



MATERIAL SAFETY DATA SHEET

MSDS name: N-ATCA; N-Acetyl-Thiazolidine-4-Carboxylicacid

Product name: N-Acetyl-Thiazolidine-4-Carboxylicacid

Composition/Information on Ingredients

CHEMICAL NATURE: N-Acetyl-Thiazolidine-4-Carboxylicacid

Appearance: white powder, completely soluble in water

Amino acid :99%min

Heavy metals:10 ppm max

As:1 ppm max

Specific rotation: -126°±5° (C=2,MeOH)

1. Hazards Identification

Emergency overview

As part of good industrial and personal hygiene and safety procedure,avoid all unnecessary exposure to the chemical substance and ensure prompt removal from skin,eyes and clothing.

J.T Baker SAF-T-DATA(tm)Ratings(Provided here for your convenience)

Health Rating:1-Slight

Flammability Rating:1-Slight

Reactivity Rating:1-Slight

Contact Rating:1-Slight

Lab Protective Equip:GOGGLES;LAB COAT

Storage Color Code:Orange(General Storage)

Potential Health Effects

Inhalation:

No adverse health effects expected from inhalation.

Ingestion:

Large does may cause gastro-intestinal upset.

Skin Contact:

No adverse effects expected.

Eye Contact:

No adverse effects expected.

Chronic Exposure:

No information found.

Aggravation of Pre-existing Conditions:

No informaion found.



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2. First Aid Measures

Inhalation:

Not expected to require first aid measures. Get medical attention for any breathing difficulty.

Ingestion:

If large amounts were swallowed, give water to drink and get medical advice.

Skin Contact:

Wash exposed area with soap and water. Get medical advice if irritation develops.

Eye Contact:

Wash thoroughly with running water. Get medical advice if irritation develops.

3. Fire Fighting Measures

Fire:

Not considered to be a fire hazard.

Explosion:

Not considered to be an explosion hazard.

Fire Extinguishing Media:

Use any means suitable for extinguishing surrounding fire.

Special Information:

In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode.

4. Accidental Release Measures

Ventilate area of leak or spill. Wear appropriate personal protective equipment as specified in Section 8. Spill: Sweep up and containerize for reclamation or disposal. Vacuuming or wet sweeping may be used to avoid dust dispersal.

5. Handling and Storage

Keep in a tightly closed container, stored in a cool, dry, ventilated area. Protect against physical damage. Containers of this material may be hazardous when empty since they retain product residues (dust, solids); observe all warnings and precautions listed for the product.

6. Exposure controls/Personal protection

Airborne Exposure Limits:

Non established.

Ventilation System:

Not expected to require any special ventilation.

Personal Respirators (NIOSH Approved):

Not expected to require personal respirator usage.

Skin Protection:

Wear protective gloves and clean body-covering clothing.

Eye protection:

Use chemical safety goggles.



7. Physical and Chemical Properties

Appearance:

White powder.

Odor:

No information found.

Solubility:

Soluble in water.

Specific Gravity:

No information found.

pH:

No information found.

%Volatiles by volume@21C(70F):

0

Boiling Point:

Not applicable.

Melting point:

258-261C(496-502F)Decomposes.

Vapor Density(Air=1):

No information found.

Vapor Pressure(m m Hg):

No information found.

Evaporation Rate(BuAc=1):

No information found.

8. Stability and Reactivity

Stability:

Stable under ordinary conditions of use and storage.

Hazardous Decomposition Products:

Burning may produce carbon monoxide,carbon dioxide,sulfur oxides,and nitrogen oxides.

Hazardous Polymerization:

Will not occur.

Incompatibilities:

No information found.

Conditions to avoid:

No information found.

11.Toxicological Information

No LD50/LC50 information found relating to normal routes of occupational exposure.

Cancer list

NTP Carcinogen

Ingredient	Known	Anticipated	IARC Category IARC
N-Acetyl-Thiazolidine-4-Carboxylicacid	No	No	None



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12. Ecological Information

Environmental Fate:

No information found.

Environmental Toxicity:

No information found.

13. Disposal Considerations

Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.

14. Transport Information

Not regulated.

15. Regulatory Information

Chemical Inventory Status-Part 1

Ingredient	TSCA	EC	Japan	Australia
N-Acetyl-Thiazolidine-4-Carboxylic acid (5025-82-1)	Yes	Yes	Yes	Yes

Chemical Inventory Status-Part 2

Canada

Ingredient	Korea	DSL	NDSL	Phil
N-Acetyl-Thiazolidine-4-Carboxylic acid (5025-82-1)	Yes	Yes	No	Yes

Federal, State & International Regulations-Part 1

SARA 302

SARA 313

Ingredient	RQ	TPQ	List	Chemical Catg
N-Acetyl-Thiazolidine-4-Carboxylic acid (5025-82-1)	No	No	No	No

Federal, State & International Regulations-Part 2

Ingredient	CERCLA	-RCRA-261.33	-TSCA-8(d)
N-Acetyl-Thiazolidine-4-Carboxylic acid (5025-82-1)	No	No	No

Chemical Weapons Convention: No

TSCA 12 (b): No



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CDTA:No

SARA311/312: Acute:No

Chronic:No

Fire:No

Pressure:No

Reactivity:No

(Pure/Solid)

Australian Hazchem Code:None allocated.

Poison Schedule:None allocated.

16.Other Information

NFPA Ratings:Health:0 Flammability:0 Reactivity:0

Label Hazard Warning:

As part of good Industrial and personal hygiene and safety procedure,avoid all unnecessary exposure to the chemical substance and ensure prompt removal from skin,eyes and clothing.

Label Precautions:

None.

Label First Aid:

Not applicable.

