SECTION 1. PRODUCT IDENTIFICATION

Product Name: HALQUINOL TECHNICAL
Chemical Formula: C₉H₅ClNOR
Synonym: 5,7-dichloroquinolin-8-ol
Company Identification: Lasa Supergenerics Limited
C-105, MIDC, Mahad (Dist. - Raigad).
Telephone No. - +91-22-49701092.

SECTION 2. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>CAS#</th>
<th>Chemical Name</th>
<th>Percent by Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>8067-69-4</td>
<td>Halquinol</td>
<td>Min. 95.0 %</td>
</tr>
</tbody>
</table>

SECTION 3. HAZARD IDENTIFICATION

Emergency Overview: Irritating to eyes, respiratory system and skin.
Potential Health Effects
Eye: Causes eye irritation. May cause chemical conjunctivitis.
Skin: Causes skin irritation.
Ingestion: May cause gastrointestinal irritation with nausea, vomiting and diarrhea. The toxicological properties of this substance have not been fully investigated.
Inhalation: Causes respiratory tract irritation. The toxicological properties of this substance have not been fully investigated. Can produce delayed pulmonary edema. Chronic: Effects may be delayed.
SECTION 4. FIRST AID

Eyes: Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.

Skin: Get medical aid. Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse.

Ingestion: Never give anything by mouth to an unconscious person. Get medical aid. Do NOT induce vomiting. If conscious and alert, rinse mouth and drink 2-4 cupful of milk or water. Wash mouth out with water.

Inhalation:
Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid. Do NOT use mouth-to-mouth resuscitation.

Notes to Physician:
Treat symptomatically and supportively.

SECTION 5. FIRE AND EXPLOSION

General Information:
As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion.

Extinguishing Media:
Use water spray, dry chemical, carbon dioxide, or chemical foam.
SECTION 6. ACCIDENTAL RELEASE MEASURES

General Information: Use proper personal protective equipment as indicated in Section 8.

Spills/Leaks:
Vacuum or sweep up material and place into a suitable disposal container. Clean up spills immediately, observing precautions in the Protective Equipment section. Avoid generating dusty conditions. Provide ventilation.

SECTION 7. HANDLING AND STORAGE

Handling:
Minimize dust generation and accumulation. Avoid contact with eyes, skin, and clothing. Keep container tightly closed. Use with adequate ventilation. Wash clothing before reuse. Avoid breathing dust.

Storage:
Store in a well closed container.

SECTION 8. PERSONAL PROTECTION/EXPOSURE CONTROLS

Engineering Controls:
Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate ventilation to keep airborne concentrations low.

Personal Protective Equipment Eyes:
Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA’s eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

Skin:
Wear appropriate protective gloves to prevent skin exposure.
Clothing:
Wear appropriate protective clothing to prevent skin exposure.

Respirators:
Wear a NIOSH/MSHA or European Standard EN 149 approved full-facepiece airline respirator in the positive pressure mode with emergency escape provisions.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Solid.
Color: Grayish.
Odor: Not available.
pH: Not available.
Vapor Pressure: Not available.
Viscosity: Not available.
Boiling Point: Not available.
Freezing/Melting Point: Not available.
Autoignition Temperature: Not available.
Flash Point: Not available.
Explosion Limits, lower: Not available.
Explosion Limits, upper: Not available.
Decomposition Temperature: Not available.
Molecular Formula: C\textsubscript{27}H\textsubscript{17}Cl\textsubscript{4}N\textsubscript{3}O\textsubscript{3}
Molecular Weight: 573.25

SECTION 10. REACTIVITY/STABILITY

Chemical Stability: Stable under normal temperatures and pressures.
Conditions to Avoid: Dust generation.
Incompatibilities with Other Materials: Acids, bases, reducing agents, strong oxidizing agents.

Hazardous Decomposition Products: Nitrogen oxides, carbon monoxide, oxides of sulfur, carbon dioxide.
Hazardous Polymerization: Has not been reported.
SECTION 11. TOXICOLOGICAL INFORMATION

RTECS#:
CAS#: LD50/LC50:
CAS#: Draize test, rabbit, eye: 100 mg/24H Moderate;
Oral, mouse: LD50 = 300 mg/kg; Oral, rabbit: LD50 = 3200 mg/kg;
Oral, rat: LD50 = 980 mg/kg.
Carcinogenicity:
Salicylamide -
Not listed by ACGIH, IARC, NIOSH, NTP, or OSHA.

SECTION 12. ECOLOGICAL INFORMATION

Not available

SECTION 13. DISPOSAL

Waste Disposal: Waste must be disposed of in accordance with federal, state and local environmental control regulations.

SECTION 14. TRANSPORTATION

IATA
Shipping Name: Not available.
Hazard Class: Not available.
UN Number: Not available.
Packing Group: Not available.

IMO
Shipping Name: Not available.
Hazard Class: Not available.
UN Number: Not available.
Packing Group: Not available.

RID/ADR
Shipping Name: Not available.
Hazard Class: Not available.
UN Number: Not available.
Packing group: Not available

SECTION 15. REGULATORY INFORMATION

European/International Regulations
European Labeling in Accordance with EC Directives
Hazard Symbols: XN
Risk Phrases:
R 22 Harmful if swallowed.
Safety Phrases:
WGK (Water Danger/Protection)
CAS# 8067-69-4 United Kingdom Occupational Exposure Limits
United Kingdom Maximum Exposure Limits
Canada
CAS# 8067-69-4 is listed on Canada's DSL List.
CAS# 8067-69-4 is not listed on Canada's Ingredient Disclosure List.
Exposure Limits
US FEDERAL
TSCA
CAS# 8067-69-4 is listed on the TSCA inventory.
SECTION 16 - ADDITIONAL INFORMATION

This document is intended only as a guide to the appropriate precautionary handling of material by a person trained in chemical handling. The user is responsible for determining the precautions & dangers of this chemical for his or her particular application depending on usage. Adequate protective clothing, including eye / face guards, approved respirators must be used to avoid contact with the material or breathing chemical vapors / fumes. Exposure to this product may cause adverse health effects.

This chemical may interact with other substances. Since the potential uses are so varied, M/s. Lasa Supergenerics Limited cannot warn of all of the potential dangers of use or interaction with chemicals of materials. M/s. Lasa Supergenerics Limited warrants that, the chemical meets the specifications set forth on the test report.

M/s. Lasa Supergenerics Limited, disclaims any other warranties expressed or implied with regard to the product supplied hereunder its merchantability or its fitness for a particular purpose. The user should recognize that, this product can cause severe injury, especially if improperly handled or the known dangers of use are not heeded.

READ ALL PRECAUTIONARY INFORMATIONS.

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Date: 14-Sep-2013