Technical Data Sheet (TDS)
2-Methyl-3-(trifluoromethyl)aniline

Prepared by Tuoda Industry Limited

Lushang Phoenix Square, Jinan, Shandong & 250100 China

Tel: +86-531-88897198 | Email: info@tuodaindus.com

Website: www.tuodaindus.com

Product Description

2-Methyl-3-(trifluoromethyl)aniline is a colorless to pale yellow liquid with an aromatic odor. It is widely used as an intermediate in pharmaceutical, agrochemical, and specialty chemical manufacturing. The compound features a trifluoromethyl group that enhances its chemical reactivity and versatility in organic synthesis.

Applications

- Intermediate for pharmaceutical synthesis.
- Intermediate for agrochemical production.
- Intermediate for specialty chemicals and advanced materials.

Chemical Information

Chemical Name:	2-Methyl-3-(trifluoromethyl)aniline
Chemical Formula:	C8H8F3N
CAS No.:	54396-44-0
EINECS/ELINCS No.:	258-872-0
Molecular Weight:	175.15 g/mol

Specifications

Appearance	Colorless to pale yellow liquid
Purity	>= 98%
Density at 20°C	1.24 g/cm³
Boiling Point	182-184°C

Typical Properties

Melting Point	-5°C
Flash Point	> 79°C (closed cup)
Solubility	Insoluble in water; soluble in organic solvents
Odor	Aromatic odor

Packaging

Available in steel drums, plastic drums, or customized packaging solutions, compliant with IMDG regulations.

Storage and Handling

- Store in tightly closed containers under cool, dry, and well-ventilated conditions.
- Protect from heat, sparks, and open flames.
- Handle with appropriate personal protective equipment.

Safety and Regulatory Information

- Classified as harmful if swallowed or in contact with skin under GHS.
- Refer to MSDS for detailed safety and handling procedures.
- Compliant with TSCA (US) and EINECS (EU) listings.

Disclaimer

This document is provided for informational purposes only. Tuoda Industry Limited makes no warranties regarding the suitability of this product for any particular application. Regulatory compliance must be verified by the customer.