Section 1. Product and Company Identification

Product Name: Haloperidol
Product ID: H0142
Chemical Name (Synonyms): Haldol; Halosten; Linton; Keselan; Aloperidin; Brotopon; Dozic.
Supplier: LKT Laboratories, Inc
Suppliers Emergency Phone #: 1-800-424-9300

GHS Classification:
- Acute toxicity, Oral (Category 3), H301
- Skin irritation (Category 2), H315
- Skin sensitization (Category 1), H317
- Eye irritation (Category 2), H319
- Specific target organ toxicity - single exposure (Category 3), Respiratory system, H335
- Reproductive toxicity (Category 2), H361

GHS Label elements including precautionary statements

Pictogram:
- Danger

Signal word: Danger

Hazard and precautionary statements:
- Hazard statements:
  - H301 - Toxic if swallowed.
  - H315 - Causes skin irritation.
  - H317 - May cause an allergic skin reaction.
  - H319 - Causes serious eye irritation.
  - H335 - May cause respiratory irritation.
  - H361 - Suspected of damaging fertility or the unborn child.

Precautionary statements:
- P201 - Obtain special instructions before use.
- P202 - Do not handle until all safety precautions have been read and understood.
- P261 - Avoid breathing dust, fumes, gas, mist, vapors, and spray.
- P264 - Wash skin thoroughly after handling.
- P270 - Do not eat, drink, or smoke when using this product.
- P271 - Use only outdoors or in a well-ventilated area.
- P272 - Contaminated work clothing should not be allowed out of the workplace.
- P300 - Wear protective gloves, eye protection, and face protection.
- P301 + P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
- P302 + P352 - IF ON SKIN: Wash with plenty of soap and water.
- P303 + P360 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
- P304 + P340 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P308 + P303 - IF exposed or contaminated: Get medical advice/attention.
- P311 - Specific treatment (see supplemental first aid instructions on this label).
- P312 - If skin irritation or rash occurs: Get medical advice/attention.
- P337 + P313 - If eye irritation persists: Get medical advice/attention.
- P362 - Take off contaminated clothing and wash before reuse.
- P403 + P233 - Store in a well-ventilated place. Keep container tightly closed.
- P405 - Store locked up.

HMIS Classification:
- Health hazard: 2
- Flammability: 0
- Physical hazard: 0

NFPA Rating:
- Health hazard: 2
- Fire hazard: 0
- Physical hazard: 0

Potential Health Effects:
- Inhalation: May be harmful or inhaled. May cause respiratory tract irritation.
- Skin: May be harmful if absorbed through skin. Causes skin irritation. May cause an allergic skin reaction.
- Eyes: Causes serious eye irritation.
- Ingestion: Acute toxicity. Toxic if swallowed.
Section 3. Composition/Information on Ingredients

<table>
<thead>
<tr>
<th>Substances</th>
<th>Ingredient: Title Compound</th>
<th>Percent: 100</th>
</tr>
</thead>
<tbody>
<tr>
<td>Formula Wt.</td>
<td>375.86</td>
<td></td>
</tr>
<tr>
<td>CAS No.</td>
<td>52-86-8</td>
<td>200-155-6</td>
</tr>
</tbody>
</table>

Section 4. First Aid Measures

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

Eye Contact
Flush eyes with plenty of water for at least 15 minutes and consult a physician.

Skin Contact
Wash off with soap and plenty of water. Take victim immediately to hospital. Consult a physician.

Inhalation
If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

Ingestion
Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

Section 5. Firefighting Measures

Flash Point
Not available.

Extinguishing Media
Use water spray, alcohol-resistant foam, dry chemical, or carbon dioxide.

Firefighting Procedures
Wear self-contained breathing apparatus for firefighting if necessary.

Unusual Fire Hazards
Carbon oxides, nitrogen oxides (NOx), hydrogen chloride gas, hydrogen fluoride.

Section 6. Accidental Release Measures

Personal Precautions
Wear respiratory protection. Avoid dust formation. Avoid breathing dust, vapors, mist, or gas. Ensure adequate ventilation. Evacuate personnel to safe areas.

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
Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

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.

