

1: Identification of substance / mixture

1. Product Identifier

Substance

Product Name **1-(2,4-Dichlorophenyl)piperazinedihydrochloride**
 Product Code 76
 CAS Number 827614-48-2
 Other Names
 IUPAC
 MFCD Number MFCD03094711
 EC/EINECS
 REACH Number

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

Research and Development

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



4 Emergency telephone number :+49-8823-917521

2. Hazards Identification

1. Classification of the substance or mixture

| | | |
|------|---------------|-----|
| H315 | Skin Irrit. 2 | R38 |
| H319 | Eye Irrit. 2 | R36 |
| H335 | STOT SE 3a | R37 |

* The risk codes have been generated using Annex VII of directive 67/548/EEC. Risk code combinations are not included.

2. Label elements

Signal Word **Warning**

Hazard Statements

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

Precautionary Phrases

| | |
|--------------------|----------------------------------------------------------------------------------------------------------------------------------|
| P264 | Wash hands thoroughly after handling. |
| 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. |
| P332 + P313 | If skin irritation occurs: Get medical advice/attention. |
| P337 + P313 | If eye irritation persists: Get medical advice/attention. |

Safety Data Sheet

Revision: 1.00
Modified: 07/02/2012

3. Other Hazards

Additional precautionary phrases are located throughout the safety data sheet

3.Composition / Information on Ingredients

1. Substances

1-(2,4-Dichlorophenyl)piperazinedihydrochloride

Assay:100% CAS Number :827614-48-2

2. Mixtures

Not Relevant

4.First Aid Measures

1.Description of first aid measures

| | |
|---------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <i>Skin Contact</i> | IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/ attention. |
| <i>Eye Contact</i> | If eye irritation persists: Get medical advice/attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| <i>Ingestion</i> | Wash out mouth with water. |
| <i>Inhalation</i> | IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. |

2.Most important symptoms and effects

No symptoms.

3.Indication of any immediate medical attention

Call a POISON CENTER or doctor/physician if you feel unwell.
No additional measures required

5.Firefighting measures

1.Extinguishing Media

| | |
|-------------------|---------------------------------------------------|
| <i>Suitable</i> | Carbon dioxide. Dry chemical powder. Water. |
| <i>Unsuitable</i> | Do not use water with a full water jet |

2.Special Hazards arising from the substance or mixture

In combustion toxic fumes may form.

3.Advice for Fire Fighters

Wear protective clothing to prevent contact with skin and eyes.
Wear self-contained breathing apparatus.

6.Accidental Release Measures

1.Personnal Precautions

Refer to section 8 of SDS for personal protection details.

2.Environmental Precautions

Do not discharge into drains or rivers.

Safety Data Sheet

Revision: 1.00
Modified: 07/02/2012

3.Methods & Materials

Mix with sand or vermiculite.
Transfer to a suitable container.

7.Handling and Storage

1.Personnal Precautions

| | |
|------------------------------------------------|---------------------------------------------------------------------------------------------------------|
| <i>Safe Handling</i> | Handle in fume hood. Wash hands immediately after contamination. Wash handsoughly after handling. |
| <i>Protection against explosions and fires</i> | Take off contaminated clothing and wash before reuse. normal measures for preventive fire protection |

2.Conditions for safe storage, including any incompatibilities

| | |
|-------------------------------|------------------------------------------------------------------------------------------|
| <i>Managing Storage Risks</i> | Keep container tightly closed. Store in cool, well ventilated area. |
| <i>Storage Controls</i> | No special requirements |
| <i>Maintaining Integrity</i> | Keep in tightly closed container in cool area away from direct sunlight or heat sources. |
| <i>Other advice</i> | Store in a well-ventilated place. Keep container tightly closed. |

3.Specific End Uses

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

1. Control Parameters

No Data Available

2.Exposure Controls

| | |
|------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <i>General protective and hygiene measures</i> | Wear protective gloves/protective clothing/eye protection/face protection. . The standard precautionary measures should be adhered to when handling Wash hands during breaks and at the end of handling the material Immediately remove any contaminated clothing |
| <i>Engineering measures</i> | Use only outdoors or in a well-ventilated area. Ensure there is sufficient ventilation of the area. |
| <i>Eye / Face Protection</i> | Safety Glasses. |
| <i>Hand protection</i> | Protective gloves. |
| <i>Respiratory protection</i> | Avoid breathing dust/fume/gas/mist/vapours/spray.. Respiratory protection not required. |
| <i>Skin protection</i> | Protective clothing. |
| <i>Other personal protection advice</i> | no data |

