

**SAFETY DATA SHEET**

**SECTION – 1 : Identification of the substance/mixture and of the company/undertaking**

**1.1. Product identified**

**Product name** : 2,6-Dichloro-4-(trifluoromethyl)aniline  
**Hazardous ingredients** : 2,6-Dichloro-4-(trifluoromethyl)aniline  
**Synonym** : 4-Amino-3,5-dichlorobenzotrifluoride  
**REACH substance Name** : Not applicable

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

**Suitable uses** : Chemical



**1.3. Details of the supplier of the Safety data sheet**

**Supplier** : M/s GUJARAT FLUORO CHEMICALS LIMITED  
 Survey No 16/3, 26, 27, Ranjitnagar Pin-389 380,  
 Tal. Ghoghamba, Dist. Panchmahals, Gujarat , India  
 Phone :+91 – 2678 – 248107, 248152  
 Fax :+91 – 2678 – 248153  
 E-mail:

**1.4 Emergency telephone number** : +91 – 2678 – 248107

**SECTION – 2 : Hazards identification**

**2.1 Harmonized classification- Annex-VI of Regulation (EC) No. 1272/2008 (CAP Regulation)**

General Information				
Index Number	EC/List No.	CAS No.	IUPAC Name	
612-212-00-6	416-430-0	24279-39-8	2,6-Dichloro-4-trifluoromethylaniline	
ATP Inserted / Updated : CLP00				
CLP Classification				
Classification			Labeling	
Hazard Class and Category Code(s)	Hazard Statement Code(s)	Hazard Statement Code(s)	Supplementary Hazard Statement Code(s)	Pictograms, Signal Word Code (S)
Acute Tox. 4	H302	H302		GHS09 GHS07 Wng
Skin Irrit. 2	H315	H315		
Skin Sens. 1	H317	H317		
Acute Tox. 4	H332	H332		
Aquatic Acute 1	H400			
Aquatic Chronic 1	H410	H410		
Signal Words	Pictograms			
Warning	 			

**Additional warning** : Not applicable.

**Phrases**

**Precautionary statements**

**Prevention** : Use personal protective equipment as required. Wear protective gloves/protective clothing/eye protection/face protection.

**Response** : IF ON SKIN: Wash with plenty of soap and water. Wash contaminated clothing before reuse. 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/attention. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or physician.

**Storage** : Store locked up.

**Disposal** : Dispose of contents and container in accordance with all local, regional, national and international regulations.

**2.2 Other Hazards** : No

**Substance meets the criteria for PBT According to Regulation (EC) No. 1272/2008.**

**Other hazards which do not** : Not known.

**Result in classification.**

**SECTION – 3 : Composition/information on ingredients**

**Product definition (REACH): Mono-constituent substance**

Product/ingredient name	Identifiers	%	Classification		Type
			67/548/EEC	Regulation (EC)No 1272/2008 (CLP)	
2,6-DICHLORO-4-(TRIFLUOROMETHYL) ANILINE	CAS: 24279-39-8	>98	Xn; R21 Xi; R36/37/38  See Section 16 for the full text of the R-phrases declared above.	Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335  See Section 16 for the full text of the H statements declared above.	[A]

**Occupational exposure limits, if available, are listed in Section 8.**

Type

[A] Constituent

[B] Impurity

[C] Stabilising additive

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 **SECTION – 4 : FIRST AID MEASURES (ACTION)**

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**4.1 Description of first aid measures**

**Inhalation**

: Get medical attention immediately. Move exposed person to fresh air. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. Keep person warm and at rest. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

**Ingestion**

: Get medical attention immediately. Wash out mouth with water. Move exposed person to fresh air. Keep person warm and at rest. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

**Skin contact**

: Get medical attention immediately. Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Continue to rinse for at least 10 minutes. Wash clothing before reuse. Clean shoes thoroughly before reuse.

**Eye contact**

: Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.

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

See Section 11 for more detailed information on health effects and symptoms.

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

See Section 1 for more detailed information on health effects and symptoms.

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 **SECTION – 5 : FIRE FIGHTING MEASURES**

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**5.1 Extinguishing media**

**Suitable extinguishing**

: In case of fire, alcohol resistant foam, dry chemical or CO<sub>2</sub> media.

**Unsuitable extinguishing**

: None known.

**5.2 Special Hazards arising from the substance or mixture**

<b>Hazards from the substance or mixture</b>	: In a fire or if heated, a pressure increase will occur and the container may burst.
<b>Hazardous combustion Products</b>	: Decomposition products may include the following materials: carbon oxides Halogenated compounds.
<b>5.3 Advice for firefighters</b>	
<b>Special precautions for fire-fighters</b>	: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
<b>Special protective</b>	: Fire-fighters should wear appropriate protective equipment and self contained
<b>Equipment for fire-fighters</b>	: Breathing apparatus (SCBA) with a full face- piece operated in positive pressure mode .
<b>Remarks</b>	: Do not release runoff from fire to drains or watercourses.

