

## MATERIAL SAFETY DATA SHEET

### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

#### 1.1 Product identifiers

Product Name: 1-(3,5-Dimethoxyphenyl)piperazine  
 CAS Number: 53557-93-0  
 Catalog Numbers: 356

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

Identified uses: For R&D use only

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

Company	: Aaron Chemistry GmbH
	: Am Fischweiher 41-43
	: D-82481 Mittenwald
	: Germany
Telephone:	: +49-8823-917521
Fax:	: +49-8823-917523
email:	: info@aaron-chemistry.de

1.4 Emergency telephone number :+49-8823-917521

### 2. HAZARDS IDENTIFICATION

#### 2.1 Classification of the substance or mixture

##### GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

Acute toxicity, oral(Category 4)	H302
Acute toxicity, dermal(Category 3)	H311
Skin corrosion/irritation(Category 1B)	H314
No Resource File	

#### 2.2 GHS Label elements, including precautionary statements

Pictogram



Signal word Danger

##### Hazard statement(s)

H302	Harmful if swallowed
H311	Toxic in contact with skin
H314	Causes severe skin burns and eye damage

##### Precautionary statement(s)

P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P264	Wash hands thoroughly after handling
P270	Do not eat, drink or smoke when using this product.
P271	Use only outdoors or in a well-ventilated area.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P301+P310	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P302+P352	IF ON SKIN: Wash with plenty of soap and water.
P304+P340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310	Immediately call a POISON CENTER or doctor/physician.
P330	Rinse mouth.
P332+P313	If skin irritation occurs: Get medical advice/attention.
P362	Take off contaminated clothing and wash before reuse.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P405	Store locked up.
P501	Dispose of contents/container to in accordance with local regulation

### 2.3 Associated risk phrases according to european directive 67/548/EEC

Hazard symbol(s)



#### R-phrase(s)

R22	Harmful if swallowed.
R24	Toxic in contact with skin.
R34	Causes burns.

#### S-phrase(s)

S1	Keep locked up.
S20/21	When using do not eat, drink or smoke.
S23	Do not breathe gas/fumes/vapour/spray.
S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S27	Take off immediately all contaminated clothing.
S28	After contact with skin, wash immediately with plenty of water.
S28B	After contact with skin, wash immediately with plenty of water and soap.
S44	If you feel unwell, seek medical advice (show the label where possible).
S46	If swallowed, seek medical advice immediately and show this container or label.
S51	Use only in well-ventilated areas.
S57	Use appropriate containment to avoid environmental contamination.
S61	Avoid release to the environment. Refer to special instructions/Safety data sheets.
S7/9	Keep container tightly closed and in a well-ventilated place

### 3. COMPOSITION, INFORMATION ON INGREDIENTS

**Molecular Formula:** C<sub>12</sub>H<sub>18</sub>N<sub>2</sub>O<sub>2</sub>

**Molecular Weight:** 222.28g/mol

Component	Concentration	
1-(3,5-Dimethoxyphenyl)piperazine		
CAS Number	53557-93-0	-

---

#### 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. Move out of dangerous area.

###### 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.

###### In case of eye contact

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician. Continue rinsing eyes during transport to hospital.

###### 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

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

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

no data available

---

#### 5. FIRE FIGHTING MEASURES

##### 5.1 Extinguishing media

Suitable extinguishing media: alcohol-resistant foam, dry chemical or carbon dioxide

Unsuitable extinguishing media: no data

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

In combustion toxic fumes may form.

##### 5.3 Advice for firefighters

Wear self-contained breathing apparatus.

Wear protective clothing to prevent contact with skin and eyes.

---

#### 6. ACCIDENTAL RELEASE MEASURES

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

Wear respiratory protection. Avoid dust formation. Avoid breathing vapours, mist or gas.

Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.

Do not attempt to take action without suitable protective clothing.

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 or river.

Alert the neighbourhood to the presence of fumes or gas.

