1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: NUOSEPT® 95 PRESERVATIVE
Synonyms: Bicyclic oxazolidines solution

Supplier/Manufacturer:
ISP/Creanova Inc.
1361 Alps Road
Wayne, New Jersey 07470
Product Regulatory Services, Daytime Phone: (973) 541-8060

2. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredients

<table>
<thead>
<tr>
<th>Chemical</th>
<th>CAS Number</th>
<th>% (Wt./Wt.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Formaldehyde</td>
<td>000050-00-0</td>
<td>5</td>
</tr>
<tr>
<td>Bicyclic oxazolidines</td>
<td>056709-13-8</td>
<td>50</td>
</tr>
</tbody>
</table>

See Section 8 for Exposure Guidelines

Other Composition Information:
Formaldehyde is present as an equilibrium component of the bicyclic oxazolidines at < 5.0%.

3. HAZARDS IDENTIFICATION

*** EMERGENCY OVERVIEW ***:
Harmful if swallowed. Causes eye burns. Combustible liquid and vapor.
May cause skin irritation. Concentrated vapor may irritate respiratory tract.

POTENTIAL HEALTH EFFECTS

Eye Contact:
Corrosive. May cause burns resulting in permanent damage.

Skin Contact:
Moderately irritating.

Inhalation:
Concentrated vapor may cause nasal and respiratory tract irritation.
3. HAZARDS IDENTIFICATION (CONTINUED)

Ingestion:
Although the current EPA accepted labeling indicates that this product
is harmful if swallowed, actual oral LD50 results revealed that this
product has a low order of oral toxicity.

General:
This product may release detectable amounts of formaldehyde gas.
Formaldehyde is an OSHA regulated carcinogen. There is sufficient
evidence for the carcinogenicity of formaldehyde (gas) in experimental
animals (NTP) and limited evidence for the carcinogenicity of
formaldehyde in humans (IARC).

4. FIRST AID MEASURES

FIRST AID

Eye Contact:
In case of contact, immediately flush eyes with plenty of water for at
least 15 minutes or until all material has been removed. Obtain medical
attention without delay, preferably from an ophthalmologist.

Skin Contact:
Immediately wash skin with soap and plenty of water. Remove
contaminated clothing. Obtain medical attention immediately if symptoms
occur. Wash clothing before reuse.

Inhalation:
If inhaled, remove to fresh air. If breathing is difficult, give
oxygen. If unconscious, evaluate the need for artificial respiration.
Get immediate medical attention.

Ingestion:
If swallowed, get medical attention immediately. Only induce vomiting
if directed by a physician. Never give anything by mouth to an
unconscious person.

Notes To Physician:
Probable mucosal damage may contraindicate the use of gastric lavage.
Measures against circulatory shock, respiratory depression and
convulsion may be needed.

5. FIRE FIGHTING MEASURES

Flash Point:  140 øF
Flash Point Method:  Setaflash Closed Cup
Lower Explosive Limit:  Not determined
Upper Explosive Limit:  Not Determined

OSHA Flammability Classification:  Combustible liquid
Autoignition Temperature:  Not Determined

MSDS Continued on Page 3
5. FIRE FIGHTING MEASURES (CONTINUED)

Other Flammable Properties:
Can burn in fire forming carbon dioxide and some carbon monoxide. Combustible liquid. Vapors can travel to a source of ignition and flash back. Explosive mixtures may occur at temperatures at or above the flashpoint. By definition of the flash point test there was a faint flash at the reported flash point, however the material cannot support combustion.

Extinguishing Media:
Use water spray or fog, alcohol foam, dry chemical or CO2.

Fire Fighting Procedures:
As in any fire, wear self-contained positive-pressure breathing apparatus, (MSHA/NIOSH approved or equivalent) and full protective gear. Containers can build up pressure if exposed to heat (fire). Cool with water spray.

6. ACCIDENTAL RELEASE MEASURES

Steps To Be Taken In Case Material Is Released Or Spilled:
Absorb spill with inert material, then place in a chemical waste container. After removal, flush contaminated area with water and collect for disposal. Clean up spills immediately. Remove sources of ignition and ventilate area. Use a respirator and other protective equipment as outlined in Section 8. Obey relevant local, state, provincial and federal laws and regulations. Do not contaminate any lakes, streams, ponds, groundwater or soil.

7. HANDLING AND STORAGE

Handling:
Keep away from heat. Keep away from sparks, flames and other sources of ignition. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. Use with adequate ventilation. Ground and bond containers when transferring material. Use explosion-proof equipment. Follow all MSDS/label precautions even after the container is emptied because it may retain product residues. Wash thoroughly after handling. See product technical data bulletin for detailed use directions.

