


Section 1: Identification

Common Name/Trade Name	NALTREXONE HCL (ANHYDROUS)	
Supplier Information	Letco Medical, LLC 1316 Commerce Drive NW Decatur, AL 35601 1 (800) 239-5288 +1 (734) 843-4693	IN CASE OF EMERGENCY: Chemtrec 1 (800) 424-9300 (24 hours) NSW Poisons Information Centre: 131 126 (24 hours)
Distributor Name	Bella Corp Trading Pty Ltd 6/34 Dominions Road, Ashmore QLD 4214, Australia Telephone: 07 5597 4169 Email: bellacorp@bellacorp.com.au	
Product Synonym(s)	17(cyclopropylmethyl)74,57epoxy73, 14 dihydroxy7morphinan767one hydrochloride * Naltrexone Hydrochloride	
Relevant Use(s) of Product	Manufacture or Compounding of Substances	

Section 2: Hazards Identification

Classification of Substance or Mixture	Acute toxicity, oral (Category 4), Reproductive toxicity (Category 2)	
Signal Word	Warning	
Hazard Statement(s)	H302 H336 H361	Harmful if swallowed May cause drowsiness or dizziness Suspected of damaging fertility or the unborn child
Pictogram(s)		
Precautionary Statement(s)	P201 P202 P233 P260 P261 P264 P270 P271 P280 P301+P312 P304+P340 P308+P313 P330 P403 P405 P501	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep container tightly closed. Do not breathe dust/fume/gas/mist/vapours/spray. Avoid breathing dust/fume/gas/mist/vapours/spray. Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eye protection/face protection. IF SWALLOWED Call a POISON CENTER or doctor/physician if you feel unwell. IF INHALED Remove victim to fresh air and keep at rest in a position comfortable for breathing. IF exposed or concerned Get medical advice/attention. Rinse mouth. Store in a well-ventilated place. Store locked up. Dispose of contents/container to an approved waste disposal plant.
Hazards Not Otherwise Classified	Not classified	
Ingredient(s) with Unknown Toxicity	100% of the substance consists of component(s) of unknown acute dermal toxicity. 100% of the substance consists of component(s) of unknown acute inhalation toxicity.	

Section 3: Composition/Information on Ingredients

Chemical Name	177(cyclopropylmethyl)74,57epoxy73, 14 dihydroxy7morphinan767one hydrochloride Naltrexone Hydrochloride
Common Name	NALTREXONE HYDROCHLORIDE
CAS Number	16676-29-2
Impurities and/or Stabilizing Additives	No data available

Section 4: First Aid Measures

General Advice	IF exposed or concerned: Get medical advice/attention. If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance. Indication of immediate medical attention and special treatment needed: Provide general supportive measures and treat symptomatically. Keep victim warm. Keep victim under observation. Symptoms may be delayed.
If Inhaled	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a poison center or doctor/physician if you feel unwell.
In Case of Skin Contact	Wash off with soap and water. Get medical attention if irritation develops and persists.
In Case of Eye Contact	Do not rub eyes. Rinse with water. Get medical attention if irritation develops and persists.
If Swallowed	Rinse mouth. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. Get medical advice/attention if you feel unwell.
Most Important Symptoms and Effects	May cause drowsiness and dizziness. Headache. Nausea, vomiting. Dusts may irritate the respiratory tract, skin and eyes.

Section 5: Fire Fighting Measures

Suitable Extinguishing Media	Suitable extinguishing media Water fog. Foam. Dry chemical powder. Carbon dioxide (CO ₂). Unsuitable extinguishing Do not use water jet as an extinguisher, as this will spread the fire. media
Special Hazards Arising From the Substance/Mixture	During fire, gases hazardous to health may be formed such as: Carbon oxides. Nitrogen Oxides. Hydrogen Chloride (HCl). Material will burn in a fire.
Special PPE and/or Precautions for Firefighters	Self-contained breathing apparatus and full protective clothing must be worn in case of fire. In case of fire and/or explosion do not breathe fumes. Use water spray to cool unopened containers. Move containers from fire area if you can do so without risk. Use standard firefighting procedures and consider the hazards of other involved materials. Follow handling guidance appropriate for OEB72 compounds,

