

Safety Data Sheet

Apomorphine HCl

Cat#: orb340310

Revision Date: 9/4/24

Section 1: Product and Company Identification

Name: Apomorphine hydrochloride

CAS Number: 41372-20-7

Catalog Number: orb340310

Chemical Formula: C₁₇H₁₇NO₂ • HCl ½H₂O

Alt. Name: Apokyn

Recommended use: For research use only

Section 2: Hazards Identification

GHS – Classification

Acute toxicity, Oral (Category 3), H301

Signal Word

Danger

Hazard Statements

H301 - Toxic if swallowed

Precautionary statements

P264 - Wash skin thoroughly after handling

P270 - Do not eat, drink or smoke when using this product

P301 + P310 + P330 - IF SWALLOWED: Immediately call a POISON CENTER/doctor. Rinse mouth.

P321 - Specific treatment (see sections 4 and 11)

P405 - Store locked up

P501 - Dispose of contents/ container to an approved waste disposal plant

Other information

None

Section 3: Composition / Information on Ingredients

This product contains only the ingredient described in Section 1.

Section 4: First Aid Measures

General Advice:	Consult physician. Show this safety data sheet to the doctor in attendance. Symptoms of exposure may occur even after several hours; therefore, use medical observation for at least 48 hours after exposure.
Eye Contact:	Flush eyes with water as a precaution. Remove contact lenses.
Skin Contact:	Take off all contaminated clothing. Wash off with soap and plenty of water.
Inhalation:	If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician. In case of unconsciousness place patient stably on the side for transport.
Ingestion:	Immediately consult physician. Never give anything by mouth to an unconscious person.
Notes to Physician:	May cause anemia, cough, CNS depression, drowsiness, headache, heart damage, lassitude, liver damage, narcosis. See also section 11.

Section 5: Fire and Explosion Data

Flammability:	Not Available
Flash Point:	Not Available
Combustion Products:	Carbon oxides, Nitrogen oxides (NO _x), Hydrogen chloride gas
Extinguishing Media:	Use fire fighting measures that suit the environment. Fight fire according to surrounding conditions.
Special Firefighting Procedures:	Wear self-contained breathing apparatus for firefighting if necessary.
Explosion Data:	Not Available

Section 6: Accidental Release Measures

Personal Precautions: Use personal protective equipment. Avoid dust formation. Avoid breathing vapors, mist, dust, or gas. Ensure adequate ventilation. Evacuate personnel to safe areas.

Environmental Precautions: Do not let product enter drains.

Methods of Containment and Cleanup:

Pick up and arrange disposal without creating dust using wet paper towels for small quantities. Keep in suitable, closed containers for disposal.

Methods for Disposal: See section 13

Section 7: Storage and Handling Precautions

Advice on Safe Handling:

Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed.

Storage and Handling:

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

Section 8: Exposure Controls / Personal Protection

Exposure Guidelines: This product does not contain any hazardous materials with occupational exposure limits established by region-specific regulatory bodies.

Personal Protective Equipment:

Eye / Face Protection: Tightly fitting safety goggles. Face shield

Skin Protection: Handle with gloves

Respiratory Protection: Wear NIOSH / MSHA approved respirator if required.

Body Protection: Impervious clothing

Personal Hygiene Measures: When using this product, do not eat, drink or smoke.
Remove and wash contaminated clothing before re-use. Provide regular cleaning of equipment, work area and clothing.

Section 9: Physical and Chemical Properties

Appearance: Powder

Odor: Not Available

Odor Threshold: Not available

Physical state @ 20°C: Solid

pH: Not Applicable

Auto-ignition Temp.: Not Available

Flash Point: Not available

Boiling point: Not Available

Decomposition Temp.: Not Available

Flammability limits in air: Not Available

Melting Point: Not found

Aqueous Solubility: 20 mg / mL

Explosion Limits: Not Applicable

Vapor Density: Not Available

Specific Gravity: Not Available

Evaporation Rate: Not Applicable

VOC Content: Not Applicable

Section 10: Stability and Reactivity Data

Reactivity: None known

Chemical Stability: This material is stable if stored as directed

Possibility of Hazardous Reactions: None known

Incompatible products: None known

Conditions to avoid: Not available

Hazardous decomposition products: In the event of fire: see section 5

Hazardous polymerization: Does not occur

Section 11: Toxicological Information

Acute Toxicity

Oral toxicity: LD50 Oral - Mouse - 300 mg/kg.

Inhalation: No data available

Dermal: No data available

Skin corrosion / Irritation: No data available

Serious eye damage / eye irritation: No data available

Respiratory or skin sensitization: No data available

Germ cell mutagenicity: No data available

Carcinogenicity:

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible, or confirmed human carcinogen by IARC.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive Toxicity: None known

RTECS#: Not available

Chronic Toxicity: No data available

Target Organs or Systems: Effects due to ingestion may include nausea and vomiting. The chemical, physical, and toxicological properties have not been thoroughly investigated. Stomach - Irregularities - Based on Human Evidence

Section 12: Ecological Information

Ecotoxicological Information: No data available

Persistence and degradability: No data available

Bioaccumulative potential: No data available

Mobility in soil: No data available

Results of PBT and vPvB assessment: No data available

Section 13: Disposal Considerations

Waste Disposal Method: Offer surplus and non-recyclable product and packaging to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material.

Contaminated packaging: Dispose of as unused product.

Section 14: Transport Information

Land Transport (US DOT):

UN number: 2811 Class: 6.1 Packing group: III

Proper shipping name: Toxic solids, organic, n.o.s. (Apomorphine hydrochloride) Poison Inhalation Hazard: No

Marine Transport (IMDG):

UN number: 2811 Class: 6.1 Packing group: III EMS-No: F-A, S-A

Proper shipping name: TOXIC SOLID, ORGANIC, N.O.S. (Apomorphine hydrochloride)

Air Transport (ICAO / IATA):

UN number: 2811 Class: 6.1 Packing group: III

Proper shipping name: Toxic solid, organic, n.o.s. (Apomorphine hydrochloride)

Section 15: Regulatory Information

SARA 302 Components

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components

SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazards

Acute Health Hazard, Chronic Health Hazard

Massachusetts Right To Know Components

No components are subject to the Massachusetts Right to Know Act.

Pennsylvania Right To Know Components

Apomorphine hydrochloride CAS-No. 41372-20-7

New Jersey Right To Know Components

Apomorphine hydrochloride CAS-No. 41372-20-7

California Prop. 65 Components

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

Section 16: Other Information

The above information is believed to be correct to the best of our knowledge, information and belief at the date of its publication and / or revision. The information given is designed only as a guide for safe handling, use, storage transportation disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific product designated and may not be valid for such material used in combination with any other materials or in any process unless specified in the text. This information does not purport to be complete and should be used only as a guide since new information on this product may not be known to us. The burden of safe use of this material rests entirely with the user.