

**SECTION 1: Identification****1.1. Product identifiers**

Product Code	: Kumi1Fo8
Substance name	: Fluoromethyl Phenyl Sulfone
Synonym	: Fluoromethylsulfonylbenzene
CAS No	: 20808-12-2
Reach No.	: A registration number is not available for this substance as the substance or its uses are exempted from registration, the annual tonnage does not require a registration or the registration is envisaged for a later registration deadline.

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

Identified Uses	: Laboratory chemicals Manufacture of substances Scientific research and development
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**1.3. Details of the supplier of the safety data sheet**

Kumidas SA  
Avenue Louise 279,1050,Brussels, Belgium  
T: +32(0) 2 699 82 36 F: +32(0) 2 699 82 36 40  
E: [info@kumidas.com](mailto:info@kumidas.com) W: [www.kumidas.com](http://www.kumidas.com)

**1.4. Emergency telephone number**

Emergency Phone# : +32(0)484 58 71 75

**SECTION 2: Hazard(s) identification****2.1. Classification of the substance or mixture****Classification according to Regulation (EC) No 1272/2008**

Skin corrosion/irritation (Category 2), H315

Serious eye damage/eye irritation (Category 2), H319


For the full text of the H-Statements mentioned in this Section, see Section 16.

**Classification according to EU Directives 67/548/EEC or 1999/45/EC**

Irritating to skin, R38.

Irritating to eyes, R36.

**2.2. Label elements****Labeling according to Regulation (EC) No 1272/2008**

Hazard pictograms	: 
Signal word	: Danger
Hazard statements	: H315 – Causes skin irritation. H319 – Causes serious eye irritation.
Precautionary statements	: P264 – Wash hands and face thoroughly after handling. P280 – Wear protective gloves/protective clothing/eye protection/face protection. P302+P352+P332+P313+P362+P364 – IF ON SKIN: wash with plenty of water. IF SKIN IRRITATION occurs: get medical advice or attention. Take off contaminated clothing and wash it before reuse. P305+P351+P338+P337+P313 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF EYE IRRITATION persists: get medical advice or attention.
Supplemental Hazard Statements (EU)	: None

**2.3. Other hazards**

None

# Fluoromethyl Phenyl Sulfone

## Safety Data Sheet

According to Regulation (EC) No. 1907/2006

### SECTION 3: Composition/information on ingredients

#### 3.1. Substances

Substance type : Mono-constituent  
Formula : C<sub>7</sub>H<sub>7</sub>FO<sub>2</sub>S  
Molecular weight : 174.19 g/mol  
Hazardous ingredients according to Regulation (EC) No 1272/2008

Component	Product identifier	Concentration	Classification
Fluoromethyl Phenyl Sulfone (Main constituent)	(CAS No.) 20808-12-2	≤ 100%	Skin Irrit. 2, H315 Eye Irrit. 2, H319

Full text of H-statements: see section 16

#### 3.2. Mixture

Not applicable

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

##### General advice

Consult a physician. Show this safety data sheet to the doctor in attendance.

##### If inhaled

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

##### In case of skin contact

Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water. Take victim immediately to hospital. Consult a physician. First treatment with calcium gluconate paste.

##### In case of eye contact

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

##### If swallowed

Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

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

No data available.

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

Treat symptomatically.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

##### Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

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

Carbon oxides, Sulphur oxides, Hydrogen fluoride.

#### 5.3. Advice for firefighters

Wear self-contained breathing apparatus for firefighting if necessary.

#### 5.4. Further information

No data available.

### SECTION 6: Accidental release measures

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

Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust. For personal protection see section 8.

#### 6.2. Environmental precautions

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

#### 6.3. Methods and material for containment and cleaning up

Mix with sand or vermiculite. Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations (see section 13).

# Fluoromethyl Phenyl Sulfone

## Safety Data Sheet

According to Regulation (EC) No. 1907/2006

### 6.4. Reference to other sections

For disposal see section 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed. For precautions see section 2.2.

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

Store in 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.

### 7.3. Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Components with workplace control parameters

Contains no substances with occupational exposure limit values.

### 8.2. Exposure controls

#### Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and immediately after handling the product.