## SECTION – 6 : ACCIDENTAL RELEASE MEASURES

<b>6.1 Personal precautions, protective equipment and emergency procedures</b>	: No action shall be taken involving any personal risk or without suitable raining. Mark out the contaminated area with signs and prevent access to unauthorised personnel. : Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Avoid breathing vapour or mist. Provide adequate ventilation. Put on appropriate personal protective equipment (see Section 8)
<b>6.2 Environmental Precautions</b>	: Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
<b>6.3 Methods and materials for containment and cleaning up</b>	
<b>Small spill</b>	: Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble or absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
<b>Large spill</b>	: Stop leak if without risk. Move containers from spill area. Prevent entry into Sewers, water courses, basements or confined areas. Contain and collect Spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local Regulations ( see section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilt product. Note: See section 1 for emergency contact information and section 13 for waste disposal
<b>6.4 Reference to other Sections.</b>	: See Section 1 for emergency contact information. See Section 8 for information on appropriate personal protective equipment. See Section 13 for additional waste treatment information.

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

- 7.1 Precautions for safe handling** : Put on appropriate personal protective equipment (see Section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Do not breathe vapour or mist. Do not ingest. avoid contact with eyes, skin and clothing. Use only with adequate ventilation. wear appropriate respirator when ventilation is inadequate. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous.
- 7.2 Conditions for safe Storage, including any area, away incompatibilities.** : Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated from Incompatible materials (see section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination.

**Seveso II Directive - Reporting thresholds (in tonnes)**  
**Danger criteria**

Category	Notification and MAPP threshold	Safety report threshold
H2: Acute harmful 2 any route of entry or Acute harmful 3 Inhalation/Dermal route of entry	50	200
C2: Harmful	50	200

- 7.3 Specific end use(s)** :  
**Recommendations** : Not available.  
**Industrial sector specific Solutions.** : Not available.

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

- 8.1 Control parameters**
- Exposure limit values** : Not available.
- Recommended monitoring Procedures** : If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to monitoring standards, such as the following: European Standard EN 689 (Workplace atmospheres - Guidance for the assessment of exposure by inhalation to chemical agents for comparison with limit values and measurement strategy) European Standard EN 14042 (Workplace atmospheres - Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents) European Standard EN 482 (Workplace atmospheres - General requirements for the performance of procedures for the measurement of chemical agents) Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

**8.2 Exposure controls** :  
**Risk management measures**  
**Occupational exposure controls**  
**Technical measure**

: Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

**Personal protection measures**

**Respiratory protection**

: Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator  
**Recommended:** Full mask with type ABEK filter / Wear breathing apparatus with separate air supply (compressed air respirator, tube apparatus) at higher concentrations.

**Hand Protection**

: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. After contamination with product change the gloves immediately and dispose of them according to relevant national and local regulations.

**Recommended:** (< 1 hour) butyl rubber, Polyvinyl chloride - PVC, viton®

**Eye protection**

: Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts.

**Recommended:** safety glasses with side- shields.

**Skin protection**

: Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

**Recommended:** Wear protective clothing

**Hygiene measures**

: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

**Environmental exposure controls** :

**Technical measures**

: Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

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## SECTION – 9 : PHYSICAL AND CHEMICAL PROPERTIES

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### 9.1 Information on basic physical and chemical properties

#### General information

Appearance

Physical state : liquid at 40<sup>o</sup>C.

Colour : clear yellowish liquid.

#### Important health, safety and environmental information

Boiling point : 60 - 62 °C (1 mmHg)

Melting point : 35 – 37°C

Density : 1.53 g/cm<sup>3</sup> (25°C)

Flash point : 88 °C

Molecular Formula : C<sub>7</sub>H<sub>4</sub>Cl<sub>2</sub>F<sub>3</sub>N

### 9.2 Other information

No additional information.

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## SECTION – 10 : STABILITY AND REACTIVITY

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10.1 Reactivity	: No specific test data related to reactivity available for this product or its ingredients.
10.2 Chemical stability	: The product is stable.
10.3 Possibility of hazardous Reactions	: Under normal conditions of storage and use, hazardous reactions will not occur.
10.4 Conditions to avoid	: Incompatible materials: No specific data. Hazardous decomposition products: Hydrogen fluoride, hydrogen bromide.
10.5 Incompatible materials	: No specific data.
10.6 Hazardous decomposition products	: Under normal conditions of storage and use, hazardous precautions. decomposition products should not be produced.

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## SECTION – 11 : HARMFULOLOGICAL INFORMATION

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### 11.1 Information on harmfulological effects:

#### Potential acute health effects

Inhalation : Harmful if inhaled. May cause respiratory irritation.

Ingestion : Irritating to mouth, throat and stomach.

Skin contact : Harmful in contact with skin. Causes skin irritation.

