Material Safety Data Sheet

IDENTITY (As Used on Label and List)
Fountain pen inks 4001

Section I

Manufacturer's Name
Pelikan Produktions GmbH & Co.KG

Emergency Telephone Number
0511/69691

Address (Number, Street, City, State, and ZIP Code)
Postbox 103
D-3000 Hannover 1
Germany FR

Telephone Number for Information
0511/6969214

Date Prepared
Febr. 1990

Signature of Preparer (optional)

Section II — Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity: Common Name(s))
OSHA PEL
ACGIH TLV
Other Limits Recommended
% (volumetric)
N-methylol-chloracetamide
0 - 0.2
Chloromethyl-isothiazoliones
0 - 0.1
6-acetoxy-2,4-dimethyl-1,3-dioxane
0 - 0.2

Section III — Physical/Chemical Characteristics

Boiling Point
100°C
Specific Gravity (H2O = 1)
1.02
Vapor Pressure (mm Hg.)
unknown
Melting Point
-5°C
Vapor Density (AIR = 1)
unknown
Evaporation Rate
(Butyl Acetate = 1)
>1

Solubility in Water
soluble
Appearance and Odor
coloured liquids, characteristic odor

Section IV — Fire and Explosion Hazard Data

Flash Point (Method Used)
not appl.
Flammable Limits
not appl.
LEL
n.apppl.
UEL
n.apppl.

Extinguishing Media
not appl.

Special Fire Fighting Procedures
none

Unusual Fire and Explosion Hazards
none

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 V — Reactivity Data

Stability

<table>
<thead>
<tr>
<th>Unstable</th>
<th>Stable</th>
</tr>
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<tbody>
<tr>
<td></td>
<td>X</td>
</tr>
</tbody>
</table>

Incompatibility (Materials to Avoid) none

Hazardous Decomposition or Byproducts none

Hazardous Polymerization

<table>
<thead>
<tr>
<th>May Occur</th>
<th>Conditions to Avoid</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>X</td>
</tr>
</tbody>
</table>

Section VI — Health Hazard Data

Route(s) of Entry:

<table>
<thead>
<tr>
<th>Inhalation?</th>
<th>Skin?</th>
<th>Ingestion?</th>
</tr>
</thead>
<tbody>
<tr>
<td>no</td>
<td>no</td>
<td>yes</td>
</tr>
</tbody>
</table>

Health Hazards (Acute and Chronic) will not occur

Carcinogenicity:

<table>
<thead>
<tr>
<th>NTP?</th>
<th>IARC Monographs?</th>
<th>OSHA Regulated?</th>
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<tbody>
<tr>
<td>no</td>
<td>no</td>
<td>no</td>
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</table>

Signs and Symptoms of Exposure none

Medical Conditions

Generally Aggravated by Exposure unknown

Emergency and First Aid Procedures in case of ingestion: drink water

Section VII — Precautions for Safe Handling and Use

Steps to Be Taken in Case Material is Released or Spilled wash off with water

Waste Disposal Method dilute with water; add to waste water

Precautions to Be Taken in Handling and Storing no special precautions demanded

Other Precautions none

Section VIII — Control Measures

Respiratory Protection (Specify Type) none

Ventilation

<table>
<thead>
<tr>
<th>Local Exhaust</th>
<th>Special</th>
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</table>

<table>
<thead>
<tr>
<th>Mechanical (General)</th>
<th>Other</th>
</tr>
</thead>
<tbody>
<tr>
<td>none</td>
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</table>

Protective Gloves none

<table>
<thead>
<tr>
<th>Eye Protection</th>
</tr>
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<tbody>
<tr>
<td>none</td>
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Other Protective Clothing or Equipment none

Work/Hygienic Practices as usual