Storage Conditions
Keep container tightly closed in a dry and well-ventilated place.
Recommended storage temperature: Ambient

Hazardous Decomposition Products
Not available.

Other Remarks
Reproduction: Suspected of damaging fertility or the unborn child.
Organ toxicity - May cause respiratory irritation.
Section 8. Exposure Controls/Personal Protection

Personal protective equipment
EXPOSURE CONTROLS
Contains no substances with occupational exposure limit values.
Avoid contact with skin, eyes, and clothing. Wash hands before breaks and immediately after handling the product.

PERSONAL PROTECTION
Eye/face 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 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. Full and Splash contact - Material: Nitrile rubber, Minimum layer thickness: 0.11 mm, Break through time: 480 min., Material tested: Dermatril® (KCL 740 / Aldrich Z677272, Size M).
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. Respiratory protection: Where risk assessment shows air-purifying respirators are appropriate, use a full-face particle respirator type N100 (US) or type P3 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Section 9. Physical and Chemical Properties

| Physical State | Solid. |
| Color | White crystal powder. |
| Boiling Point | Not available. |
| Volatility | Not available. |
| Melting Point | 148-149.4°C |
| Density | Not available. |
| Solubility | Soluble in chloroform, ethanol (16 mg/mL), methanol, acetone or benzene. Insoluble in water. |
| pH | Not available. |
| Ignition temperature | Not available. |
| Lower explosion limit | Not available. |
| Upper explosion limit | Not available. |
| Water solubility | Insoluble in water. |
| Vapor pressure | 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
Strong oxidizing agents.

Hazardous Decomposition Products
Not available.
Section 11. Toxicological Information

**Oral LD50**
- Mammal - 80 mg/kg
- Mouse - 71 mg/kg
- Dog - 90 mg/kg

**Inhalation LC50**
Not available.

**Dermal LD50**
Not available.

**Other information on acute toxicity**
Not available.

**Skin corrosion/irritation**
Not available.

**Serious eye damage/irritation**
Not available.

**Respiratory or skin sensitization**
Causes photosensitivity. Exposure to light can result in allergic reactions resulting in dermatologic lesions, which can vary from sunburn-like responses to edematous, vesiculated lesions, or bullae.

**Germ cell mutagenicity**
Not available.

**Reproductive Toxicity**
Suspected human reproductive toxicant.

**Aspiration Hazard**
Not available.

**Specific organ toxicity single exposure (GHS)**
May cause respiratory irritation.

**Specific organ toxicity repeated exposure (GHS)**
Not available.

**Teratogenicity**
Not available.

**Potential Health Effects**
- Inhalation: May be harmful if inhaled. May cause respiratory tract irritation.
- Skin: May be harmful if absorbed through skin. Causes skin irritation. May cause an allergic skin reaction. Ingestion: Acute toxicity. Toxic if swallowed. Reproduction: Suspected of damaging fertility or the unborn child. Organ toxicity: May cause respiratory irritation.

**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**
PBT/vPvB assessment not available as chemical safety assessment not required/not
Section 13. Disposal Considerations

Waste Disposal
Dispose of material according to all federal, state and local regulations. Offer material to a licensed, professional waste disposal company to dispose of as unused product. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

Section 14. Transport Information

DOT (US)
UN number: 2811  Class: 6.1  Packing group: III
Proper shipping name: Toxic solids, organic, n.o.s. (Haloperidol)
Reportable quantity (RQ): Marine pollutant: No  Poison inhalation hazard: No

IATA
UN number: 2811  Class: 6.1  Packing group: III
Proper shipping name: Toxic solids, organic, n.o.s. (Haloperidol)

IMDG
UN number: 2811  Class: 6.1  Packing group: III
Proper shipping name: TOXIC SOLID, ORGANIC, N.O.S. (Haloperidol)
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 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 Components  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  Haloperidol  CAS #: 52-86-8  Revision Date: 2009-07-17

New Jersey Right To Know Components  Haloperidol  CAS #: 52-86-8  Revision Date: 2009-07-17

California Prop 65 Components  WARNING: This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.
Haloperidol  CAS #: 52-86-8  Revision Date: 1999-01-29

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.