



**Aarti Industries Limited**  
**Unit-IV, MIDC, Tarapur**

**Health, Safety and Environment**

**Material Safety Data Sheet**

**Document No.:** HS/FP/MSDS-41/00

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**1. PRODUCT AND COMPANY IDENTIFICATION:**

PRODUCT NAME	<b><i>Loteprednol Etabonate</i></b>
SUPPLIER	Manufacturer
Name	Aarti Industries Ltd,
Address	Unit – IV, E – 50, MIDC, Tarapur, Tal.: Palghar, Dist: Thane, Pin: 401 506, INDIA
Telephone numbers	+91 2525 - 271150
Fax number	+91 2525 - 270765

**2. COMPOSITION / INFORMATION ON INGREDIENTS:**

Common chemical name	Loteprednol Etabonate
CAS NO.	82034-46-6

**3. HAZARDS IDENTIFICATION:**

**Eyes :**

*This is an ophthalmic preparation. May cause irritation and hypersensitivity in some individuals. Adverse reactions include localized ocular toxicity, lid itch and swelling and redness of the mucous membrane of the eye (conjunctival erythema). These reactions occur in less than 3% of patients. Signs of overdose of Tobramycin Ophthalmic Solution include inflammation of the cornea, erythema, increased tearing (lacrimation), swelling (edema) and lid itching.*

*Skin: May cause irritation and localized hypersensitivity in some individuals with itching, swelling and diffused redness of the skin. Repeated or prolonged contact can induce hypersensitivity in some individuals.*

*Ingestion: May cause irritation and hypersensitivity in some individuals. Large doses can induce vomiting, diarrhea, adrenal gland suppression, Cushing's syndrome, water retention, electrolyte imbalance and hyperglycemia.*

*Inhalation: May cause irritation to the respiratory tract and hypersensitivity in some individuals*

**4. FIRST AID MEASURES:**

**Eyes:**

May cause irritation. Flush immediately with copious amounts of water for at least 20 minutes. Contact a physician.

**Skin:**

May cause irritation. Remove all contaminated clothing and wash skin with copious quantities of water for at least 20 minutes. Contact physician if skin becomes irritated.

**Ingestion:**

May cause irritation. Flush out mouth with water. Give plenty of water and bland fluids. Do not give anything to an unconscious person. Contact physician.

**Inhalation:**

*May cause irritation of respiratory tract. Avoid inhalation. Remove person to fresh air, and if breathing stops, use artificial respiration. Contact physician.*



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**5. FIRE FIGHTING MEASURES: Extinguishing Media:**

Dry chemical, carbon dioxide, water spray or fog, and foam on surrounding materials.

**Fire Fighting Instructions:**

Wear self-contained breathing apparatus and protective clothing. Use water spray to keep fire-exposed containers cool. Do not spray water into the burning material.

**6. ACCIDENT RELEASE MEASURES:**

**Large/Small Spills:**

Use personal protective equipment. Contain the spill to prevent drainage into sewers, drains or streams. Use absorbent material to solidify the spill. Shovel or scoop up solidified waste. Dispose of material according to Federal, State and Local regulations

**7. HANDLING AND STORAGE:**

**Handling:**

Avoid contact with product and use caution to prevent puncturing containers. No special protective equipment or procedures are required in the clinical or home environment.

**Storage:**

*Store product upright in original containers with the cap tightly closed at a controlled room temperature 15°-25° C (59°- 77° F). PROTECT FROM FREEZING.*

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION:**

**Engineering Controls:**

In the manufacturing plant, provide adequate ventilation for the raw material handling and compounding process, which will maintain the dust and vapor, levels below the TLV, STEL, and PEL values for the ingredients. Ventilation fans should be explosion proof. Use adequate personal protective equipment e.g. NIOSH-approved respirators, goggles or safety glasses, gloves and protective clothing. Ensure training in the handling of chemical material and use current.

**Eye Protection:** Recommend goggles or chemical safety glasses.

**Skin Protection:** Thick impermeable gloves and protective clothing.

**Respiratory Protection:** Approved respirator, with organic vapor, acid gas and HEPA filter recommended for handling raw materials.

**Warning:** Do not use air-purifying respirators in oxygen-depleted environments. No respiratory protection is required in the clinical or home environment

**9. PHYSICAL AND CHEMICAL PROPERTIES:**

**Appearance** White powder

**Odour** None

**Melting Point** 220°C To 224°C

**Molecular Formula :** C<sub>24</sub>H<sub>31</sub>ClO<sub>7</sub>

**Molecular Weight :** 46605

**Solubility:** *No information available*



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**10. STABILITY AND REACTIVITY:**

**Chemical Stability:** Stable

**Conditions to avoid:** Extreme heat or cold. Avoid freezing.

**Incompatibility:** This product has the incompatibilities of water e.g. strong acids, bases, alkali metals, alkali hydrides and silver preparations.

**Hazardous Decomposition Products:** Emits toxic fumes.

**Hazardous Polymerization:** Should not occur

**11. TOXICOLOGICAL INFORMATION:**

May cause irritation to the eyes, skin and respiratory tract. Can cause hypersensitivity in some individuals. Adverse reactions to corticosteroids include suppression of adrenal gland secretion, Cushing's syndrome, water retention, electrolyte imbalance and hyperglycemia. Studies in animals indicate that topical adrenocorticoids, when used in large amounts, can be systemically absorbed and can cause fetal abnormalities. Immune suppression may result from chronic high doses.

**12. ECOLOGICAL INFORMATION:**

**Chemical Fate Information:** *Product administered to patients presents a negligible impact on the environment*

**13. DISPOSAL CONSIDERATIONS :**

*Dispose of material according to Federal, State, and Local regulations. The method typically used is incineration*

**14. TRANSPORT INFORMATION:**

*No information available*

**15. REGULATORY INFORMATION:**

**Safety Phrases:**

S36/37 Wear suitable protective clothing and gloves.

**Risk Phrases:**

*R20/21/22 Harmful by inhalation, in contact with skin and if swallowed.*

**16. OTHER INFORMATION:**

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall ScienceLab.com be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if ScienceLab.com has been advised of the possibility of such damages.