# L-Histidine,N-[(1,1-dimethylethoxy)carbonyl]-1-(2,4-dinitrophenyl)- (cas 25024-53-7)

**MSDS**

Conforms to 93/112/EC and ISO 11014-1

## SAFETY DATA SHEET

Order Number Customer Number

### Identification of the substance/preparation and of the company/undertaking

1. **Boc-His(Dnp)-OH** ? ? isopropanol : 04-12-0023  
   Product name : Catalog #  
   : Manufactured by Merck Biosciences AG  
   Supplier  
   Weidenmattweg 4  
   : Chemical formula C17H19N5O8 C3H8O  
   : CH-4448 Lüftelfingen  
   Switzerland  
   +41 62 285 2525  
   FAX : +41 62 285 2520  
   EMD Biosciences, Inc.  
   P.O. Box 12087  
   La Jolla, CA 92038-2087  
   (858) 450-5555(800) 854-3417  
   FAX: (858) 453-3552  

N-alpha-t-Boc-N-im-dinitrophenyl-L-histidine isopropanol  
**Synonym :**

### Emergency : Call Chemtrec?  
telephone number (800)424-9300 (within U.S.A.)  
(703)527-3887 (outside U.S.A.)

### Composition / information on ingredients

2. **: Substance**  
   **: Substance/Preparation**

Chemical name* CAS No. EC Number Symbol R-Phrases  
L-histidine, N-[(1,1-dimethylethoxy)carbonyl]-1-(2,4-dinitrophenyl)- 25024-53-7 246-569-0  

### Hazards identification

3. **: Not applicable.**  
   **Physical/chemical hazards**  
   : No specific hazard.  
   **Human health hazards**

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[Click http://www.guidechem.com/cas-250/25024-53-7.html for suppliers of this product]
First-aid measures

4. First-Aid measures

: If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

: Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband.

: 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.

: 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.

: Repeated or prolonged exposure is not known to aggravate medical condition. Aggravating conditions

5. Fire-fighting measures

: May be combustible at high temperature.

Flammability of the Product

Extinguishing Media

: SMALL FIRE: Use DRY chemical powder.

Suitable

LARGE FIRE: Use water spray, fog or foam. Do not use water jet.

: These products are carbon oxides (CO, CO2), nitrogen oxides (NO, NO2...).

Hazardous thermal (de)composition products

: Fire fighters should wear positive pressure self-contained breathing apparatus (SCBA) and full turnout gear. Special fire-fighting procedures

: Be sure to use an approved/certified respirator or equivalent. Protection of fire-fighters

Accidental release measures


Personal precautions

BEFORE handling this product.

: Use appropriate tools to put the spilled solid in a convenient waste disposal container. Small Spill and Leak

: Use a shovel to put the material into a convenient waste disposal container. Large Spill and Leak

Handling and storage

7. : Keep away from heat. Keep away from sources of ignition. Empty containers pose a fire risk, evaporate the residue under a fume hood. Ground all equipment containing material. Do not breathe dust.

Handling

: Keep container tightly closed. Keep container in a cool, well-ventilated area. Do not store above -20??C (-4??F).

Storage

Packaging materials

: Use original container. Recommended use

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Exposure controls/personal protection

8.
.: 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.
.: Wash hands after handling compounds and before eating, smoking, using lavatory, and at the end of day.

Engineering measures

Hygiene measures

Ingredient Name Occupational Exposure Limits
Boc-His(Dnp)-OH ?? isopropanol Not available.

Personal protective equipment
.: Lab coat.
.: Safety glasses.
.: Protective clothing (Pictograms):

Physical and chemical properties

9.
.: Solid.
.: 481.5 g/mole
.: Not available.
.: Not available.
.: Not available.
.: Not available.
.: Not available.
.: Not available.
.: Not available.
.: Not available.
.: Not available.
.: Not available.
.: Not available.
.: Not available.
.: Not available.
.: Not available.
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Explosive properties
Risks of explosion of the product in presence of mechanical impact: Not available.
Risks of explosion of the product in presence of static discharge: Not available.

10. Stability and reactivity
.: The product is stable.
.: Not available.
.: These products are carbon oxides (CO, CO2), nitrogen oxides (NO, NO2...).

Hazardous Decomposition Products

11. Toxicological information
RTECS #: N/A
.: Not available.
.: Not available.
.: Not available.
.: Not available.
.: Not available.
.: Not available.
.: Not available.

Other Toxic Effects on Humans
No specific information is available in our database regarding the other toxic effects of this material for humans.

Not available.
To the best of our knowledge, the toxicological properties of this product have not been thoroughly investigated.

Carcinogenic effects: Not available.
Mutagenic effects: Not available.
Reproduction toxicity: Not available.
Teratogenic effects: Not available.

12. Ecological information

Toxicity of the Products of Biodegradation

13. Disposal considerations

Waste must be disposed of in accordance with federal, state and local environmental control regulations.
Methods of disposal: Waste of residues;
Contaminated packaging

14. Transport information

International transport regulations
Land - Road/Railway: Not controlled under ADR (Europe).
ADR/RID Class
Sea: Not controlled under IMDG.
IMDG Class
Air: Not controlled under IATA.
IATA-DGR Class
Not applicable.
Special Provisions for Transport

15. Regulatory information

EU Regulations: This product is not classified according to the EU regulations.
Risk Phrases
U.S. Federal Regulations: TSCA 8(b) inventory: l-histidine, n-[\{1,1-dimethylethoxy\}carbonyl]-1-(2,4-dinitrophenyl)-SARA 302/304/311/312 extremely hazardous substances: No products were found.
SARA 302/304 emergency planning and notification: No products were found.
SARA 302/304/311/312 hazardous chemicals: No products were found.
SARA 311/312 toxic chemical 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.
Not controlled under the HCS (United States).
HCS Classification

State Regulations:
CEPA/NDSL: l-histidine, n-[(1,1-dimethylethoxy)carbonyl]-1-(2,4-dinitrophenyl)-

16. Other information
Hazardous Material 0 National Fire
Health
Fire Hazard 1
Information System Protection Association
1
Fire Hazard (U.S.A.) (U.S.A.) 0 0
Health Reactivity 0
Reactivity
Specific Hazard A
Personal Protection
Personal Protection

Notice to Reader
To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein.
Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist. **This product is intended for research use only.**

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Catalog # date of issue 7/19/2004.