Storage:
Store in a cool, dry place. Keep container closed when not in use. Product should be stored in an area that is not subject to extreme temperatures. Do not contaminate water, food or feed by storage or disposal.
8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits

<table>
<thead>
<tr>
<th>Substance</th>
<th>Value</th>
<th>Limit</th>
<th>Reference</th>
</tr>
</thead>
<tbody>
<tr>
<td>Formaldehyde</td>
<td>0.3 ppm</td>
<td>Ceiling</td>
<td>ACGIH</td>
</tr>
<tr>
<td></td>
<td>0.75 ppm</td>
<td>TWA</td>
<td>OSHA</td>
</tr>
<tr>
<td></td>
<td>N.E.</td>
<td>TWA</td>
<td>ACGIH</td>
</tr>
<tr>
<td></td>
<td>2.0 ppm</td>
<td>STEL</td>
<td>OSHA</td>
</tr>
<tr>
<td></td>
<td>N.E.</td>
<td>STEL</td>
<td>ACGIH</td>
</tr>
<tr>
<td></td>
<td>0.3 ppm</td>
<td>CEV</td>
<td>ONTARIO</td>
</tr>
<tr>
<td>Bicyclic oxazolidines</td>
<td>N.E.</td>
<td>TWA</td>
<td>OSHA/ACGIH</td>
</tr>
<tr>
<td></td>
<td>N.E.</td>
<td>STEL</td>
<td>OSHA/ACGIH</td>
</tr>
</tbody>
</table>

Other Exposure Limit Information:
OSHA action level for formaldehyde is 0.5 ppm.

Engineering Controls:
Use process enclosures, local exhaust ventilation or other engineering controls to control airborne exposure.

Respiratory Protection:
A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 or applicable federal/provincial requirements must be followed whenever workplace conditions warrant respirator use. NIOSH's "Respirator Decision Logic" may be useful in determining the suitability of various types of respirators.

Eye Protection:
Use chemical splash goggles and face shield (ANSI Z87.1 or approved equivalent).

Skin Protection:
Personal protective equipment that provides a barrier to prevent dermal exposure to this substance is required.

Other Protective Equipment:
A safety shower and eye wash fountain should be readily available. To identify additional Personal Protective Equipment (PPE) requirements, it is recommended that a hazard assessment in accordance with the OSHA PPE Standard (29CFR1910.132) be conducted before using this product.

9. PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vapor Pressure</td>
<td>~23mm @ 77°F (water)</td>
</tr>
<tr>
<td>Vapor Density (Air = 1)</td>
<td>Is lighter than air</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>1.14</td>
</tr>
<tr>
<td>Boiling Point</td>
<td>~212°F</td>
</tr>
<tr>
<td>Melting Point</td>
<td>-10°F</td>
</tr>
<tr>
<td>pH</td>
<td>6.0-7.5</td>
</tr>
<tr>
<td>Viscosity</td>
<td>(25°C,cSt) 3.5-4</td>
</tr>
<tr>
<td>% Volatile</td>
<td>50</td>
</tr>
</tbody>
</table>

MSDS Continued on Page 5
9. PHYSICAL AND CHEMICAL PROPERTIES (CONTINUED)

Evaporation Rate : Is slower than Butyl Acetate
Pounds Per Gallon : 9.45-9.64 lbs/gal

Other Properties:

10. STABILITY AND REACTIVITY

Stability:
  This product is stable under normal storage conditions.

Hazardous Polymerization:
  Will not occur under normal conditions.

Incompatibility With Other Materials:
  Oxidizing materials. Acids.

11. TOXICOLOGICAL INFORMATION

Product Toxicological Information:

Oral LD50 (rat): 2974 mg/kg
Inhalation LC50 (rat):
  1.8-4.0 mg/L (4H)
Dermal LD50 (rabbit):
  >2000 mg/kg

Supplementary Information:
  The LC50 inhalation data listed above was obtained for product registration purposes only. Because of the product's very low vapor pressure, the test was done using an artificially generated aerosol. Since human exposure to an aerosol is highly unlikely, this data was not used to determine DOT classification and was not used to determine Potential Health Effects in Section 3 of the MSDS.

12. ECOLOGICAL INFORMATION

See supplementary data below

Supplementary Information:
  Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment

MSDS Continued on Page 6
12. ECOLOGICAL INFORMATION (CONTINUED)

plant authority. For guidance contact your State Water Board or Regional Office of the EPA. This product is toxic to fish.

