10.5 Incompatible materials</b>	No further relevant information available.
<b>10.6 Hazardous decomposition products:</b>	No dangerous decomposition products known.

## SECTION 11: Toxicological information

<b>11.1 Information on toxicological effects</b>	
<b>Acute toxicity</b>	No data available
<b>Primary irritant effect:</b>	
<b>Skin corrosion/irritation</b>	Causes skin irritation.
<b>Serious eye damage/irritation</b>	Causes serious eye irritation.
<b>Respiratory or skin sensitisation</b>	Based on available data, the classification criteria are not met.
<b>CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)</b>	
<b>Germ cell mutagenicity</b>	Based on available data, the classification criteria are not met.
<b>Carcinogenicity</b>	Based on available data, the classification criteria are not met.
<b>Reproductive toxicity</b>	Based on available data, the classification criteria are not met.
<b>STOT-single exposure</b>	May cause respiratory irritation.
<b>STOT-repeated exposure</b>	Based on available data, the classification criteria are not met.

(Contd. on page 6)

# Safety data sheet

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Version 3

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(Contd. of page 5)

Aspiration hazard Based on available data, the classification criteria are not met.

## SECTION 12: Ecological information

### 12.1 Toxicity

**Aquatic toxicity:** No further relevant information available.

### 12.2 Persistence and

#### degradability

No further relevant information available.

### 12.3 Behaviour in environmental systems:

**Bioaccumulative potential** No further relevant information available.

### 12.4 Mobility in soil

No further relevant information available.

#### Additional ecological information:

**General notes:** Not known to be hazardous to water.

### 12.5 Results of PBT and vPvB assessment

**PBT:** Not applicable.

**vPvB:** Not applicable.

**12.6 Other adverse effects** No further relevant information available.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

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

### 13.2 Uncleaned packaging:

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

## SECTION 14: Transport information

### 14.1 UN-Number

ADR, ADN, IMDG, IATA Not regulated

### 14.2 UN proper shipping name

ADR, ADN, IMDG, IATA Not regulated

### 14.3 Transport hazard class(es)

ADR, ADN, IMDG, IATA

#### Class

Not regulated

### 14.4 Packing group

ADR, IMDG, IATA

Not regulated

### 14.5 Environmental hazards:

**Marine pollutant:**

No

### 14.6 Special precautions for user

Not applicable.

### 14.7 Transport in bulk according to Annex II of

Marpol and the IBC Code

Not applicable.

### 14.8 Transport/Additional information:

Not dangerous according to the above specifications.

**UN "Model Regulation":**

Not regulated

(Contd. on page 7)

# Safety data sheet

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(Contd. of page 6)

## SECTION 15: Regulatory information

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

**Chinese Chemical Inventory of Existing Chemical Substances**      Substance is listed.

**Directive 2012/18/EU  
Named dangerous substances -  
ANNEX I**      Substance is not listed.

### 15.2 Chemical safety

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

## SECTION 16: Other information

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.

**Abbreviations and acronyms:**

- ADR: Accord européen sur le transport 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
- GHS: Globally Harmonised System of Classification and Labelling of Chemicals
- CAS: Chemical Abstracts Service (division of the American Chemical Society)
- PBT: Persistent, Bioaccumulative and Toxic
- vPvB: very Persistent and very Bioaccumulative
- Skin Irrit. 2: Skin corrosion/irritation – Category 2
- Eye Irrit. 2: Serious eye damage/eye irritation – Category 2
- STOT SE 3: Specific target organ toxicity (single exposure) – Category 3