Section 6: Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures	Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean7up. Avoid inhalation of dust. Use a NIOSH/MSHA-approved respirator if there is a risk of exposure to dust/fume at levels exceeding the exposure limits. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS. Follow handling guidance appropriate for OEB72 compounds,
Methods and Materials Used for Containment	Avoid discharge into drains, water courses or onto the ground.
Cleanup Procedures	Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air). Collect dust using a vacuum cleaner equipped with HEPA filter. This product is miscible in water. Stop the flow of material, if this is without risk. Large Spills: Wet down with water and dike for later disposal. Absorb in vermiculite, dry sand or earth and place into containers. Shovel the material into waste container. Following product recovery, flush area with water. Retain and dispose of contaminated wash water. Small Spills: Sweep up or vacuum up spillage and collect in suitable container for disposal. Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Section 7: Handling and Storage

Precautions for Safe Handling	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Minimize dust generation and accumulation. Provide appropriate exhaust ventilation at places where dust is formed. Do not taste or swallow. Avoid breathing dust. Avoid prolonged exposure. When using, do not eat, drink or smoke. Pregnant or breastfeeding women must not handle this product. Should be handled in closed systems, if possible. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Observe good industrial hygiene practices.
Conditions for Safe Storage	For storage condition, see finished product label. Store locked up. Store in tightly closed container. Store in a cool place. Store in a well-ventilated place. Store away from heat and light. Store away from incompatible materials

Section 8: Exposure Controls/Personal Protection

Components with Workplace Control Parameters	The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit. At this time, the other constituents have no known exposure limits. OEG 50g/m ³ 87hour time-weighted average. STEG 500g/m ³ 157minute average. Biological limit values No biological exposure limits noted for the ingredient(s). NALTREXONE HYDROCHLORIDE falls within Mallinckrodt Occupational Exposure Band 2B (OEB 2B) covering the 87hour time 7 weighted average range >10 7 100g/m ³ . Short7term Exposure Guideline (STEG), if listed, is the value for a 157minute exposure time.
Appropriate Engineering Controls	Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. If engineering measures are not sufficient to maintain concentrations of dust particulates below the Occupational Exposure Limit (OEL), suitable respiratory protection must be worn. If material is ground, cut, or used in any operation which may generate dusts, use appropriate local exhaust ventilation to keep exposures below the recommended exposure limits. Eye wash fountain and emergency showers are recommended. Observe any medical surveillance requirements. Keep away from food and drink. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. See Section 7 for additional information on occupational control measures appropriate for OEB72 compounds.
PPE - Eye/Face Protection	Chemical goggles are recommended.
PPE - Skin Protection	Wear appropriate chemical resistant gloves. Nitrile or butyl rubber gloves are recommended.
PPE - Body Protection	Wear appropriate gloves, lab coat, nylon coveralls or disposable Tyvek suit® safety glasses, safety shoes, and disposable booties. Thermal hazards Wear appropriate thermal protective clothing, when necessary.
PPE - Respiratory Protection	Where open handling of powders occurs, use a powered, air7purifying respirator (PAPR) with HEPA cartridges or a supplied7air respirator (SAR), unless air7monitoring data has shown that a lower level of respiratory protection is adequate.

Section 9: Physical and Chemical Properties

Appearance	White to off-white crystalline powder
Upper/Lower Flammability or Explosive Limits	Not available.
Odor	Odorless
Vapor Pressure	Not available.
Odor Threshold	Not available.
Vapor Density	Not available.
pH	Not available.
Relative Density	1.3
Melting Point/Freezing Point	Not available.
Solubility	Water-Soluble
Initial Boiling Point and Boiling Range	Not available.
Flash Point	Not available.
Evaporation Rate	Not available.
Flammability (Solid, Gas)	Not available.
Partition Coefficient	1.84
Auto-Ignition Temperature	Not available.
Decomposition Temperature	Decomposition to 270°C
Viscosity	Not available.

Section 10: Stability and Reactivity

Reactivity	The product is stable and non7reactive under normal conditions of use, storage and transport.
Chemical Stability	Material is stable under normal conditions.
Possibility of Hazardous Reactions	No dangerous reaction known under conditions of normal use.
Conditions to Avoid	Contact with incompatible materials.
Incompatible Materials	Strong oxidizing agents.
Hazardous Decomposition Products	No hazardous decomposition products are known.

