

# **Material Safety Data Sheet**

### Section 1 - Chemical Product and Company Identification

MSDS Name: (S)-(+)-2-(Benzyloxycarbonyl)-1,2,3,4-tetrahydro-3-isoquinolinecarboxylic

acid

Synonyms: (3S)-2-Carbobenzoxy-1,2,3,4-tetrahydroisoquinoline-3-carboxylic acid

Company Identification: PI Chemicals Ltd.

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Shanghai 200127, China

 Telephone Number:
 86-21-58953700

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 86-21-58953701

### Section 2 - Product Information

Catalog Number: PI-28831 CAS Number: 79261-58-8

MDL Number: MFCD00672545

**Purity:** 98%

# Section 3 - Physical and Chemical Properties

Physical state: Solid

Color: White or off-white

Molecular Formula: C<sub>18</sub>H<sub>17</sub>NO<sub>4</sub>
Molecular Weight: 311.33

Freezing/Melting Point: 137 - 141 °C (279 - 286 °F) - lit.

Boiling Point:

Flash Point:

Autoignition Temperature:

Refractive Index (nD20):

Undetermined

### Section 4 - Hazards Identification

Eye: Causes eye irritation.

Skin: May be harmful if absorbed through skin. Causes skin irritation.

**Ingestion:** May be harmful if swallowed.

Inhalation: May be harmful if inhaled. Causes respiratory tract irritation.



#### Section 5 - First Aid Measures

General advice: Consult a physician. Show this safety data sheet to the doctor in attendance. Move

out of dangerous area.

If inhaled: If breathed in, move person into fresh air. If not breathing give artificial

respiration. Consult a physician.

In case of skin contact: Wash off with soap and plenty of water. Consult a physician.

*In case of eye contact:* Rinse thoroughly with plenty of water for at least 15 minutes and consult a

physician.

If swallowed: Never give anything by mouth to an unconscious person. Rinse mouth with

water. Consult a physician.

### Section 6 - Stability and Reactivity

Chemical Stability: Stable under recommended storage conditions.

Conditions to Avoid: Avoid excessive heat and light.

Materils to Avoid: Strong oxidizing agents.

Hazardous Decomposition Products: Carbon oxides, nitrogen oxides(Nox).

Hazardous Polymerization: Has not been reported.

### Section 7 - Handling and Storage

Handling: Avoid contact with skin and eyes. Avoid formation of dust and aerosols.

Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for

preventive fire protection.

Storage: Keep container tightly closed in a dry and well-ventilated place.

Keep away from heat and light.

#### Section 8 - Personal Protection

Eyes: Wear appropriate protective eyeglasses.

Skin: Wear appropriate protective gloves to prevent skin exposure.

Clothing: Wear appropriate protective clothing to prevent skin exposure.

Respirators: Use an approved respirator if exposure limits are exceeded or if irritation or other symptoms

are experienced.

### Section 9 - Fire and Explosion Hazard Data

General Information: As in any fire, wear a self-contained breathing apparatus, MSHA/NIOSH

(approved or equivalent) and protective clothing to prevent contact with skin

and eyes.

Extinguishing Media: Use water spray, dry chemical, carbon dioxide, or appropriate foam.



#### Section 10 - Accidental Release Measures

General Information: Use proper personal protective equipment as indicated in Section 8.

Spills/Leaks: Vacuum or sweep up material and place into a suitable disposal container.

# Section 11 - Toxicological Information

*RTECS#:* CAS# 79261-58-8: Not available.

LD50/LC50: RTECS # Not available.

Carcinogenicity: (S)-(+)-2-(Benzyloxycarbonyl)-1,2,3,4-tetrahydro-3-isoquinolinecarboxylic acid

-Not listed as a carcinogen by ACGIH, IARC, NTP, or OSHA.

### Section 12 - Environmental information

Not available

# Section 13 - Disposal Consideration

Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Observe all federal, state and local environmental regulations.

### Section 14 - Transport Information

IATA: Not dangerous goods.IMO: Not dangerous goods.RID/ADR: Not dangerous goods.

# Section 15 - Regulatory Information

### European/International Regulations

**European Labeling in Accordance with EC Directives** 

Hazard Symbols: Xi

**Indication of Danger: Irritant** 

**Risk Phrases:** 

R 36/37/38: Irritating to eyes, respiratory system and skin.

Safety Phrases:

S 26: In case of contact with eyes, rinse immediately with plenty of water and seek

medical advice.

S 37/39: Wear suitable gloves and eye/face protection.

WGK (Water Danger/Protection)

CAS# 79261-58-8 : Not available



**US Federal** 

**TSCA** 

CAS# 79261-58-8 is not listed on the TSCA Inventory. It is for research and development use only.

# Section 16 - Additional Information

MSDS Creation Date: 20 October, 2010 Update: 28 March, 2012

The above information is believed to be accurate and represents the best knowledge available to us currently. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no way shall PI Chemicals, be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, even if PI Chemicals has been advised of the possibility of such damages.

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