

# Material Safety Data Sheet

May be used to comply with  
OSHA's Hazard Communication Standard,  
29 CFR 1910.1200. Standard must be  
consulted for specific requirements.

## U.S. Department of Labor

Occupational Safety and Health Administration  
(Non-Mandatory Form)

Form Approved

OMB No. 1218-0072



IDENTITY (As Used on Label and List)  
NEGATIVE RESIST NR8-1000

Note: Blank spaces are not permitted. If any item is not applicable, or no  
information is available, the space must be marked to indicate that.

### Section I

|   |  |
|---|--|
| Manufacturer's Name<br>Futurrex, Inc.                                       | Emergency Telephone Number<br>201-579-1324       |
| Address (Number, Street, City, State, and ZIP Code)<br>44-50 Clinton Street | Telephone Number for Information<br>201-579-1324 |
| Newton, NJ 07860  | Date Prepared<br>8-30-1993                       |
|   | Signature of Preparer (optional)<br>J. Barnes    |

### Section II — Hazardous Ingredients/Identity Information

| Hazardous Components (Specific Chemical Identity; Common Name(s)) | OSHA PEL | ACGIH TLV | Other Limits Recommended | % (optional) |
|---|----------|-----------|--------------------------|--------------|
| Cyclohexanone   | 25 ppm   | 25 ppm    | 108-94-1                 |              |
| Resins  | N.A.     | N.A.      | *                        |              |
| Sensitizers   | N.A.     | N.A.      | *                        |              |

\* All components of the product are registered in the Chemical  
Substance Inventory according with the Toxic Substances Control Act.

### Section III — Physical/Chemical Characteristics

|                                   |     |   |     |
|-----------------------------------|-----|---|-----|
| Boiling Point<br>(°C)             | 155 | Specific Gravity (H <sub>2</sub> O = 1) | 1   |
| Vapor Pressure (mm Hg.)<br>(20°C) | 2   | Melting Point<br>(°C)                   | -47 |
| Vapor Density (AIR = 1)           | 3.4 | Evaporation Rate<br>(Butyl Acetate = 1) | 0.3 |

Solubility in Water  
Negligible

Appearance and Odor  
Yellow liquid. Characteristic odor.

### Section IV — Fire and Explosion Hazard Data

|   |                                       |         |          |
|---|---------------------------------------|---------|----------|
| Flash Point (Method Used)<br>44°C (TCC) | Flammable Limits<br>(% volume in air) | LEL 1.1 | UEL 12.8 |
|---|---------------------------------------|---------|----------|

Extinguishing Media  
Extinguish with dry chemical, CO<sub>2</sub> or a universal type foam.

Special Fire Fighting Procedures  
The use of a SCBA is recommended for fire fighters. Water spray may be used  
in minimizing vapors and cooling containers exposed to heat and flame.

Unusual Fire and Explosion Hazards  
This material is combustible and may be ignited by heat or flame.

This material will burn but will not ignite readily.

|           |           |  |   |  |
|-----------|-----------|--|---|--|
| Stability | Stability |  | X | Avoid heat, sparks, open flame and contact with strong oxidizing agents. |
|           | Stable    |  |   |  |

Incompatibility (Materials to Avoid)  
Strong oxidizing agents.

Hazardous Decomposition or Byproducts

|                          |                |   |                                    |
|--------------------------|----------------|---|------------------------------------|
| Hazardous Polymerization | May Occur      |   | Conditions to Avoid<br>Avoid heat. |
|                          | Will Not Occur | X |                                    |

#### Section VI — Health Hazard Data

|                    |             |       |            |
|--------------------|-------------|-------|------------|
| Route(s) of Entry: | Inhalation? | Skin? | Ingestion? |
|                    | Yes         | Yes   | Yes        |

Inhalation: may be slightly irritating. Skin contact: may cause defatting and drying of the skin. Ingestion: liquid ingestion may result in vomiting.

|                  |      |                  |                 |
|------------------|------|------------------|-----------------|
| Carcinogenicity: | NTP? | IARC Monographs? | OSHA Regulated? |
|                  | No   | No               | No              |

#### Signs and Symptoms of Exposure

Inhalation: may cause dizziness, nausea and confusion.

Eyes and skin: may cause irritation.

Medical Conditions  
Generally Aggravated by Exposure

Not investigated.

Emergency and First Aid Procedures

Inhalation: remove victim to fresh air. Skin contact: wash with soap and water.

Ingestion: Do not induce vomiting. Get medical attention.

#### Section VII — Precautions for Safe Handling and Use

Steps to Be Taken in Case Material Is Released or Spilled

Take up spill with absorbent material and place in non-leaking containers; seal tightly for proper disposal.

#### Waste Disposal Method

Place in a disposal facility approved under RCRA regulations for hazardous waste.

#### Precautions to Be Taken in Handling and Storing

Keep away from heat, sparks and open flames. Keep containers tightly closed.

Store away from strong oxidizing agents in a cool and dry place.

Other Precautions

None.

#### Section VIII — Control Measures

Use NIOSH-approved respirator if exposure exceeds exposure limits.

|             |                      |   |  |
|-------------|----------------------|---|--|
| Ventilation | Local Exhaust        | Face velocity 60 fpm in confined space. | Special Use with exhaust equipment with discharge to outdoors. |
|             | Mechanical (General) | Explosion-proof ventilation equipment.  | Other No smoking or open lights.                               |

Chemically resistant gloves. Chemical splash goggles or face shield.

Other Protective Clothing or Equipment

Usually not needed.

Work/Hygienic Practices

Follow regulations appropriate for flammable chemicals.