

MATERIAL SAFETY DATA SHEET

SECTION – 1 : CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name	: 2, 4-Difluorobenzylamine
Synonyms	: 2, 4-Difluorobenzylamine (C ₇ H ₇ F ₂ N)
Manufacturer/Supplier Name	: M/s GUJARAT FLUOROchemicals LIMITED
Address	: Survey No 16/3, 26, 27, Ranjitnagar Pin-389 380, Tal. Ghoghamba, Dist. Panchmahals, Gujarat, India
Business Phone	: +91 – 2678 – 248107, 248152
Business Fax	: +91 – 2678 – 248153
Web Site	: www.gfl.co.in

SECTION – 2 : COMPOSITION, INFORMATION ON INGREDIENTS

Chemical Name	: 2, 4-Difluorobenzylamine
CAS No.	: 72235-52-0
Physical Form	: Clear colourless to light yellow liquid.

SECTION – 3 : HAZARDS IDENTIFICATION

3.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Skin corrosion (Category 1B), H314

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

3.2 Label elements

Labelling according Regulation (EC) No 1272/2008

Pictogram



Signal word

Danger Hazard statement(s) H314 causes severe skin burns and eye damage.

Precautionary statement(s) 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.
P310	Immediately call a POISON CENTER/doctor.
Supplemental Hazard	None

Statements

3.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bio accumulative (vPvB) at levels of 0.1% or higher.

SECTION – 4 : FIRST AID MEASURES

Eye Contact:

Get medical aid immediately. Do NOT allow victim to rub or keep eyes closed. Extensive irrigation is required (at least 30 minutes)..

Skin Contact:

Get medical aid immediately. Immediately flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Destroy contaminated shoes.

Inhalation:

Get medical aid immediately. Remove from exposure to fresh air immediately. If breathing is difficult, give oxygen. DO NOT use mouth-to-mouth respiration. If breathing has ceased apply artificial respiration using oxygen and a suitable mechanical device such as a bag and

Serious Inhalation: Not available.

Ingestion:

Do NOT induce vomiting. If victim is conscious and alert, give 2-4 cupfuls of milk or water. Never give anything by mouth to an unconscious person. Get medical aid immediately.

Serious Ingestion: Not available.

SECTION – 5 : FIRE FIGHTING MEASURES

Auto-Ignition Temperature: Not available.

Flash Points: 68 deg.cent.

Flammable Limits: Not available.

Fire Hazards in Presence of Various Substances:

Not available.

Explosion Hazards in Presence of Various Substances:

Risks of explosion of the product in presence of mechanical impact: Not available.

Risks of explosion of the product in presence of static discharge: Not available.

Fire Fighting Media and Instructions:

Not available

Extinguishing media:

Suitable extinguishing media: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special hazards arising from the substance or mixture:

Carbon oxides, Nitrogen oxides (NOx), Hydrogen chloride gas

Advice for fire fighting:

Wear self contained breathing apparatus for fire fighting if necessary.

Further information

Use water spray to cool unopened containers.

 **SECTION – 6 : ACCIDENTAL RELEASE MEASURES**

Personal Precaution, protective equipment and emergency procedure:

Wear respiratory protection. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.

Environment Precautions:

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

Methods and materials for containment and cleaning up:

Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

 **SECTION – 7 : HANDLING AND STORAGE SECTION**

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.

Condition for safe storage:

Store in dry and 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 class (TRGS 510): Combustible, corrosive hazardous materials

Specific end uses

No data available.

 **SECTION – 8 : EXPOSURE CONTROLS, PERSONAL PROTECTION**

Engineering Controls: Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Personal Protection:

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. Aldrich - 264377.

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.

Personal Protection in Case of a Large Spill:

Not available

Exposure Limits: Not available.

 **SECTION – 9 : PHYSICAL AND CHEMICAL PROPERTIES**

Physical state and appearance: Form Liquid .

Odour: Not available.

Taste: Not available.