##### 6.3 Methods and materials for containment and cleaning up

Mix with sand or vermiculite. Sweep up and shovel. Transfer to a closable, labelled salvage container for disposal by an appropriate method.

##### 6.4 Reference to other sections

For disposal see section 13.

---

## 7. HANDLING AND STORAGE

### 7.1 Precautions for safe handling

Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Wash hands thoroughly after handling. Ensure there is sufficient ventilation of the area.

Normal measures for preventive fire protection. For precautions see section 2.2.

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

Keep container tightly closed in a dry and well-ventilated area. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Store at 2-8 °C.

### 7.3 Specific end use(s)

The end use(s) have not been fully determined. The substance is supplied for Research and Development purposes by professionals only.

---

## 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 at the end of workday.

#### Personal protective equipment

##### Eye/face protection

Face shield and safety glasses 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.

##### 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

For nuisance exposures use type P95 (US) or type P1 (EU EN 143) particle respirator. For higher level protection use type OV/AG/P99 (US) or type ABEK-P2 (EU EN 143) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

##### Control of environmental exposure

Do not let product enter drains.

---

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Liquid
Boiling Point	381.7°C
Melting Point	No data available
Odour	No data available
Odour Threshold	No data available

pH	No data available
Flash point	No data available
Evaporation rate	No data available
Vapour pressure	No data available
Vapor Density	No data available
Relative density	No data available
Solubility in water	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Viscosity No Data	No data available
Explosive properties	No data available
Oxidizing properties	No data available

---

## 10. STABILITY AND REACTIVITY

### 10.1 Reactivity

No data available

### 10.2 Chemical stability

Stable under 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, Strong acids, Acid chlorides, Acid anhydrides

### 10.6 Hazardous decomposition products

Carbon monoxide, carbon dioxide, nitrogen oxides..

---

## 11. TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

Acute Toxicity	No date available
Skin corrosion/irritation	Irritant for skin and mucous membranes
Serious eye Damage/irritation	Irritant effect
Respiratory or skin sensitisation	No date available
Germ Cell mutagenicity	No date available
Carcinogenicity	No date available
Reproductive toxicity	No date available
STOT-single exposure	No date available
STOT-repeated exposure	No date available
Aspiration hazard	No date available

### 11.2 Additional

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

---

## 12. ECOLOGICAL INFORMATION

### 12.1 Toxicity

No data available.

**12.2 Persistence and degradability**

No data available.

**12.3 Bioaccumulative potential**

No data available.

**12.4 Mobility in soil**

No data available.

**12.5 Results of PBT and vPvB assessment**

No data available.

**12.6 Other adverse effects**

No data available.

---

**13. DISPOSAL CONSIDERATIONS**

**13.1 Waste treatment methods**

**Disposal Operations**

Consult state, local or national regulations for proper disposal. Hand over to authorised disposal company as hazardous waste.

**Disposal of Packaging**

Disposal must be made according to official regulations.

---

**14. TRANSPORT INFORMATION**

**DOT (US)**

UN number: 2810                      Class: 6.1                      Packing group: II

Proper shipping name: Toxic substance, liquid, organic, n.o.s.

Environmental hazards: No

**IMDG**

UN number: 2810                      Class: 6.1                      Packing group: II

Proper shipping name: Toxic substance, liquid, organic, n.o.s.

Environmental hazards: No

**IATA**

UN number: 2810                      Class: 6.1                      Packing group: II

Proper shipping name: Toxic substance, liquid, organic, n.o.s.

Environmental hazards: No

---

**15. REGULATORY INFORMATION**

**Safety, health and environmental and national regulations:**

Product is not subject to any additional regulations or provisions

**Safety Assessment**

No Chemical Safety Assessment

---

**16. OTHER INFORMATION**

Copyright 2012 Aaron Chemistry GmbH. License granted to make unlimited paper copies for internal use only.

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 does not represent any guarantee of the properties of the product. Aaron Chemistry GmbH shall not be held liable for any damage resulting from handling or from contact with the above product.