

Safety Data Sheet


Section 1: Product & Company Identification

Product Name:	Tranilast
Product #:	T-1048
Synonyms:	3,4-DAA; N-(3',4'-Dimethoxycinnamoyl) Anthranilic Acid; N-5'; MK 341; SB 252218; Rizaben
Supplier:	AG Scientific Holdings, LLC 9950 Scripps Lake Drive, Suite 104 San Diego, CA 92131 Tele# + 858-452-9925
Emergency Tele#:	ChemTel, Tele# in USA 1-800-255-3924, International 1-813-248-0585

Section 2: Composition / Information on Ingredients

Component	CAS #	EC #	% Composition
Tranilast	53902-12-8		

Section 3: Hazards Identification

Symbols	
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HMIS Rating

Health Hazard	Chronic Health Hazard	Flammability	Physical Hazard

NFPA Rating

Health Hazard	Fire Hazard	Reactivity Hazard

Section 4: First Aid Measures

General Overview:	No data available
Inhalation:	No data available
Skin:	No data available

Eyes:	No data available
Ingestion:	No data available
	See section 11 for more detailed information on health effects & symptoms.

SECTION 5: Fire Fighting Measures

Flammability of the product:	Combustible
Extinguishing Media:	No data available
Hazardous thermal (de)composition products:	Carbon oxides, Nitrogen oxides (NO _x)
Special Fire Fighting Procedures:	No data available
Flash Point:	No data available


Section 6: Accidental Release Measures

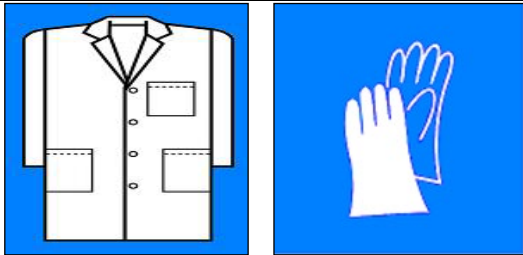

Personal Precautions:	For personal protection see Section 8.
Environmental Precautions:	Prevent product from entering drains.
Methods for Clean-up:	For disposal see Section 13.

SECTION 7: Handling & Storage

Storage:	Recommended storage temperature: -20°C
Handling:	No data available.

SECTION 8: Exposure controls / Personal Protection

Respiratory Protection:	 <p>Not required.</p>
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Skin and Body:	 <p>Protective gloves and lab coat.</p>
Eyes:	 <p>Not required</p>
Ventilation/Engineering Measures:	N/A
Hygiene:	N/A
Other:	Contains no substances with occupational exposure limit values.

SECTION 9: Physical and Chemical Properties

Appearance & Odor:	White, beige powder
Formula	$C_{18}H_{17}NO_5$
Molecular Wt.	327.3
Melting Pt.	166.2 - 168.2°C (331.2 - 334.8°F)
Boiling Pt.	No data available
Density:	No data available
Vapor Pressure:	No data available
Evaporation Rate:	No data available
Vapor Density:	No data available
Solubility:	DMF, DMSO, Ethanol
Flash Point:	No data available
Autoignition Temp:	No data available

SECTION 10: Stability and Reactivity

Stability:	Violent reactions possible with strong oxidizing agents.
Hazardous decomposition products:	See Section 5.

Materials to Avoid:	Strong oxidizing agents.
Conditions to avoid:	No data available

SECTION 11: Toxicological Information

RTECS#:	DG8731000
ACUTE Toxicity:	LD50 Oral = 1,100 mg/kg (Rat) Remarks: Sense organs and special senses (Nose, Eye, Ear, and Taste). Eye: Lacrimation. Behavioral: Somnolence (general depressed activity). Respiratory disorder.
CHRONIC Toxicity:	No data available.
Chronic Exposure: Carcinogen: Mutagen: Teratogen: Reproductive:	IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible, or confirmed human carcinogen by IARC. AGGIH: No component of this product present at levels greater than or equal to 0.1% is identified as probable, potential human carcinogen by ACGIH. NTP: No component of this product present at levels greater than or equal to 0.1% is identified as known or anticipated human carcinogen by NTP. OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as known or potential human carcinogen by OSHA. EPA: No classification on carcinogenic data is available from EPA

SECTION 12: Ecological Information

Ecotoxicity:	No data available
Mobility:	No data available
Persistence and degradability:	No data available
Bioaccumulative potential:	No data available
Other adverse effects:	No data available
Corrosivity Characteristic:	No data available
General Notes:	No data available

SECTION 13: Disposal Considerations

Residue Waste or Unused product:	No data available
Contaminated Packaging:	No data available

SECTION 14: Transportation Information

UN ID#:	N/A
ADR / RID (LAND):	Not regulated
DOT regulations:	Not regulated
IMDG/IMO (SEA):	Not regulated
IATA/DGR (AIR):	Not regulated
Special Provisions:	N/A

SECTION 15: Regulatory Information

Health Phrases:	Warning! H302 Harmful if swallowed.
Risk Phrases:	P264 Wash skin thoroughly after handling. P270 Do not eat, drink or smoke when using this product.
Safety Phrases:	P301 + P312 + P330 IF SWALLOWED: Call a POISON CENTER/ doctor if you feel unwell. Rinse mouth. P501 Dispose of contents/ container to an approved waste disposal plant.
EU Regulations:	N/A
US Regulations:	TSCA: Not listed California Proposition 65: No products were found
U.S. Federal Regulations:	SARA 302/304 emergency planning and notification: No products were found. SARA 311/312 MSDS distribution-chemical inventory-hazard identification: Acute Health Hazard SARA 313 toxic chemicals notification and release reporting: No products were found. Clean Water Act (CWA) 307: No products were found. Clean Water Act (CWA) 311: No products were found. Clean Air Act (CAA) 112 accidental release prevention: No products were found. Clean Air Act (CAA) 112 regulated flammable substances: No products were found. Clean Air Act (CAA) 112 regulated toxic substances: No products were found. OSHA: Acute toxicity, oral (Cat. 4)
WHMIS (Canada):	N/A

SECTION 16: Other Information

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