13. DISPOSAL CONSIDERATIONS

Disposal Method:
  Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture or rinsate is a violation of federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency or the Hazardous Waste representative at the nearest EPA Regional Office for guidance. CONTAINER DISPOSAL: Triple rinse (or equivalent). Then offer for recycling or reconditioning or puncture and dispose of in a sanitary landfill or by other procedures approved by state, provincial and local authorities.

14. TRANSPORT INFORMATION

U.S. DOT Transport Information

Proper Shipping Name:  Flammable Liquids, n.o.s.

Technical Name:  (Bicyclic oxazolidines)

Hazard Class:  3  Packing Group:  III  
RQ (lbs.):  None

I.D. Number:  UN1993  ERG No.:  128  Hazard Subclasses:  None

Transport Label(s) Required:  FLAMMABLE LIQUID

In the U.S., this material may be reclassified as a Combustible liquid and is not regulated in containers less than 119 gallons or 450 liters. via surface transportation.

15. REGULATORY INFORMATION

This product contains the following non-hazardous components:

<table>
<thead>
<tr>
<th>NJTSR No. 56705700001-5508P</th>
<th>CAS Number</th>
<th>Wt. %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Trade Secret</td>
<td>50</td>
<td></td>
</tr>
</tbody>
</table>

U.S. Federal Regulations

OSHA:
This document has been prepared in accordance with the MSDS requirements.

MSDS Continued on Page 7
15. REGULATORY INFORMATION (CONTINUED)

of the OSHA Hazard Communication Standard.

Clean Air Act Section 112:
This product contains the following components present at or above the OSHA de minimus level and listed as Hazardous Air Pollutants:

<table>
<thead>
<tr>
<th>CAS Number</th>
<th>Wt. %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Formaldehyde</td>
<td>000050-00-0</td>
</tr>
</tbody>
</table>

This product contains the following components present at or above the OSHA de minimus level and listed as Extremely Hazardous Air Pollutants:

None

SARA Section 302:
This product contains the following components listed as Extremely Hazardous Substances:

<table>
<thead>
<tr>
<th>CAS Number</th>
<th>Wt. %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Formaldehyde</td>
<td>000050-00-0</td>
</tr>
</tbody>
</table>

SARA Section 311/312:
Hazard Classifications: Immediate (acute), Delayed (chronic), Fire

SARA Section 313:
This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372:

<table>
<thead>
<tr>
<th>CAS Number</th>
<th>Wt. %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Formaldehyde</td>
<td>000050-00-0</td>
</tr>
</tbody>
</table>

TSCA:
Not regulated under TSCA.

This product contains the following non-proprietary substances subject to export notification under Section 12(b) of TSCA:

None

FIFRA:
This product is a pesticide registered and regulated under FIFRA. EPA Registration Number 1100-82. It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

State Regulations

New Jersey:
This product contains the following non-hazardous components subject to
15. REGULATORY INFORMATION (CONTINUED)

disclosure under New Jersey Right-To-Know legislation:

<table>
<thead>
<tr>
<th>CAS Number</th>
<th>NJTSR No. 56705700001-5508P</th>
<th>Trade Secret</th>
</tr>
</thead>
</table>

Pennsylvania:
This product contains the following non-hazardous components subject to disclosure under Pennsylvania Right-To-Know legislation:

<table>
<thead>
<tr>
<th>CAS Number</th>
<th>NJTSR No. 56705700001-5508P</th>
<th>Trade Secret</th>
</tr>
</thead>
</table>

California (Proposition 65):
This product contains the following substances known to the State of California to cause cancer:

<table>
<thead>
<tr>
<th>CAS Number</th>
<th>Wt. %</th>
</tr>
</thead>
<tbody>
<tr>
<td>000050-00-0</td>
<td>5</td>
</tr>
</tbody>
</table>

Warning: Contains Formaldehyde

This product contains the following substances known to the State of California to cause adverse reproductive effects:

None

16. OTHER INFORMATION

HMIS Ratings: Health - 3*    Flammability - 2    Reactivity - 0
Ratings Key:     4 = Highest hazard, 0 = Lowest hazard,  * = Chronic health hazard, N = No rating for powders

NFPA Ratings: Health - 3    Flammability - 2    Reactivity - 0
Ratings Key: 4 = Highest hazard, 0 = Lowest hazard, N = No rating for powders

Key to abbreviations used:
NA       Not applicable
NAV      Not available
NE       Not established
NJTSR No. New Jersey Trade Secret Registry Number
R         TM

Revision Summary:
The following MSDS sections were revised since the previous version January 23, 1997:

3. HAZARDS IDENTIFICATION

MSDS Continued on Page 9
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