LKT Laboratories, Inc.

Safety Data Sheet

Section 1. Product and Company Identification

Product Name Chloramphenicol

Product ID C2844

Chemical Name (Synonyms) Chloromyxin; Ophthochlor; Ophthocort.

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 Carcinogenicity (Category 1B), H350

GHS Label elements including precautionary statements

Pictogram

Signal word **Danger**

Hazard and precautionary statements

Hazard statement

H350 - May cause cancer.

Precautionary statements

P201 - Obtain special instructions before use.
P202 - Do not handle until all safety precautions have been read and understood.
P281 - Use personal protective equipment as required.
P308 + P313 - IF exposed or concerned: Get medical advice/ attention.
P405 - Store locked up.
P501 - Dispose of contents/ container to an approved waste disposal plant.

HMIS Classification

Health hazard: 1
Chronic health hazard: *
Flammability: 0
Physical hazard: 0

NFPA Rating

Health hazard: 0
Fire hazard: 0
Physical hazard: 0

Potential Health Effects

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

Ingestion - May be harmful if swallowed.
Carcinogenicity - May cause cancer.

Section 3. Composition/Information on Ingredients

Substances Ingredient: Title Compound Percent: 100

Formula $C_{11}H_{12}Cl_2N_2O_5$ **Formula Wt.** 323.13

CAS No. 56-75-7 **EC No.** 200-287-4

Section 4. First Aid Measues

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

Eye Contact Flush eyes with water as a precaution.

Skin Contact Wash off with soap and plenty of water. 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.

Extingushing 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.

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 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 formation of dust and aerosols. Further processing of solid materials may result in the formation of combustible dusts. The potential for combustible dust formation should be taken into consideration before additional processing occurs. 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

Section 8. Exposure Controls/Personal Protection

Personal protective equipment

EXPOSURE CONTROLS
Chloramphenicol / CAS No. 56-75-7/ Value: TWA/ Control parameters: 0.500000mg/m3/ Basis: USA. Workplace Environmental Exposure Levels (WEEL).
Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.
PERSONAL PROTECTION
Eye/face protection: Safety glasses with side-shields conforming to EN 166. 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: 0.11mm, Break through time: 480 min., Material tested: Dermatril® (KCL 740 / Aldrich Z677272, Size M).
Body protection: Impervious clothing. 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 or yellowish-white crystalline powder.
Boiling Point	Not available.	**Volatility**	Not available.
Melting Point	150.5-151.5 deg C	**Density**	Not available.
Solubility	Slightly soluble in water (2.5 mg/ml). Very soluble in methanol, ethanol, ethyl acetate, acetone.	**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	Slightly soluble in water (2.5 mg/ml).	**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 Acids, acid chlorides, acid anhydrides, oxidizing agents.

Hazardous Decomposition Products Not available.

Possibility of hazardous reactions Not available.

Conditions to avoid Not available.

Section 11. Toxicological Information

Oral LD50 Rat - 2,500 mg/kg.

Inhalation LC50 Not available.

Dermal LD50 Not available.

Other information on acute toxicity Not available.

Reproductive Toxicity Not available.

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 Prolonged or repeated exposure may cause allergic reactions in certain sensitive individuals.

Germ cell mutagenicity Laboratory experiments have shown mutagenic effects.
Rat, liver, DNA damage.
Mouse, cytogenetic analysis.

Aspiration Hazard Not available.

Synergistic effects Not available.

Additional Information RTECS: AB6825000
To the best of our knowledge, the chemical, physical and toxicological properties have not been thoroughly investigated.

Signs and symptoms of exposure Nausea, headache, vomiting.
Liver - irregularities - based on human evidence.

Potential Health Effects Inhalation - May be harmful if inhaled. May cause respiratory tract irritation.
Skin - May be harmful if absorbed through skin. May cause skin irritation.
Eyes - May cause eye irritation.
Ingestion - May be harmful if swallowed.
Carcinogenicity - May cause cancer.

Carcinogenicity This product is or contains a component that has been reported to be probably carcinogenic based on its IARC, OSHA, ACGIH, NTP or EPA classification. Possible human carcinogen.
IARC: 2A - Group 2A: Probably carcinogenic to humans (Chloramphenicol).
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: Reasonably anticipated to be a human carcinogen (Chloramphenicol)
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 Toxicity to daphnia and other aquatic invertebrates. EC50 - Daphnia magna (Water flea) - 345 mg/l - 48 h.

Mobility in soil Not available.

PBT and vPvB assessment PBT/vPvB assessment not available as chemical safety assessment not required/not

conducted.

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.
Offer material to a licensed, professional waste disposal company. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Dispose of as unused product.

Section 14. Transport Information

DOT (US) Not dangerous goods.

IATA Not dangerous goods.

IMDG Not dangerous goods.

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 Chronic health hazard.

Massachusetts Right To Know Components Chloramphenicol CAS #: 56-75-7 Revision Date: 1989-12-01

Pennsylvania Right To Know Components Chloramphenicol CAS #: 56-75-7 Revision Date: 1989-12-01

New Jersey Right To Know Components Chloramphenicol CAS #: 56-75-7 Revision Date: 1989-12-01

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 6/11/2020

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