



TECHNO PHARMCHEM

An ISO 9001 : 2008 Certified Company

Registered Off. : 101-A, Deep Enclave, Pocket "D", Ashok Vihar, Phase-III, Delhi-110 052 (India)
Corporate Off. : 152, Vardhman City Centre, Near Shakti Nagar Underbridge, Delhi-110052 (India)
Works : Plot No.1022, Modern Industrial Estate, Bahadurgarh-124507, Haryana (India)
Telephone : 0091 - 11 - 23646422 E-mail : tecpharm@gmail.com
Website : www.technopharmchem.com

DIPHENYLAMINE MATERIAL SAFETY DATA SHEET

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

Product form : Substance
CAS-No. : 122-39-4
Product code : 339335, 31243

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

1.2.1. Relevant identified uses

Industrial/professional use spec : Industrial
For professional use only :
Use of the substance/mixture : Laboratory Reagent

1.2.2. Uses advised against

No additional information available

1.3. Details of the manufacturer of the safety data sheet

Techno Pharmchem
Plot No.1022, Modern Industrial Estate,
Bahadurgarh-124507, India
info@technopharmchem.com

1.4. Emergency telephone number

Emergency number: +91 11 23646422 (9:30am – 5.30pm)

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification according to regulation (EC) No. 1272/2008[CLP]

Acute toxicity (oral), H301

Category 3

Acute toxicity (dermal), H311

Category 3

Acute toxicity (inhal.), H331

Category 3

Specific target organ toxicity- H373

Repeated exposure,

Category 2

Hazardous to the aquatic H400

environment-Acute Hazard,

Category 1

Hazardous to the aquatic H410

environment-Chronic Hazard,

Category 1

Full text of classification categories and H statements: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labeling according to regulation (EC) No. 1272/2008 [CLP]

| | | |
|--------------------------------|---|---|
| Signal word (CLP) | : | Danger |
| Hazard statements (CLP) | : | H301+H311+H331 - Toxic if swallowed, in contact with skin or if inhaled. H373 - May cause damage to organs through prolonged or repeated exposure. H410 - Toxic to aquatic life with long lasting effects. |
| Precautionary statements (CLP) | : | P273 - Avoid release to the environment. P280 - Wear protective clothing, eye protection, face protection, protective gloves. P301+P310 - IF SWALLOWED: Immediately call a doctor. P302+P352 - IF ON SKIN: Wash with plenty of water. P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing. P311 - Call a doctor. P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation. |

2.3. Other hazards

No additional information available

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substance

| | | |
|--------|---|---------------|
| Name | : | DIPHENYLAMINE |
| CAS No | : | 122-39-4 |

Full text of R- and H-statements: see section 16

3.2. Mixtures

Not applicable

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

| | | |
|---------------------------------------|---|---|
| First-aid measures general | : | Call a physician immediately. |
| First – aid measures after inhalation | : | Remove person to fresh air and keep comfortable for breathing. Allow affected person to breathe fresh air. If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a doctor. |



TECHNO PHARMCHEM

An ISO 9001 : 2008 Certified Company

Registered Off. : 101-A, Deep Enclave, Pocket "D", Ashok Vihar, Phase-III, Delhi-110 052 (India)
 Corporate Off. : 152, Vardhman City Centre, Near Shakti Nagar Underbridge, Delhi-110052 (India)
 Works : Plot No.1022, Modern Industrial Estate, Bahadurgarh-124507, Haryana (India)
 Telephone : 0091 - 11 - 23646422 E-mail : tecpharm@gmail.com
 Website : www.technopharmchem.com

- First – aid measures after skin contact : Immediately call a doctor. Wash with plenty of water/.... Wash skin with plenty of water. Take off immediately all contaminated clothing.
- First – aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical advice/attention.
- First – aid measures after ingestion : Obtain emergency medical attention. Rinse mouth. Call a physician immediately.

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

- Symptoms/effects : May cause damage to organs through prolonged or repeated exposure.
- Symptoms/injuries after inhalation : Toxic if inhaled
- Symptoms/injuries after skin contact : Toxic in contact with skin.
- Symptoms/effects after eye contact : None under normal conditions. Dust from this product may cause eye irritation
- Symptoms/effects after ingestion : Toxic if swallowed

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 : Carbon dioxide. Dry powder. foam. water spray.
- Unsuitable extinguishing media : Do not use a heavy water steam.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment, and emergency procedures

6.1.1. For non-emergency personnel

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Use personal protective equipment as required.
- Emergency procedures : Ventilate area.

6.2. Environmental precautions

Very toxic to aquatic life.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. On land, sweep or shovel into suitable containers.