#### Personal protective equipment

##### Eye/face protection

Tightly fitting safety goggles. Faceshield (8-inch minimum). Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

##### Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

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

##### 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.

##### Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

##### Control of environment exposure

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

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Appearance	: Viscous Liquid
Color	: Colorless to Slightly pale yellow
Odor	: No data available
Odor threshold	: No data available
pH	: No data available
Melting point	: 53°C
Freezing point	: No data available
Initial boiling point and boiling range	: No data available
Flash point	: No data available
Evaporation rate	: No data available
Flammability (solid, gas)	: No data available
Explosion limits	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available
Vapor pressure	: No data available

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According to Regulation (EC) No. 1907/2006

Relative density	: No data available
Relative vapor density at 20 °C	: No data available
Molecular Weight	: 174.19 g/mol
Solubility	: No data available
Log Pow	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available

### 9.2. Other safety information

No data available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No data available

### 10.2. Chemical stability

The product is stable at normal handling and recommended storage conditions.

### 10.3. Possibility of hazardous reactions

No data available

### 10.4. Conditions to avoid

No data available.

### 10.5. Incompatible materials

Strong oxidizing agents.

### 10.6. Hazardous decomposition products

Hazardous decomposition products formed under fire conditions. - Carbon oxides, Sulphur oxides, Hydrogen fluoride.

Other decomposition products – No data available.

In the event of fire: see section 5.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity	No data available
Skin corrosion/irritation	Irritant for skin and mucous membranes
Serious eye damage/irritation	Irritant effect
Respiratory or skin sensitization	No data available
Germ cell mutagenicity	No data available
Carcinogenicity	No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
Reproductive toxicity	No data available
Specific target organ toxicity(single exposure)	No data available
Specific target organ toxicity (repeated exposure)	No data available
Additional Information	RTECS: Not available To the best of our knowledge the acute and chronic toxicity of this substance is not fully known. No classification data on carcinogenic properties of this material is available from the EPA, IARC, NTP, OSHA or ACGIH.

## SECTION 12: Ecological information

### 12.1. Toxicity

No data available

### 12.2. Persistence and degradability

No data available

### 12.3. Bioaccumulative potential

No data available

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## Safety Data Sheet

According to Regulation (EC) No. 1907/2006

### 12.4. Mobility in soil

No data available

### 12.5. Results of PBT and vPvB assessment

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted.

### 12.6. Other adverse effects

No data available

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

#### Product

Offer surplus and non-recyclable solutions to a licensed disposal company.

#### Contaminated packaging

Dispose of as unused product.

## SECTION 14: Transport information

### 14.1. UN number

ADR/RID: Not listed

IMDG: Not listed

IATA: Not listed

### 14.2. UN proper shipping name

ADR/RID: Does not correspond to the hazardous classification standard of the United Nations

IMDG: Does not correspond to the hazardous classification standard of the United Nations

IATA: Does not correspond to the hazardous classification standard of the United Nations

### 14.3. Transport hazard class (es)

ADR/RID: Not listed

IMDG: Not listed

IATA: Not listed

### 14.4. Packaging group

ADR/RID: Not listed

IMDG: Not listed

IATA: Not listed

### 14.5. Environmental hazards

ADR/RID: no

IMDG: Marine pollutant: no

IATA: no

### 14.6. Special precautions for user

No data available

## SECTION 15: Regulatory information

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

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

International Chemical Weapons Convention (CWC) Schedules of Toxic Chemicals and Precursors:

Neither banned nor restricted

Restrictions on the marketing and use of certain dangerous substances and preparations:

Neither banned nor restricted

Regulation (EC) No 649/2012 of the European Parliament and the Council concerning the export and import of dangerous chemicals:

Neither banned nor restricted

REACH-Candidate list of Substances of Very High Concern for Authorisation (Article 59):

This product does not contain substances of very High concern (Regulation(EC) No 1907/2006(REACH), Article 57).

### 15.2. Chemical safety assessment

No data available.

## SECTION 16: Other information

### 16.1. Full text of H-statements referred to under sections 2 and 3.

H315	Causes skin irritation
H319	Causes serious eye irritation

### 16.2. Further information

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It, therefore, does not represent any guarantee of the properties of the product. Kumidas shall not be held liable or any damage resulting from handling or from contact with the above product.