IN CASE OF EMERGENCY
Emergency Phone: (614) 276-4000

Boehringer Ingelheim
Roxane Laboratories

Material Safety Data Sheet

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Common/Trade Name: Lidocaine Viscous 2%
Chemical Name: 2-Diethylamino-2',6'-acetoxylidide monohydrochloride monohydrate
Synonyms: None
Molecular Formula: $C_{14}H_{22}N_2O \cdot HCl$
Molecular Weight: 270.84
CAS No: 73-78-9
Chemical Family: Anesthetic
Product Use: Local topical anesthetic

Manufacturer's Name: Boehringer Ingelheim Roxane Inc.
Address: 1809 Wilson Road
Columbus, Ohio 43228

2. COMPOSITION / INFORMATION ON INGREDIENTS

Composition	CAS#	Exposure Limit
Lidocaine Hydrochloride (active ingredient)	73-78-9	None established

REFER to PHYSICIAN'S DESK REFERENCE for common components present as <1%

3. HAZARDS IDENTIFICATION

Emergency Overview	Physical State: Liquid solution administered topically. Colorless, cherry-spearmint flavored liquid with 2% concentration of active ingredient. Odor: No data available WARNING! May be harmful if inhaled or swallowed. Accidental ingestion of large amounts may be fatal.
Primary Route(s) of Entry	Ingestion
Potential Health Effects:	Inhalation: May be harmful if inhaled. Inhalation may cause numbness to the mucous membranes/nasal cavities, nervousness, confusion, and restlessness. Eye Contact: Not expected to be a hazard to the eye. Contact with eye may cause irritation, burning and redness. Skin Contact: Not expected to be a hazard to the eye. Can cause hypersensitive reactions resulting in rash, redness, itching and inflammation. Ingestion: May be harmful if ingested. Ingestion may cause numbness, nausea, nervousness and increased blood pressure.
Toxicity Data:	See Section 11
Effects of Overexposure:	The potential for exposure is reduced in finished pharmaceutical form. Overexposure to this product may cause changes in blood pressure, irregular heartbeat, convulsions and decreased response. Severe overdoses can cause weakened cardiac/respiratory function, loss of consciousness and even death.
Target Organs:	Central Nervous System, Mucous Membranes, Gastrointestinal tract

4. FIRST AID MEASURES

Eye Exposure	**Any material that contacts the eye should be washed out immediately with water. If easy to do, remove contact lenses if worn. Get medical attention if symptoms persist.**
Skin Exposure	**Wash with soap and water. Get medical attention if symptoms occur.**
Ingestion	**Call a physician or poison control center immediately.**
Inhalation	**Move to fresh air and treat symptomatically. If breathing is difficult, move to fresh air. Get medical attention immediately.**

5. FIRE AND EXPLOSION HAZARDS

Flammability	**Lower: N/A Upper: N/A**
Flash Point	**Not available**
Extinguishing Media	**Use water spray, carbon dioxide, dry chemical, foam or material appropriate for fire in surrounding area.**
Special Fire Fighting Procedures	**Wear full protective clothing and self-contained breathing apparatus.**
Unusual Fire/Explosion Hazards	**Not Applicable**
Hazardous Combustion Products	**Carbon dioxide, carbon monoxide, oxides of nitrogen, hydrogen chloride**

6. ACCIDENTAL RELEASE INFORMATION

STEPS TO BE TAKEN IF SIGNIFICANT QUANTITIES OF LIQUID IS SPILLED:
Use appropriate personal protective equipment (see Section 8). Wipe up and containerize spill material in a compatible container. Dispose according to applicable regulations. Incineration of the waste at an approved facility is recommended.

7. PRECAUTIONS FOR SAFE HANDLING AND USE

Precautions Handling Significant Quantities of Liquid:	**Avoid breathing mist or vapors. Avoid contact with eyes, skin and clothing. Do not taste or swallow. Use only with adequate ventilation. Wash thoroughly after handling.**
Storage	**Store at 15° to 30°C (59° to 86°F). Keep container closed tightly. Protect from light and moisture. Store away from foodstuffs.**

8. CONTROL MEASURES AND PERSONAL PROTECTIVE EQUIPMENT

Exposure Limits	**None**
Engineering Controls	**Not required when handling containers. If containers are compromised or exposure is likely: Good ventilation should be used. Ventilation should be matched to conditions.**
Respiratory Protection	**Not required when handling containers. If containers are compromised or exposure is likely wear: NIOSH/MSHA approved respirators for protection should be used if respirators are found to be necessary. Ventilation should be matched to conditions.**
Personal Protection	**If containers are compromised or exposure is likely wear: Goggles, Lab Coat, Gloves**
Recommended Facilities	**Eye wash, washing facilities**

9. PHYSICAL / CHEMICAL CHARACTERISTICS

Appearance	**Colorless liquid solution**	**Melting point**	**Not available**	**Solubility in water**	**Soluble**
Odor	**Not available**	**Boiling point**	**Not available**	**Specific Gravity**	**Not available**
Taste	**Cherry-spearmint**	**Vapor Pressure**	**Not available**	**Flashpoint**	**Not available**
pH	**Not available**	**Density**	**Not available**	**Flammability Limits**	**Not available**

10. STABILITY AND REACTIVITY DATA

Stability	**Stable**
Incompatibility	**None known**
Hazardous Decomposition	**Oxides of carbon, oxides of nitrogen, hydrogen chloride**
Conditions to Avoid	**Excessive heat and light**
Hazardous Polymerization	**Will not occur.**

11. TOXICOLOGICAL INFORMATION

Acute Toxicity:

Active Ingredient:
LD50 Oral (mouse): 220 mg/kg

Carcinogenicity: Not listed as a carcinogen by NTP, IARC Monographs or OSHA.

12. ENVIRONMENTAL IMPACT INFORMATION

No information is currently available on the environmental impact of this product.

13. DISPOSAL INFORMATION

Waste Disposal Considerations: Dispose of material according to federal, state and local disposal regulations or company operating procedures. Disposal by incineration is recommended.
At home: Discard away from children's reach.

14. TRANSPORTATION INFORMATION

This product is not subject to the regulations for the safe transport of hazardous chemicals.
DOT: Not regulated
TDG: Not regulated
IATA: Not regulated
IMDG: Not regulated

15. REGULATORY INFORMATION

DEA: Lidocaine Hydrochloride is a not a controlled substance.

FDA: Lidocaine Hydrochloride is an approved prescription medication.

Inventory Status:
This material is not listed on the US TSCA Inventory. Therefore, it can only be used for TSCA exempt purposes such as R&D or drug use.
This material is not listed on the DSL Inventory but is exempt.

16. OTHER DATA

ABBEVIATIONS:
N/A – not applicable

Prepared by: Boehringer Ingelheim Roxane Inc.

References:

1. **Lidocaine Viscous 2%, Package Insert, Boehringer Ingelheim Roxane Inc., Columbus, Ohio**
2. **RTECS No. AN7600000 - 2',6'-Acetoxylidide, 2-(diethylamino)-, hydrochloride**
3. **Ariel Webinsight. Regulatory and ChemExpert Database.**
4. **PDR – Physicians Desk Reference**

Date: 09/13/2008 - New MSDS

SEE CURRENT PACKAGE INSERT FOR FURTHER INFORMATION