



# DSL Chemicals (Shanghai) Co., Ltd.

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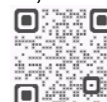
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## MATERIAL SAFETY DATA SHEET

Version 2.0

Revision Date: Jun. 26, 2015



### Section 1 - Product and Company Information

Product Name: 4-Amino-2-(Trifluoromethyl)benzotrile

Product Number: C000387

Company: DSL Chemicals (Shanghai) Co., Ltd

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Shanghai 200001, China

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### Section 2 - Composition, Information on Ingredients

Substance Name

CAS #

4-Amino-2-(Trifluoromethyl)benzotrile

654-70-6

Formula: C<sub>8</sub>H<sub>5</sub>F<sub>3</sub>N<sub>2</sub>

Molecular Weight: 186.13 g/mol

### Section 3 - Hazards Identification

GHS classification

PHYSICAL HAZARDS

Not classified

HEALTH HAZARDS

Acute toxicity (Oral)

Category 3

Acute toxicity (Dermal)

Category 3

Acute toxicity (Inhalation)

Category 3

Skin corrosion/irritation

Category 2

Serious eye damage/eye irritation

Category 2A

ENVIRONMENTAL HAZARDS

Not classified

GHS label elements, including precautionary statements



Pictograms or hazard symbols

Signal word

Danger

Hazard statements

Toxic if swallowed, in contact with skin or if inhaled

Causes skin irritation

Causes serious eye irritation

Precautionary statements:

[Prevention]

Avoid breathing dust/fume/gas/mist/vapours/spray.

Use only outdoors or in a well-ventilated area.

Do not eat, drink or smoke when using this product.

Wash hands thoroughly after handling.

Wear protective gloves and eye/face protection.

[Response]

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician.

IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Rinse mouth.

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 ON SKIN: Gently wash with plenty of soap and water.

If skin irritation occurs: Get medical advice/attention.

Remove/Take off immediately all contaminated clothing.

Wash contaminated clothing before reuse.

Call a POISON CENTER or doctor/physician if you feel unwell.

[Storage]

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

Store locked up.

[Disposal]

Dispose of contents/container through a waste management company authorized by the local government.

#### **Section 4 - First Aid Measures**

Inhalation:

Remove victim to fresh air and keep at rest in a position comfortable for breathing.

Call a POISON CENTER or doctor/physician.

Skin contact:

Remove/Take off immediately all contaminated clothing. Gently wash with plenty of soap and water. Call a POISON CENTER or doctor/physician.

Eye contact:

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.

Ingestion:

Immediately call a POISON CENTER or doctor/physician. Rinse mouth.

Protection of first-aiders:

A rescuer should wear personal protective equipment, such as rubber gloves and airtight goggles.

#### **Section 5 - Fire Fighting Measures**

Suitable extinguishing media:

Dry chemical, foam, water spray, carbon dioxide.

Specific hazards arising from the chemical:

Take care as it may decompose upon combustion or in high temperatures to generate poisonous fume.

Precautions for firefighters:

Fire-extinguishing work is done from the windward and the suitable fire-extinguishing method according to the surrounding situation is used. Uninvolved persons should evacuate to a safe place. In case of fire in the surroundings:

Remove movable containers if safe to do so.

Special protective equipment for firefighters:

When extinguishing fire, be sure to wear personal protective equipment.

#### **Section 6 - Accidental Release Measures**

Personal precautions, protective equipment and emergency procedures:

Use extra personal protective equipment (P3 filter respirator for toxic particles). Keep people away from and upwind of spill/leak. Entry to non-involved personnel should be controlled around the leakage area by roping off, etc.

Environmental precautions:

Prevent product from entering drains.

Methods and materials for containment and cleaning up:

Sweep dust to collect it into an airtight container, taking care not to disperse it.

Adhered or collected material should be promptly disposed of, in accordance with appropriate laws and regulations.

## Section 7 - Handling and Storage

Precautions for safe handling

Technical measures:

Handling is performed in a well ventilated place. Wear suitable protective equipment.

Prevent dispersion of dust. Wash hands and face thoroughly after handling.

Use a closed system if possible. Use a local exhaust if dust or aerosol will be generated.

Advice on safe handling:

Avoid contact with skin, eyes and clothing.

Conditions for safe storage, including any incompatibilities

Storage conditions:

Keep container tightly closed. Store in a cool, dark and well-ventilated place.

Store locked up.

Store away from incompatible materials such as oxidizing agents.

Packaging material:

Comply with laws.

## Section 8 - Exposure Controls, Personal Protection

Engineering controls:

Install a closed system or local exhaust. Also install safety shower and eye bath.

Personal protective equipment

Respiratory protection:

Dust respirator, self-contained breathing apparatus (SCBA), supplied air respirator, etc. Use respirators approved under appropriate government standards and follow local and national regulations.

Hand protection:

Impervious gloves.

Eye protection:

Safety goggles. A face-shield, if the situation requires.

Skin and body protection:

Impervious protective clothing. Protective boots, if the situation requires.

## Section 9 - Physical and Chemical Properties

Physical state (20°C):

Form:	Solid
Colour:	Light yellow
Odour:	No data available
pH:	No data available
Melting point/freezing point:	142°C
Boiling point/range:	No data available
Flash point:	No data available
Flammability or explosive limits:	
Lower:	No data available
Upper:	No data available
Relative density:	No data available

Solubility (ies):	
[Water]	No data available
[Other solvents]	
Soluble:	Methanol, Pyridine

#### **Section 10 - Stability and Reactivity**

Chemical stability: Stable under proper conditions.

Possibility of hazardous reactions:

No special reactivity has been reported.

Incompatible materials: Oxidizing agents, Acids

Hazardous decomposition products:

Carbon monoxide, Carbon dioxide, Nitrogen oxides (NO<sub>x</sub>), Hydrogen fluoride

#### **Section 11 - Toxicological Information**

No data available

#### **Section 12 - Ecological Information**

No data available

#### **Section 13 - Disposal Considerations**

Recycle to process, if possible. Consult your local regional authorities. You may be able to dissolve or mix material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber system.

Observe all federal, state and local regulations when disposing of the substance.

#### **Section 14 - Transport Information**

Hazards Class: 6.1: Toxic substance.

UN-No: 3439

Proper shipping name: 4-Amino-2-(Trifluoromethyl)benzonitrile

Packing group: III

#### **Section 15 - Regulatory Information**

Regulations on the Control over Safety of Dangerous Chemicals (State Council announces on January 26, 2002 and revised on February 16, 2011): Safe use and production, the storage of a dangerous chemical, transport, loading and unloading were prescribed.

#### **Section 16 - Additional 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 way shall the company 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 the company has been advised of the possibility of such damages.