Molecular Weight: 143.13 g/mole

Molecular Formula : C7H7F2N

Colour:	Clear colourless to light yellow liquid.
pH (1% soln /water):	Not available.
Boiling Point:	82-84 °C (15 mmHg)
Melting Point:	Not Available
Critical Temperature:	Not available.
Relative Density:	1.204g/ml at 25°C
Vapor Pressure:	Not applicable.
Vapor Density:	Not available.
Volatility:	Not available.
Odor Threshold:	Not available.
Water/Oil Dist. Coeff:	Not available.
Ionicity (in Water):	Not available.
Dispersion Properties:	Not available
Solubility:	Not available

SECTION – 10 : STABILITY AND REACTIVITY

Stability: Stable under recommended transport or storage conditions

Incompatibility with various substances: Strong oxidizing agents, Strong Acid.

Corrosivity: Not Studied.

Special Remarks on Reactivity: Not available.

Special Remarks on Corrosivity: Not available.

Polymerization: Not available.

SECTION – 11 : TOXICOLOGICAL INFORMATION

Acute toxicity: Not available

Skin Corrosion / irritation: Blistering may occur. Progressive ulceration will occur if treatment is not immediate

Eye irritation: Corneal burns may occur. May cause permanent damage

Ingestion : Corrosive burns may appear around the lips. Blood may be vomited. There may be bleeding from the mouth or nose

Respiratory or skin sensitization: There may be shortness of breath with a burning sensation in the throat. Exposure may cause coughing or wheezing.

Carcinogenicity: Not available

IARC: No components 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: Not available

Specific target organ toxicity: Not Available.

Aspiration hazard: Not available

Additional Information: RTECS: Not Available

SECTION – 12 : ECOLOGICAL INFORMATION

Toxicity : Not Available

Persistence and degradability : Not available

Bio accumulative potential : Not available

Mobility in soil : Not available

Results of PBT and vPvB assessment :

This substance/mixture contains no components considered to be either persistent, bio accumulative and toxic (PBT), or very persistent and very bio accumulative (vPvB) at levels of 0.1% or higher.

Other adverse effects: Not Available

SECTION – 13 : DISPOSAL CONSIDERATIONS

Waste Treatment methods:

Product: This combustible material may be burned in a chemical incinerator equipped with an afterburner and scrubber. Offer surplus and non-recyclable solutions to a licensed disposal company.

Contaminated packing: Dispose of as unused product.

SECTION – 14 : TRANSPORT INFORMATION

Identification: Not applicable.

Special Provisions for Transport:

UN number

ADR/RID: 2735 IMDG: 2735 IATA: 2735

UN proper shipping name

ADR/RID: AMINES, LIQUID, CORROSIVE, and N.O.S. (2, 4-Difluorobenzylamine)

IMDG: AMINES, LIQUID, CORROSIVE, N.O.S. (2,4-Difluorobenzylamine)

IATA: Amines, liquid, corrosive, N.O,S.. (2,4-Difluorobenzylamine)

Transport hazard class (es)

ADR/RID: 8 IMDG: 8 IATA: 8

Packaging group

ADR/RID: III IMDG: III IATA: III

Environmental hazards

ADR/RID: No IMDG Marine pollutant: No IATA: No

Special precautions for user: Not available

Further information: Not available

 **SECTION – 15 : REGULATORY INFORMATION**

This safety data sheet complies with the requirement of Regulation (EC) No. 1907/2006

Other Classifications:

Health Hazard: Not Studied.

Fire Hazard: Not Studied.

Reactivity: Not Studied.

Specific hazard: Not Studied.

Chemical Safety Assessment:

For this product a chemical safety assessment was not carried out.

 **SECTION – 16 : ADDITIONAL INFORMATION**

References: Not available.

Other Special Considerations: Not available.

Last Updated: - 30/12/2016 14:00 hrs

Further Information:

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall ScienceLab.com be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if ScienceLab.com has been advised of the possibility of such damages.