Safety Data Sheet

Revision: 1.00
Modified: 07/02/2012

9. Physical and Chemical Properties

1. Physical and Chemical Properties

| | |
|----------------------------------------------|---------------------------------------|
| Appearance | White to off-white crystalline powder |
| Odour | Not Applicable |
| Odour threshold | Not Applicable |
| PH | Not Applicable |
| Melting point / Freezing point | Not Applicable |
| Initial boiling point and boiling range | Not Applicable |
| Flash point | Not Applicable |
| Evaporation rate | Not Applicable |
| Flammability(solid,gas) | Not Applicable |
| Upper/lower flammability or explosive limits | Not Applicable |
| Vapour pressure | Not Applicable |
| Vapour density | Not Applicable |
| Relative density | Not Applicable |
| Solubility(ies): | Not Applicable |
| Partition coefficient: n-octanol/water | Not Applicable |
| Auto-ignition temperature | Not Applicable |
| Decomposition temperature | Not Applicable |
| Viscosity | Not Applicable |
| Explosive properties | Not Applicable |
| Oxidising properties | Not Applicable |

2. Other Information

No additional information available

10. Stability and Reactivity

1. Reactivity

no unusual reactivity

2. Stability

Stable under normal conditions.

3. Possibility of Hazardous Reactions

no hazardous reactions known

4. Conditions to Avoid

no specific conditions to avoid

5. Incompatible Materials

Strong oxidizing agents.

6. Hazardous Decomposition Products

In combustion emits toxic fumes.

11. Toxicology information

Safety Data Sheet

Revision: 1.00
Modified: 07/02/2012

1. Information

| | |
|------------------------------------------|----------------------------------------|
| <i>Acute Toxicity</i> | no data |
| <i>Skin corrosion/irritation</i> | irritant for skin and mucous membranes |
| <i>Serious eye Damage/irritation</i> | irritant effect |
| <i>Respiratory or skin sensitisation</i> | No sensitizing effect known |
| <i>Germ Cell mutagenicity</i> | not known |
| <i>Carcinogenicity</i> | not known |
| <i>Reproductive toxicity</i> | not known |
| <i>STOT-single exposure</i> | not known |
| <i>STOT-repeated exposure</i> | not known |
| <i>Aspiration hazard</i> | not known |

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

1. Toxicity

not known

2. Persistence and degradability

not known

3. Bio-Accumulative Potential

not known

4. Mobility and Soil

not known

5. Results of PBT & vPvB assessment

not known

6. Other adverse effects

not known

13. Disposal Considerations

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

Air (ICAO)

Not classified as hazardous for transport

Road (ADR)

Not classified as hazardous for transport

Sea (IMDG)

Not classified as hazardous for transport

15. Safety, health and environmental regulations

1. Safety, health and environmental regulations:

product is not subject to any additional regulations or provisions

2. Safety Assessment

No Chemical Safety Assessment

16. Other Information

1. Other Information:

ADR: Accord Europeen sur le transport des marchandises Dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by road)

RID: Reglement International concernant le transport des marchandises dangereuses par chemin de fer (Regulations concerning the International transport of Dangerous Goods by Rail)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

IATA-DGR: Dangerous Goods Regulations by the International Air Transport Association

ICAO: International Civil Aviation Organization

ICAO-TI: Technical Instructions by the ICAO

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

CAS: Chemical Abstracts Service

2. Associated risk phrases according to european directive 67/548/EEC

| | |
|-----|-----------------------------------|
| R36 | Irritating to eyes. |
| R37 | Irritating to respiratory system. |
| R38 | Irritating to skin. |

3. Disclaimer

Safety Data Sheet

Revision: 1.00

Modified: 07/02/2012

The product listed is for research and development purposes only and not for human or animal use. As such, in most cases, the toxicological, ecological and physicochemical properties have not been fully determined and the product should be treated with respect and always handled under suitable conditions by appropriately qualified personnel. The responsible party shall use this datasheet only in conjunction with other sources of information gathered by them, and should make an independent judgement of suitability, to ensure proper use and protect the health and safety of employees. This information is furnished without warranty and any use of the product not in conformance with this material safety data sheet, or in combination with any other product or process, is the responsibility of the user.