Eye contact : May cause eye irritation.

#### Acute harmfulity

Data not available

**Specific target organ harmfulity (single exposure)**

Product/ingredient	Category	Route of exposure	Target organs
2,6-DICHLORO-4-(TRIFLUOROMETHYL) ANILINE	Category 3	Not applicable	Respiratory tract irritation

**SECTION – 12 : ECOLOGICAL INFORMATION**

**12.1 Harmfulness**

**Concusion/Summary** : Not available.

**12.2 Persistence and degradability**

**Concusion/Summary** : Not available.

**12.3 Bioaccumulative potential**

: Not available.

**12.4 Mobility in soil**

**Soil/water partition coefficient (K<sub>oc</sub>)**

: Not available.

**Mobility**

: Not available.

**12.5 Results of PBT and vPvB assessment**

**PBT**

: No.

**vPvB**

: Not available.

**12.6 Other adverse effects**

**Other adverse effects**

: Not available.

**AOX**

: The product contains organically bound halogens and can contribute to the AOX value in waste water.

**Remarks**

: Do not allow to enter drains or watercourses. Ecoharmfulological data are not available.

**SECTION – 13 : DISPOSAL CONSIDERATIONS**

**13.1 Waste treatment method**

**Product**

**Methods of disposal**

: Examine possibilities for re-utilization. Product residues and unlearned empty containers should be packaged, sealed, labeled, and disposed of or recycled according to relevant national and local regulations. Where large quantities are concerned, consult the supplier. When unlearned empty containers are passed on, the recipient must be warned of any possible hazard that may be caused by residues. For disposal within the EC, the appropriate code according to the European Waste List (EWL) should be used. It is among the tasks of the polluter to assign the waste to waste codes specific to industrial sectors and processes according to the European Waste List (EWL).

**Hazardous waste**

: The classification of the product may meet the criteria for a hazardous waste.

**Packaging**

**Methods of disposal**

: The generation of waste should be avoided or minimized wherever possible. Waste packaging should be recycled. Incineration or landfill







should only be considered when recycling is not feasible.

**Special precautions**

: This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilt material and runoff and contact with soil, water ways, drains and sewers.

**SECTION – 14 : TRANSPORT INFORMATION**

	ADR/RID	ADN/ADNR	IMDG	IATA
14.1 UN number	3082	3082	3082	3082
14.2 UN proper shipping name	Environmentally hazard substance, liquid at 40°C, N.O.S. ( 2,6-DICHLORO-4 (TRIFLUOROMETHYL) ANILINE)	Environmentally hazard substance, liquid at 40°C, N.O.S. ( 2,6-DICHLORO-4 (TRIFLUOROMETHYL) ANILINE)	Environmentally hazard substance, liquid at 40°C, N.O.S. ( 2,6-DICHLORO-4 (TRIFLUOROMETHYL) ANILINE)	Environmentally hazard substance, liquid at 40°C, N.O.S. ( 2,6-DICHLORO-4 (TRIFLUOROMETHYL) ANILINE)
14.3 Transport hazard class(es)/Marks				
	9	9	9	9
14.4 Packing group	III	III	III	III
14.5 Environmental hazards	Yes	Yes	Yes	Yes
14.6 Special precautions for user/Additional information	None	None	None	None

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code : Not available.

**Hazard notes:**

Highly harmful.

Keep separated from foodstuffs.

**SECTION – 15 : REGULATORY INFORMATION**

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

EU Regulation (EC) No. 1272/2008 (CAP Regulation)

Annex XVII List of substances subject to authorisation

Substances of very high concern

None of the components are listed.

**Annex XVII** : Not applicable.  
**Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles**

**Danger criteria** : Not available

**15.2 Chemical Safety Assessment** : This product contains substances for which Chemical Safety Assessments are still required.  
**Assessment**

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 **SECTION – 16 : OTHER INFORMATION**

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**Abbreviations and acronyms :** :  
CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]  
DNEL = Derived No Effect Level  
EUH statement = CLP-specific Hazard statement  
PNEC = Predicted No Effect Concentration  
RRN = REACH Registration Number  
vPvB = Very Persistent and Very Bioaccumulative

**Full text of abbreviated H Statements** : H312 Harmful in contact with skin.  
H315 Causes skin irritation.  
H319 Causes serious eye irritation.  
H331 Harmful if inhaled.  
H335 May cause respiratory irritation.

**Full text of R-phrases referred to in sections 2 and 3** : R21- Harmful in contact with skin.  
: R36/37/38- Irritating to eyes, respiratory system and skin

**Remarks** : The Safety Data Sheet is valid for internal use.

**Notice to reader**

The data given here is based on current knowledge and experience. The purpose of this Safety Data Sheet and its Annex [if required according to Regulation (EC) 1272/2008 (CAP Regulation)] is to describe the products in terms of their safety requirements. The given details do not imply any guarantee concerning the composition, properties or performance.