



## **CHEMSYNTH CORPORATION**

**(Exporter of chemical Raw materials)**

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### **Material Safety Data Sheet 5-Chloro-8-hydroxyquinoline**

#### **Section I. Chemical Product**

Company Identification Chemical Name Catalog Number 5-Chloro-8-hydroxyquinoline Cas No- 130-16-5.

#### **Section II. Composition**

Information on Ingredients Chemical Name CAS Number Percent (%) TLV/PEL Toxicology Data 5-Chloro-8-hydroxyquinoline 130-16-5 Min. 98.0 (T) Not available. Guinea Pig LDLO (oral) 1200mg/kg Irritating to eyes and skin on contact. Inhalation causes irritation of the lungs and respiratory system. Inflammation of the eye is characterized by redness, watering, and itching. Skin inflammation is characterized by itching, scaling, reddening, or, occasionally, blistering. Follow safe industrial hygiene practices and always wear proper protective equipment when handling this compound. CARCINOGENIC EFFECTS : Not available. MUTAGENIC EFFECTS : Not available. TERATOGENIC EFFECTS : Not available. DEVELOPMENTAL TOXICITY: Not available. There is no known effect from chronic exposure to this product. Repeated or prolonged exposure to this compound is not known to aggravate existing medical conditions.

#### **Section III. Hazards Identification**

Acute Health Effects Chronic Health Effects Check for and remove any contact lenses. IMMEDIATELY flush eyes with running water for at least 15 minutes. keeping eyelids open. COLD water may be used. DO NOT use an eye ointment. Flush eyes with running water for a minimum of 15 minutes, occasionally lifting the upper eyelids. Seek medical attention. Treat symptomatically and supportively. After contact with skin, wash immediately with plenty of water. Gently and thorough wash the contaminated skin with

running water and non-abrasive soap. Be particularly careful to clean folds, crevices, creases and groin. COLD water may be used. Cover the irritated skin with an emollient. Seek medical attention. Treat symptomatically and supportively. Wash any contaminated clothing before reusing. If the victim is not breathing, perform artificial respiration. Loosen tight clothing such as a collar, tie, belt or waistband. If breathing is difficult, oxygen can be administered. Seek medical attention. Treat symptomatically and supportively. INDUCE VOMITING by sticking finger in throat. Lower the head so that the vomit will not reenter the mouth and throat. Loosen tight clothing such as a collar, tie, belt, or waistband. If the victim is not breathing, administer artificial respiration. Examine the lips and mouth to ascertain whether the tissues are damaged, a possible indication that the toxic material was ingested; the absence of such signs, however, is not conclusive. Seek immediate medical attention and, if possible, show the chemical label. Treat symptomatically and supportively.

#### **Section IV. First Aid Measures**

Eye Contact Skin Contact Inhalation Ingestion May be combustible at high temperature. Not available. These products include toxic carbon oxides (CO,CO 2) , nitrogen oxides (NOx), halogenated compounds. WARNING: Highly toxic HCl gas is produced during combustion. Not available. Not available. SMALL FIRE: Use DRY chemicals, CO2, water spray or foam. LARGE FIRE: Use water spray, fog or foam. DO NOT use water jet. No specific information is available regarding the flammability of this compound in the presence of various materials. Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Not available. No additional information is available regarding the risks of explosion.

#### **Section V. Fire and Explosion**

Data Flammability Auto-Ignition Flash Points Flammable Limits Combustion Products Fire Hazards Explosion Hazards Fire Fighting Media and Instructions Continued on Next Page Emergency phone number (800) 424-9300 Printed 1/29/2005. C0645 5-Chloro-8-hydroxyquinoline Page 2 Irritating material. In case of a spill and/or a leak, always shut off any sources of ignition, ventilate the area, and exercise caution. Use a shovel to put the material into a convenient waste disposal container. Finish cleaning the spill by rinsing any contaminated surfaces with copious amounts of water. Consult federal, state, and/or local authorities for assistance on disposal.

#### **Section VI. Accidental Release Measures**

Spill Cleanup Instructions IRRITANT. Keep away from heat and sources of ignition. Mechanical exhaust required. When not in use, tightly seal the container and store in a dry, cool place. Avoid excessive heat and light. DO NOT breathe dust. Always store away from incompatible compounds such as oxidizing agents.