6.4. Reference to other sections

No additional information available

SECTION 7: HANDLING AND STORAGE

7.1. Precaution for safe handling

Precautions for safe handling : Avoid contact with skin and eyes. only outdoors or in a well-ventilated area. Do not breathe vapours.
Hygiene measures : Do not eat, drink or smoke when using this product. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

7.2. Conditions for safe storage, including any compatibilities

Storage conditions : Keep container tightly closed. Store in a well-ventilated place.

7.3. Specific end use (S)

No additional information available

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

No additional information available

8.2. Exposure controls

Hand protection : Protective gloves
Eye protection : Chemical goggles or safety glasses
Skin and body protection : Wear suitable protective clothing
Respiratory protection : Wear respiratory protection.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical state : Solid
Color : White to off white.
Appearance : Powder. Flakes.
Molecular mass : 169.23 g/mol
Odor : Floral
Odor threshold : Not available
Melting Point : 52 – 55 °C
Freezing point : Not applicable
Boiling point : 302 °C



Serving Scientific Community
Since 1985



TECHNO PHARMCHEM

An ISO 9001 : 2008 Certified Company

Registered Off. : 101-A, Deep Enclave, Pocket "D", Ashok Vihar, Phase-III, Delhi-110 052 (India)
Corporate Off. : 152, Vardhman City Centre, Near Shakti Nagar Underbridge, Delhi-110052 (India)
Works : Plot No.1022, Modern Industrial Estate, Bahadurgarh-124507, Haryana (India)
Telephone : 0091 - 11 - 23646422 E-mail : tecpharm@gmail.com
Website : www.technopharmchem.com

| | | |
|---|---|---------------------------|
| Flammability | : | Non flammable |
| Lower explosion limit | : | Not applicable |
| Upper explosion limit | : | Not applicable |
| Flash point | : | 153 °C |
| Auto-ignition temperature | : | Not applicable |
| Decomposition temperature | : | Not available |
| pH | : | Not available |
| pH solution | : | Not available |
| Viscosity, kinematic | : | Not available |
| Solubility | : | water: Insoluble in water |
| Partition coefficient n-octanol/water (Log Kow) | : | Not available |
| Partition coefficient n-octanol/water (Log Pow) | : | 3.5 |
| Vapor pressure | : | 1 mm Hg at 108°C |
| Vapour pressure at 50°C | : | Not available |
| Density | : | 1.16 g/cm ³ |
| Relative density | : | Not available |
| Relative vapour density at 20°C | : | 5.82 |
| Particle size | : | Not available |

9.2. Other information

No additional information available

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical Stability

Stable under normal conditions

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

Air contact. Direct sunlight. Moisture.

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

| | | |
|---|---|---|
| Acute toxicity (oral) | : | Toxic if swallowed. |
| Acute toxicity (dermal) | : | Toxic in contact with skin. |
| Acute toxicity (inhalation) | : | Toxic if inhaled. |
| Skin corrosion/irritation | : | Not classified |
| Serious eye damage/irritation | : | Not classified |
| Respiratory or skin sensitization | : | Not classified |
| Germ cell mutagenicity | : | Not classified |
| Carcinogenicity | : | Not classified |
| Reproductive toxicity | : | Not classified |
| STOT-single exposure | : | Not classified |
| STOT-repeated exposure | : | May cause damage to organs through prolonged or repeated exposure |
| Additional information | : | There are potential chronic health effects to consider |
| Aspiration hazard | : | Not classified |
| Potential adverse human health effects and symptoms | : | Harmful if swallowed |

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

| | | |
|---|---|---|
| Ecology - general | : | Very toxic to aquatic life with long lasting effects. |
| Ecology – water | : | Very toxic to aquatic life with long lasting effects. |
| Hazardous to the aquatic environment, short-term (acute) | : | Very toxic to aquatic life. |
| Hazardous to the aquatic environment, long-term (chronic) | : | Very toxic to aquatic life with long lasting effects. |

12.2. Persistence and degradability

DIPHENYLAMINE (CAS No.122-39-4)

| | |
|-------------------------------|--|
| Persistence and degradability | May cause long-term adverse effects in the environment |
|-------------------------------|--|

12.3. Bio accumulative potential

DIPHENYLAMINE (CAS No.122-39-4)

| | |
|---|-----|
| Partition coefficient n-octanol/water (Log Pow) | 3.5 |
|---|-----|

12.4. Mobility in soil

No additional information available

12.5. Results of PBT AND vPvB assessment

No additional information available

12.6. Other adverse effects

No additional information available