Section 11: Toxicological Information

Acute Toxicity - LD50 Oral	LD50 (oral rat)-1450gm/kg. Mouse 1100 mg/kg. Harmful if swallowed.
Acute Toxicity - Inhalation	May cause drowsiness and dizziness. Headache. Nausea, vomiting. Dust may irritate respiratory system. Prolonged inhalation may be harmful.
Acute Toxicity - Dermal	Dust or powder may irritate the skin.
Acute Toxicity - Eye	Dust may irritate the eyes. Direct contact with eyes may cause temporary irritation.
Skin Corrosion/Irritation	Prolonged skin contact may cause temporary irritation. This product is not expected to cause skin sensitization.
Serious Eye Damage/Irritation	Direct contact with eyes may cause temporary irritation.
Respiratory or Skin Sensitization	Not a respiratory sensitizer.
Germ Cell Mutagenicity	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.
Carcinogenicity IARC	Not listed. Not classifiable as to carcinogenicity to humans.
Carcinogenicity ACGIH	Not classifiable as to carcinogenicity to humans.
Carcinogenicity NTP	Not classifiable as to carcinogenicity to humans.
Carcinogenicity OSHA	Not regulated. Not classifiable as to carcinogenicity to humans.
Reproductive Toxicity	Suspected of damaging fertility or the unborn child.
Specific Target Organ Toxicity - Single Exposure	May cause drowsiness and dizziness.
Specific Target Organ Toxicity - Repeated Exposure	Not classified.
Aspiration Hazard	Not an aspiration hazard.

Section 12: Ecological Information

Toxicity	The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.
Persistence and Degradability	No data is available on the degradability of this substance.
Bio-accumulative Potential	Partition coefficient n-octanol / water (log Kow) 0.534 1.84
Mobility in Soil	This product is water soluble and may disperse in soil
Other Adverse Effects	100% of the substance consists of component(s) of unknown acute hazards to the aquatic environment. 100% of the substance consists of component(s) of unknown long-term hazards to the aquatic environment.

Section 13: Disposal Considerations

Waste Treatment Methods Product	Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Follow handling guidance appropriate for OEB72 compounds, (see Section 7). Dispose of contents/container in accordance with local/regional/national/international regulations. Dispose in accordance with all applicable regulations
Waste Treatment Methods Packaging	Deliver to the Environmental service of the factory or to any specialized and approved disposal service. Make the container unusable. The waste code should be assigned in discussion between the user, the producer and the waste disposal company. Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions). Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.
Special Precautions Landfill or Incinerations	No data available
Other Information	No data available

Section 14: Transport Information

UN Number	Not dangerous goods
UN Proper Shipping Name	N/A
Transport Hazard Class(es)	N/A
Packaging Group	N/A
Environmental Hazards	No data available

Section 15: Regulatory Information

US federal regulations This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200. TSCA exempt status CERCLA (Superfund) reportable quantity None CERCLA Hazardous Substance List (40 CFR 302.4) Not listed. SARA 304 Emergency release notification Not regulated. OSEA Specifically Regulated Substances (29 CFR 1910.1001-1052) Not regulated. US federal regulations Toxic Substances Control This substance is not on the TSCA 8(b) inventory or is designated "inactive". Act (TSCA) TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D) Not regulated. SARA 302 Extremely hazardous substance Superfund Amendments and Reauthorization Act of 1986 (SARA) Not listed. SARA 311/312 Hazardous chemical Acute toxicity (any route of exposure) Reproductive toxicity Specific target organ toxicity (single or repeated exposure) Classified hazard categories SARA 313 (TRI reporting) Not regulated. Other federal regulations Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (EAPs) List Not regulated. Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130) Not regulated. Safe Drinking Water Act Not regulated. (SDWA) US state regulations California Proposition 65 California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins. For more information go to www.P65Warnings.ca.gov. International Inventories Country(s) or region Inventory name On inventory (yes/no)* Australia Australian Inventory of Chemical Substances (AICS) No Canada Domestic Substances List (DSL) No Canada Non7Domestic Substances List (NDSL) No China Inventory of Existing Chemical Substances in China (IECSC) No Europe European Inventory of Existing Commercial Chemical Yes Substances (EINECS) Europe European List of Notified Chemical Substances (ELINCS) No Japan Inventory of Existing and New Chemical Substances (ENCS) No Korea Existing Chemicals List (ECL) No New Zealand New Zealand Inventory No Philippines Philippine Inventory of Chemicals and Chemical Substances No (PICCS) Taiwan Taiwan Chemical Substance Inventory (TCSI) Yes United States & Puerto Rico Toxic Substances Control Act (TSCA) Inventory No *A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s) A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

Section 16: Other Information

Additional Information	Further information May cause central nervous system disorder (e.g., narcosis involving a loss of coordination, weakness, fatigue, mental confusion and blurred vision) and/or damage. May cause damage to the liver. Information in drug literature indicates this substance has been shown to have embryocidal effects in experimental animals at large doses. May produce acute withdrawal symptoms in individuals physically dependent on opioids. 100% of the substance consists of component(s) of unknown acute dermal toxicity. 100% of the substance consists of component(s) of unknown acute inhalation toxicity.
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Revision Date	01/09/2025 10:40

Disclaimer

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