#### **Section VII. Handling and Storage**

Handling and Storage Information Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations

generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit. Splash goggles. Lab coat. Dust respirator. Boots. Gloves. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product. Not available.

### **Section VIII. Exposure Controls/Personal Protection**

Engineering Controls Personal Protection Exposure Limits Not available. Not available. 122 to 124°C (251.6 to 255.2°F) Not available. Not available. Not available. Sparingly soluble in cold dilute HCL. 179.61 Not available. Not available.

### **Section IX. Physical and Chemical Properties**

Physical state @ 20°C Odor Taste Molecular Weight Boiling Point Melting Point Specific Gravity Vapor Pressure Vapor Density Volatility Solubility Partition Coefficient Not available. Refractive Index Not available. Viscosity Not available. Off-white powder. Critical Temperature Not available. Reactive with strong oxidizing agents.

### **Section X. Stability and Reactivity**

Data Stability Conditions of Instability Incompatibilities Avoid excessive heat and light. This material is stable if stored under proper conditions. (See Section VII for instructions) Eye contact. Ingestion. Inhalation. Skin contact. Guinea Pig LDLO (oral) 1200mg/kg Irritating to eyes and skin on contact. Inhalation causes irritation of the lungs and respiratory system. Inflammation of the eye is characterized by redness, watering, and itching. Skin inflammation is characterized by itching, scaling, reddening, or, occasionally, blistering. Follow safe industrial hygiene practices and always wear proper protective equipment when handling this compound. CARCINOGENIC EFFECTS : Not available. MUTAGENIC EFFECTS : Not available. TERATOGENIC EFFECTS : Not available. DEVELOPMENTAL TOXICITY: Not available. There is no known effect from chronic exposure to this product. Repeated or prolonged exposure to this compound is not known to aggravate existing medical conditions.

### **Section XI. Toxicological Information**

Routes of Exposure Toxicity Data Chronic Toxic Effects Acute Toxic Effects RTECS Number VC4590000 Continued on Next Page Emergency phone number (800) 424-9300 Printed 1/29/2005. C0645 5-Chloro-8-hydroxyquinoline Page 3 Not available. Not available.

### **Section XII. Ecological Information**

Ecotoxicity Environmental Fate Recycle to process, if possible. Consult your local or regional authorities. You may be able to dissolve or mix material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber system. Observe all federal, state, and local regulations when disposing of the substance.

### **Section XIII. Disposal Considerations**

Waste Disposal DOT Classification Not a DOT controlled material (United States). Not applicable.

#### **Section XIV. Transport Information**

PIN Number Proper Shipping Name Packing Group (PG) Not applicable. Not applicable. DOT Pictograms Not available. 204-978-1

#### **Section XV. Other Regulatory Information**

and Pictograms WHMIS Classification (Canada) EEC Risk Statements TSCA Chemical Inventory (EPA) This compound is ON the EPA Toxic Substances Control Act (TSCA) inventory list. EINECS Number (EEC) R36/37/38- Irritating to eyes, respiratory system and skin. Japanese Regulatory Data Not available.

#### **Section XVI. Other Information**

laboratory chemicals are for research purposes only and are NOT intended for use as drugs, food additives, households, or pesticides. The information herein is believed to be correct, but does not claim to be all inclusive and should be used only as a guide. Neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All chemical reagents must be handled with the recognition that their chemical, physiological, toxicological, and hazardous properties have not been fully investigated or determined. All chemical reagents should be handled only by individuals who are familiar with their potential hazards and who have been fully trained in proper safety, laboratory, and chemical handling procedures. Although certain hazards are described herein, we can not guarantee that these are the only hazards which exist. Our MSDS sheets are based only on data available at the time of shipping and are subject to change without notice as new information is obtained. Avoid long storage periods since the product is subject to degradation with age and may become more dangerous or hazardous. It is the responsibility of the user to request updated MSDS sheets for products that are stored for extended periods. Disposal of unused product must be undertaken by qualified personnel who are knowledgeable in all applicable regulations and follow all pertinent safety precautions including the use of appropriate protective equipment (e.g. protective goggles, protective clothing, breathing equipment, facial mask, fume hood). For proper handling and disposal, always comply with federal, state, and local regulations.