LKT Laboratories, Inc.

Safety Data Sheet

Section 1. Product and Company Identification

Product Name Loperamide Hydrochloride

Product ID L5660

Chemical Name (Synonyms) Imodium; Tebloc; Dissenten; Lopemin

Supplier

LKT Laboratories, Inc
545 Phalen Blvd.
St. Paul, MN 55130 USA
Ph: 651-644-8424 Fax: 651-644-8357
www.lktlabs.com - getinfo@lktlabs.com

Emergency Phone # 1-800-424-9300

Section 2. Hazards Identification

GHS Classification Acute toxicity, Oral (Category 3)

GHS Label elements including precautionary statements

Pictogram

Signal word **Danger**

Hazard and precautionary statements

Hazard statement
H301 - Toxic if Swallowed
Precautionary statements
P301 + P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

HMIS Classification

Health Hazard: 2
Flammability: 0
Physical Hazards: 0

NFPA Rating

Health Hazard: 2
Fire: 0
Reactivity Hazard: 0

Potential Health Effects

Inhalation: May be harmful if inhaled. Causes respiratory tract irritation.
Skin: May be harmful if absorbed through skin. Causes skin irritation.
Eyes: Causes eye irritation.

Ingestion: Acute toxicity. Toxic if swallowed.

Section 3. Composition/Information on Ingredients

Substances

Formula	$C_{29}H_{33}ClN_2O_2 \cdot HCl$	**Formula Wt.**	513.51
CAS No.	34552-83-5	**EC No.**	

Section 4. First Aid Measues

General advice Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

Eye Contact Remove contact lenses. Flush with water for at least 15 minutes and seek medical attention immediately.

Skin Contact Wash with soap and water for 15 minutes and seek medical attention immediately. Wash contaminated clothing before use.

Inhalation Remove from exposure and provide respiration support if necessary. Seek medical attention.

Ingestion Rinse mouth with water. Contact a physician or poison control immediately.

Section 5 . Firefighting Measures

Flash Point Not available.

Extingushing Media Water spray, dry chemical powder, carbon dioxide, polymer foam.

Firefighting Procedures Wear self-contained breathing apparatus and protective clothing.

Unusual Fire Hazards May emit toxic fumes.

Section 6. Accidental Release Measures

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

Environmental Precautions Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

Methods and materials for containment and cleanup Use appropriate tools to collect material and dispose of in waste container. Avoid raising dust. Ventilate the area and wash spill site after material has been removed.

Section 7. Handling and Storage

Handling Wear gloves, goggles, and lab coat when handling this material. Use in a well ventilated area. Use only in a chemical fume hood. Wash thoroughly after handling material.

Storage Conditions Store in a cool, dry place in a tightly closed container.
Recommended storage temperature: Ambient

Hazardous Decomposition Products Hazardous decomposition products formed under fire conditions. Carbon oxides, nitrogen oxides, Hydrogen Chloride gas.

Other Remarks None

Section 8. Exposure Controls/Personal Protection

Personal protective equipment

Contains no substances with occupational exposure limit values.

Respiratory Protection

For nuisance exposures use type P95 (US) or type P1 (EU EN 143) particle respirator.For higher level protection use type OV/AG/P99 (US) or type ABEK-P2 (EU EN 143) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Hand Protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Eye Protection

Face shield and safety glasses. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU).

Skin and Body Protection

Complete suit protecting against chemicals. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Hygiene Measures

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Section 9. Physical and Chemical Properties

Physical State	Solid	**Color**	White or almost white crystalline powder.
Boiling Point	Not available.	**Volatility**	Not available.
Melting Point	222°C-223°C	**Density**	Not available.
Solubility	Soluble in methanol or chloroform.	**pH**	Not available.
Flash Point	Not available.	**Ignition temperature**	Not available.
Lower explosion limit	Not available.	**Autoignition temperature**	Not available.
Upper explosion limit	Not available.	**Vapor pressure**	Not available.
Water solubility	Not available.	**Odor**	Not available.
Partition coefficient: n-octanol/water	Not available.	**Odor Threshold**	Not available.
Relative vapor density	Not available.	**Evaporation rate**	Not available.

Section 10. Stability and Reactivity

Stability

Stable under recommended storage conditions

Materials To Avoid

Keep away from heat and strong oxidizing agents.

Hazardous Decomposition Products

Hazardous decomposition products formed under fire conditions. Carbon oxides, nitrogen oxides, Hydrogen Chloride gas.

Possibility of hazardous reactions Not available.

Conditions to avoid Not available.

Section 11. Toxicological Information

Oral LD50 LD50 Oral - rat - 185 mg/kg

Inhalation LC50 Not available.

Dermal LD50 Not available.

Other information on acute toxicity Not available.

Reproductive Toxicity Reproductive toxicity - rat - Oral
Effects on Newborn: Weaning or lactation index (e.g., # alive at weaning per # alive at day 4)

Specific organ toxicity single exposure (GHS) Not available.

Specific organ toxicity repeated exposure (GHS) Not available.

Teratogenicity Not available.

Skin corrosion/irritation Not available.

Serious eye damage/irritation Not available.

Respiratory or skin sensitization Not available.

Germ cell mutagenicity Not available.

Aspiration Hazard Not available.

Synergistic effects Not available.

Additional Information RTECS: TM4960000

Signs and symptoms of exposure Nausea, Vomiting, Constipation., Dizziness, fatigue, Central nervous system depression, Gastrointestinal disturbance, To the best of ou knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Potential Health Effects Inhalation: May be harmful if inhaled. Causes respiratory tract irritation.
Skin: May be harmful if absorbed through skin. Causes skin irritation.
Eyes: Causes eye irritation.
Ingestion: Acute toxicity. Toxic if swallowed.

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.

Section 12. Ecological Information

Toxicity Not available.

Mobility in soil Not available.

PBT and vPvB assessment Not available.

Persistence and degradability Not available.

Other adverse effects Not available.

Bioaccumulative potential Not available.

Section 13. Disposal Considerations

Waste Disposal Dispose of material according to all federal, state and local regulations.

Section 14. Transport Information

DOT (US) UN Number: 2811 Class: 6.1 Packing Group: III
Proper shipping name: Toxic solids, organic, n.o.s. (Loperamide hydrochloride)
Marine pollutant: No Poison Inhalation Hazard: No

IATA UN number: 2811 Class: 6.1 Packing group: III Proper shipping name: Toxic solid, organic, n.o.s. (4-(4-Chlorophenyl)-4-hydroxy-N,N-dimethyl-α,α-diphenylpiperidine-1- butyramide monohydrochloride)

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. (4-(4-Chlorophenyl)-4-hydroxy-N,N-dimethyl-α,α- diphenylpiperidine-1-butyramide monohydrochloride) Marine pollutant: No

Further Information

Section 15. Regulatory Information

Reach No.

SARA 302 Components SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title II, 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 Components Acute Health Hazard

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

Pennsylvania Right To Know Components Loperamide Hydrochloride CAS #: 34552-83-5 Revision Date:

New Jersey Right To Know Components Loperamide Hydrochloride CAS #: 34552-83-5 Revision Date:

California Prop 65 Components This product does not contain any chemicals known to the State of California to cause cancer, birth defects or any other reproductive harm.

Section 16. Other Information

Other information The information in this document is believed to be correct but is not necessarily complete. LKT does not guarantee the accuracy of the information. The burden of verifying the information in this document rests solely upon the user.

Updated 8/22/2019

For emergencies in the USA, call
CHEMTREC 800-424-9300