



PRISM INDUSTRIES PRIVATE LIMITED

AN ISO 9001:2015, ISO 14001:2015, ISO 45000:2018, WHO-GMP APPROVED COMPANY

Works Address : Survey No. 637/23/A1, Khambhat Dhuvaran Road, At Kalamсар, Tal. Khambhat, Dist. Anand-388640, Gujarat. India. M. : 9727701668, 9712934397

CIN : U24231GJ1992PTC 017501 | PAN : AABCP7162Q | GSTIN : 24AABCP7162Q1ZY

Regd. Office : 208, Trivia Complex, Nr. Natubhai Circle, Race Course, Vadodara-390 007. Ph. : 0265-3504650 / 0265-3504649
Email : info@prismind.com | Website : www.prismindustriesltd.com

MATERIAL SAFETY DATA SHEET (CINCHONINE)

SECTION 1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name : Cinchonine
Company Identification : Prism Industries Private Limited
Survey No.637/23/A1, Khambhat Dhuvaran Road, At: Kalamсар
Ta: Khambhat, Di: Anand-388640, Gujarat, India
Contact No. : 9727701668, 9712934397
For further enquiries : info@prismind.com

SECTION 2 HAZARDS IDENTIFICATION

2.1 Emergency Overview

Warning! May Be Harmful If Swallowed, Inhaled Or Absorbed Through Skin. Causes Eye Irritation.

Potential Health Effects

Information on the human health effects from exposure to this substance is limited.

Inhalation:

SECTION 3 COMPOSITION, INFORMATION ON INGREDIENTS

3.1 Substances

Synonyms : Cinchonan-9-ol
Formula : $C_{19}H_{22}N_2O$
Molecular weight : 294 g/mol
CAS-No. : 118-10-5



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Component	CAS No.	Concentration
Cinchonine	118-10-5	90 - 100%

SECTION 4 FIRST AID MEASURES

4.1 Inhalation:

Remove to fresh air. Get medical attention for any breathing difficulty.

Ingestion:

Give several glasses of water to drink to dilute. If large amounts were swallowed, get medical advice.

Skin Contact:

Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention if symptoms occur.

Eye Contact:

Immediately flush eyes with plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Get medical attention immediately.

SECTION 5 FIRE FIGHTING MEASURES

Fire:

As with most organic solids, fire is possible at elevated temperatures or by contact with an ignition source.

Explosion:

Fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.

Fire Extinguishing Media:

Water spray, dry chemical, alcohol foam, or carbon dioxide.

Special Information:

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



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SECTION 6 ACCIDENTAL RELEASE MEASURES

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

SECTION 7 HANDLING AND STORAGE

Keep in a tightly closed light-resistant container, stored in a cool, dry, ventilated area. Protect against physical damage. Isolate from incompatible substances. 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.

SECTION 8 EXPOSURE CONTROLS, PERSONAL PROTECTION

Airborne Exposure Limits:

- OSHA Permissible Exposure Limit (PEL): 15 mg/m³ total dust, 5 mg/m³ respirable fraction for nuisance dusts. - ACGIH Threshold Limit Value (TLV): 10 mg/m³ total dust containing no asbestos and < 1% crystalline silica for Particulates Not Otherwise Classified (PNOC).

Ventilation System:

A system of local and/or general exhaust is recommended to keep employee exposures below the Airborne Exposure Limits. Local exhaust ventilation is generally preferred because it can



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control the emissions of the contaminant at its source, preventing dispersion of it into the general work area. Please refer to the ACGIH document, *Industrial Ventilation, A Manual of Recommended Practices*, most recent edition, for details.

Personal Respirators (NIOSH Approved):

If the exposure limit is exceeded, a half-face dust/mist respirator may be worn for up to ten times the exposure limit or the maximum use concentration specified by the appropriate regulatory agency or respirator supplier, whichever is lowest. A full-face piece dust/mist respirator may be worn up to 50 times the exposure limit, or the maximum use concentration specified by the appropriate regulatory agency, or respirator supplier, whichever is lowest. For emergencies or instances where the exposure levels are not known, use a full-face piece positive-pressure, air-supplied respirator. WARNING: Air-purifying respirators do not protect workers in oxygen-deficient atmospheres.

Skin Protection:

Wear protective gloves and clean body-covering clothing.

Eye Protection:

Use chemical safety goggles. Maintain eye wash fountain and quick-drench facilities in work area.

Other Control Measures:

There is insufficient data in the published literature to assign complete numerical SAF-T-DATA* ratings and laboratory protective equipment for this product. Special precautions must be used in storage, use and handling. Protective equipment for laboratory bench use should be chosen using professional judgment based on the size and type of reaction or test to be conducted and the available ventilation, with overriding consideration to minimize contact with the chemical.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

(a) Appearance	Form: White powder
(b) Odour	No data available
(c) Specific Gravity	No data available
(d) Solubility	Insoluble in water
(e) pH	No data available
(f) Melting point	260-263°C
(g) Vapor Density (Air=1)	No data available



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- (h) Vapour pressure No data available
(i) Evaporation Rate (BuAc=1): No data available

SECTION 10 STABILITY AND REACTIVITY

10.1 Stability:

Stable under ordinary conditions of use and storage. May decompose on exposure to light.

10.2 Hazardous Decomposition Products

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

10.3 Hazardous Polymerization

Will not occur

10.4 Incompatibilities

Strong oxidizers

10.5 Conditions to Avoid

No information found

SECTION 11 TOXICOLOGICAL INFORMATION

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

Ingredient	Known	Anticipated	IARC Category
Cinchonine (118-10-5)	No	No	None

SECTION 12 ECOLOGICAL INFORMATION

12.1 Environmental Fate

No information found

12.2 Environmental Toxicity

No information found

SECTION 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 may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.



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SECTION 14 TRANSPORT INFORMATION

Not regulated

SECTION 15 REGULATORY INFORMATION

- 15.1** Safety, health and environmental regulations/legislation specific for the substance or mixture.
National legislation
Legislation Storage class 10 - 13
Product name (+)-Cinchonine for resolution of race mates for synthesis
- 15.2** Chemical safety assessment
For this product a chemical safety assessment was not carried out.

SECTION 16 ADDITIONAL INFORMATION

- 16.1** NFPA Ratings: Health: 1 Flammability: 1 Reactivity: 1

Label Hazard Warning:

Warning! May Be Harmful If Swallowed, Inhaled Or Absorbed Through Skin. Causes Eye Irritation.

Label Precautions:

No SAF-T-DATA Ratings have been developed for this product. Read and follow all warnings, precautions, instructions and other safety and handling information on the label and MSDS. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Avoid breathing dust. Keep container closed. Use only with adequate ventilation.

Label First Aid:

In case of contact, immediately flush eyes or skin with plenty of water for at least 15 minutes. Remove contaminated clothing and shoes. Wash clothing before reuse. If inhaled, remove to fresh air. Get medical attention for any breathing difficulty. If swallowed, give large amounts of water to drink. Never give anything by mouth to an unconscious person.

Product Use:

Laboratory Reagent.

Revision Information:

Pure. New 16 section MSDS format, all sections have been revised.



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