



MATERIAL SAFETY DATA SHEET

NU UNSEALED TLC MIXTURES - CHIRAL NEMATIC

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MSDS038 Revision 1
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1. PRODUCT AND COMPANY IDENTIFICATION

Product name NU UNSEALED TLC MIXTURES - CHIRAL NEMATIC
Description A mixture of neat liquid crystalline materials.
Company LCR Hallcrest
1820 Pickwick Lane
Glenview
IL 60026
Telephone +1 847 998 8580
Fax +1 847 998 6866
Emergency telephone number +1 847 998 8580
Intended use Manufacture of temperature indicating devices.

2 HAZARDS IDENTIFICATION.

Statement of Hazard Color Colorless
Properties Odor Odorless
State Gel
Main hazards Irritating to eyes and skin.

3 . COMPOSITION / INFORMATION ON INGREDIENTS.

Hazardous ingredients

	Conc.	CAS
CHIRAL NEMATIC LIQUID CRYSTAL	90 - 100%	

4. FIRST AID MEASURES

Skin contact Irritating to skin. Wash off immediately with plenty of soap and water. Remove contaminated clothing. Seek medical attention if irritation or symptoms persist.
Eye contact Irritating to eyes. Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Seek medical attention if irritation or symptoms persist.
Inhalation Irritating to respiratory system. Inhalation may cause coughing, tightness of the chest and irritation of the respiratory system. Move the exposed person to fresh air. Seek medical attention.
Ingestion Ingestion may cause nausea and vomiting. Seek medical attention if irritation or symptoms persist. DO NOT INDUCE VOMITING.

5. FIRE FIGHTING MEASURES

- Extinguishing media** Carbon oxides.
- Fire hazards** Burning produces irritating, toxic and obnoxious fumes.
- Protective equipment** Wear suitable respiratory equipment when necessary.

6. ACCIDENTAL RELEASE MEASURES

- Personal precautions** Ensure adequate ventilation of the working area. Wear suitable protective equipment.
- Environmental precautions** Do not allow product to enter drains. Prevent further spillage if safe.
- Clean up methods** Absorb with inert, absorbent material. Sweep up. Transfer to suitable, labeled containers for disposal. Clean spillage area thoroughly with plenty of water.

7. HANDLING AND STORAGE

- Handling** Avoid contact with eyes and skin. Ensure adequate ventilation of the working area. Adopt best Manual Handling considerations when handling, carrying and dispensing.
- Storage** Keep in a cool, dry, well ventilated area. Keep containers tightly closed. Store in correctly labelled containers.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

- Engineering measures** Ensure adequate ventilation of the working area.
- Respiratory protection** Wear: Suitable respiratory equipment.
- Hand protection** Chemical resistant gloves (PVC)
- Eye protection** Approved safety goggles.
- Protective equipment** Wear chemical protective clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

- Description** Gel.
- Color** Colorless.
- Odor** Odorless.
- Flammability limits** N/A

10. STABILITY AND REACTIVITY

- Stability** Stable under normal conditions.

11. TOXICOLOGICAL INFORMATION

12. ECOLOGICAL INFORMATION

13. DISPOSAL CONSIDERATIONS

- General information** Dispose of in compliance with all local and national regulations.

14. TRANSPORT INFORMATION

- Further information** The product is not classified as dangerous for carriage.

15. REGULATORY INFORMATION

16. OTHER INFORMATION

Statement of Hazard

Further Information

The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process.

TSCA

All components are TSCA compliant.

HMIS LABELLING

HEALTH 1, FLAMMABILITY 0, PHYSICAL HAZARD 0 PERSONAL PROTECTION : C.