MATERIAL SAFETY DATA SHEET

SECTION I  PRODUCT IDENTIFICATION

COMMON NAME  175 Blue Fluid
PRODUCT FILE NUMBER  920:405-924BB-9
MANUFACTURER'S NAME  Meriam Instrument
ADDRESS  10920 Madison Ave.
CITY, STATE, ZIP  Cleveland, Ohio 44102

PRODUCT MODEL NUMBER  924BB
PRODUCT USE  Indicating Fluid
EMERGENCY PHONE NUMBERS  1-800-424-9300 (US), 1-703-527-3887 (International)
ENGINEERING CONTROL DATA  MSDS - A35800-1, Rev. J, EO 5224
Drawing – A35321
DATE PREPARED  3-1-02

SECTION II  HAZARDOUS INGREDIENTS

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS No.</th>
<th>OSHA/PEL</th>
<th>ACGIH/TVL</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Diazene-42</td>
<td></td>
<td>NA</td>
<td>NA</td>
<td>100</td>
</tr>
<tr>
<td>OSHPHBenzene</td>
<td>1585-07-5</td>
<td>NE</td>
<td>NE</td>
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<tr>
<td>Dibromoethylbenezes</td>
<td>30812-87-4</td>
<td>NA</td>
<td>NA</td>
<td>&lt;1</td>
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<tr>
<td>Tribromoethylbenezes</td>
<td>31195-17-2</td>
<td>NA</td>
<td>NA</td>
<td>&lt;1</td>
</tr>
<tr>
<td>Kerosene</td>
<td>8008-20-6</td>
<td>NE</td>
<td>NE</td>
<td>NE</td>
</tr>
<tr>
<td>Chlorotrifluoroethylene</td>
<td>9002-83-9</td>
<td>NE</td>
<td>NE</td>
<td>NE</td>
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</tbody>
</table>

4. Chemical Name:  Blue Dye
CAS No:  17354-14-2
OSHA/PEL:  NE
ACGIH/TVL:  NE
%:  Trace

10920 Madison Avenue  Cleveland, Ohio 44102  (216) 281-1100  FAX (216) 281-0228  www.meriam.com
SECTION III PHYSICAL & CHEMICAL DATA

**BOILING POINT**
400-500°F (250-300°C)

**SPECIFIC GRAVITY (H₂O=1)**
1.75 @ 13.2°C

**VAPOUR DENSITY (AIR=1)**
9.4

**SOLUBILITY IN WATER**
Negligible

**EVAPORATION RATE**
NE

**MELTING POINT**
NE

**APPEARANCE & ODOR**
Blue color, Moth ball odor

**VAPOUR PRESSURE (20°C)**
NA

**REACTIVITY IN WATER**
NA

**PH**
NA

SECTION IV FIRE & EXPLOSION DATA

**FLASH POINT**
>200°F

**METHOD USED**

**FLAMMABLE LIMITS (in Air % by Vol.)**

**LEL**
NA

**UEL**
NA

**AUTO-IGNITION TEMPERATURE**
NA

**EXTINGUISHER MEDIA**
Water, CO₂, Chemical Foam

**SPECIAL FIRE FIGHTING PROCEDURES**
Evacuate area of all unnecessary personnel. Use NIOSH/MSHA approved self-contained breathing apparatus and other protective equipment.

**UNUSUAL FIRE AND EXPLOSION HAZARDS**
Emits toxic fumes under fire conditions.

SECTION V REACTIVITY DATA

**STABILITY**
Stable

**CONDITION TO AVOID**
Avoid contact with finely divided reducing such as powdered aluminum

**INCOMPATIBILITY (Materials to Avoid)**
Same as above

**HAZARDOUS DECOMPOSITION PRODUCTS**
Carbon oxides, Hydrogen Bromide

**HAZARDOUS POLYMERIZATION**
Will not occur

**CONDITIONS TO AVOID**
NA

SECTION VI HEALTH HAZARDS

**ACUTE**

**EYES**
May cause mild irritation, redness, and tearing.

**SKIN CONTACT**
May cause slight irritation. May cause severe irritation with repeat or prolonged contact.

**INGESTION**
NA

**INHALATION**
May cause irritation of nasal and respiratory passages.

**CHRONIC EFFECTS OF EXPOSURE**
May cause Liver and Kidney damage. To the best of our knowledge all toxicological properties have not been thoroughly investigated.

**CHEMICAL LISTED AS CARCINOGEN OR POTENTIAL CARCINOGEN**

<table>
<thead>
<tr>
<th>National Toxicology Program</th>
<th>I.A.R.C. Monographs</th>
<th>OSHA</th>
</tr>
</thead>
<tbody>
<tr>
<td>NA</td>
<td>NA</td>
<td>NA</td>
</tr>
</tbody>
</table>

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**SECTION VII  EMERGENCY & FIRST AID PROCEDURE**

**EYES**
Immediately flush eyes with plenty of water for at least 15 minutes while holding eyelids open. Get medical attention.

**SKIN CONTACT**
Remove contaminated clothing and wash with soap and water. If irritation occurs, get medical attention.

**INHALATION**
Remove from exposure. Seek medical attention.

**INGESTION**
Induce vomiting. Seek medical attention immediately.

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**SECTION VIII  SPILL OR LEAK PROCEDURES**

**RESPONSE TO SMALL SPILLS**
Absorb with absorbent material. Dispose of properly.

**WASTE DISPOSAL**
Place in an appropriate disposal facility in compliance with Federal, State, and Local regulations.

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**SECTION IX  SPECIAL PROTECTION INFORMATION**

**RESPIRATORY PROTECTION**

**VENTILATION**
General (mechanical) room ventilation is generally satisfactory. Special, local ventilation may be needed at points where vapors can be expected to exceed exposure limits.

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**QUICK IDENTIFIER** - 175 Blue Fluid

**PROTECTIVE GLOVES**
For the best protection wear compatible chemical resistant gloves. Wear additional protective garments were necessary.

**EYE PROTECTION**

Wear chemical goggles if there is likelihood of contact with eyes.

**ADDITIONAL PROTECTIVE CLOTHING OR EQUIPMENT**

Boots, aprons, or chemical suits should be used when necessary to prevent skin contact. Eye wash fountains and safety showers should be available for emergency use.

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**SECTION X  SPECIAL PRECAUTIONS**

- THIS PRODUCT IS FOR INDUSTRIAL AND LABORATORY USE ONLY
- Do not store in open, unlabeled or mislabeled containers.
- Store in cool, dry place with adequate ventilation.
- Keep away from flames and high temperatures.
- For personal hygiene protection, we recommend that employees wash thoroughly after handling product. Always wash up before eating, smoking, and using toilet facilities.
- Keep out of reach of children.

-HMIS rating  HEALTH - 2  FLAMMABILITY - 1  REACTIVITY - 1

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**DISCLAIMER OF LIABILITY**

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