

Section I. Chemical Product and Company Identification		
Chemical Name	<i>N'</i> -(3-thioxo-3 <i>H</i> -1,2,4-dithiazol-5-yl)- <i>N,N</i> -dimethylmethanimidamide	
Catalog Number	DDTT-100g	Supplier: AM Chemicals, LLC 1060 Joshua Way Vista, CA 92081-7807 (760) 215 - 9661 www.amchemicals.com
Synonym	Not available	
Chemical Formula	C ₅ H ₇ N ₃ S ₃	
CAS Number	1192027-04-5	

Section II. Composition and Information on Ingredients				
Chemical Name	CAS Number	Percent (%)	TLV/PEL	Toxicology Data
<i>N'</i> -(3-thioxo-3 <i>H</i> -1,2,4-dithiazol-5-yl)- <i>N,N</i> -dimethylmethanimidamide	1192027-04-5	≥99	Not available	Not available

Section III. Hazards Identification	
Acute Health Effects	No specific information is available in our data base regarding the toxic effects of this material for humans. However, exposure to any chemical should be kept to a minimum. Skin and eye contact may result in irritation. May be harmful if inhaled or ingested. Always follow safe industrial hygiene practices and wear proper protective equipment when handling this compound.
Chronic Health Effects	CARCINOGENIC EFFECTS: Not available MUTAGENIC EFFECTS: Not available TERATOGENIC EFFECTS: Not available DEVELOPMENT TOXICITY: Not available Repeated or prolonged exposure to this compound is not known to aggravate existing medical conditions.

Section IV. First Aid Measures	
Eye Contact	Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.
Skin Contact	In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention.
Inhalation	If the victim is not breathing, perform mouth-to-mouth resuscitation. Loosen tight clothing such as a collar, tie, belt or waistband. If breathing is difficult, oxygen can be administered. Seek medical attention if respiration problems do not improve.
Ingestion	INDUCE VOMITING by sticking finger in throat. Lower the head so that the vomit will not reenter the mouth and throat. Loosen tight clothing such as a collar, tie, belt or waistband. If the victim is not breathing, perform mouth-to-mouth resuscitation. Examine the lips and mouth to ascertain whether the tissues are damaged, a possible indication that the toxic material was ingested; the absence of such signs, however, is not conclusive.

Section V. Fire and Explosion Data	
Flammability	May be combustible at high temperature. Auto-Ignition Not available
Flash Point	Not available Flammable Limits Not available
Combustion Products	carbon oxides (CO, CO ₂), nitrogen oxides (NO, NO ₂), sulfur oxides (SO ₂ , SO ₃), water
Fire Hazards	Not available
Explosion Hazards	Risk of explosion of the product in presence of mechanical impact: Not available. Risk of explosion of the product in presence of static discharge: Not available.
Fire Fighting Media and Instruction	SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use water spray, fog or foam. DO NOT use water jet. Consult with local fire authorities before attempting large scale fire-fighting operations.

Section VI. Accidental Release Measures	
Spill Cleanup Instruction	Use a shovel to put the material into a convenient waste disposal container. Finish cleaning the spill by rinsing any contaminated surfaces with copious amounts of water. Consult federal, state, and/or local authorities for assistance on disposal.

Section XVI. Other Information	
Handling and storage Information	Keep away from heat. Mechanical exhaust required. When not in use, tightly seal the container and store in a dry, cool place. Avoid excessive heat and light. DO NOT ingest. Do not breathe dust. If ingested, seek medical advice immediately and show the container or the label. Treat symptomatically and supportively. Always store away from incompatible compounds such as oxidizing agents.

Section VIII. Exposure Controls/Personal Protection	
Engineering Controls	Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.
Personal Protection	Splash goggles. Lab coat. Dust respirator. Boots. Gloves. Suggested protective clothing might not be sufficient; consult a specialist before handling this product.
Exposure Limits	Not available

Section IX. Physical and Chemical Properties			
Physical state at 20°C	Solid.	Solubility	THF, CH ₃ CN, Pyridine, DMF
Specific Gravity	Not available	Partition Coefficient	Not available
Molecular Weight	205.32	Vapor Pressure	Not available
Boiling Point	Not available	Vapor Density	Not available
Melting Point	178-179°C	Volatility	Not available
Refractive Index	Not available	Odor	Garlic smell
Critical Temperature	Not available	Taste	Not available
Viscosity	Not available		

Section X. Stability and Reactivity Data	
Stability	This material is stable if stored under proper conditions. (See Section VII for instructions)
Conditions of Instability	Avoid excessive heat and light.
Incompatibilities	Reactive with strong oxidizing agents, strong reducing agents.

Section XI. Toxicology Information	
RTECS Number	Not Available
Routes of Exposure	Eye Contact. Ingestion. Inhalation.
Toxicity Data	Not Available
Chronic Toxic Effects	CARCINOGENIC EFFECTS: Not available MUTAGENIC EFFECTS: Not available TERATOGENIC EFFECTS: Not available DEVELOPMENT TOXICITY: Not available Repeated or prolonged exposure to this compound is not known to aggravate existing medical conditions.
Acute Toxic Effects	No specific information is available in our data base regarding the toxic effects of this material for humans. However, exposure to any chemical should be kept to a minimum. Skin and eye contact may result in irritation. May be harmful if inhaled or ingested. Always follow safe industrial hygiene practices and wear proper protective equipment when handling this compound.

Section XII. Ecological Information

Ecotoxicity	Not available
Environmental Fate	Not available

Section XIII. Disposal Considerations

Waste Disposal	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.
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Section XIV. Transport Information

DOT Classification	Not a DOT controlled material (United States).
PIN Number	Not applicable
Proper Shipping Name	Not applicable
Packing Group (PG)	Not applicable
DOT Pictograms	Not available

Section XV. Other Regulatory Information and Pictograms

TSCA Chemical Inventory (EPA)	This product is NOT on the EPA Toxic Substances Control ACT (TSCA) inventory. The following notices are required by 40 CFR 720.36 (c) for those products not on the inventory list: (i) These products are supplied solely for use in research and development by or under the supervision of a technically qualified individual as defined in 40 CFR 720.0 et sec. (ii) The health risks of these products have not been fully determined. Any information that is or becomes available will be supplied on an MSDS sheet.
WHMI Classification	Not available
EINECS Number (EEC)	Not available
EEC Risk Statements	Not available
Japanese Regulatory Data	Not available

Section XVI. Other Information

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Notice to Reader

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