MATERIAL SAFETY DATA SHEET

NAME ECOPASS –1000 / ECOPASS –IR 900

1. INFORMATION ON INGREDIENTS

HAZARDOUS Nitric acid , Heavy metals (T.S.) Trivalent Chrome
INGREDIENTS Complex

2. PHYSICAL AND CHEMICAL PROPERTIES

1. PHYSICAL STATE liquid
2. COLOUR Purple
3. DENSITY 20 - 21° Be
4. SOLUBILITY IN WATER Infinite
5. ODOUR No specific odor
6. OTHER -
7. VAPOUR DENSITY Not determined
8. VAPOUR PRESSURE Not determined

3. HEALTH HAZARD IDENTIFICATION ACUTE TOXICITY

1 INHALATION Inhalation of chrome mists may cause irritation of nasal septum and respiratory tract. Prolonged exposure may cause ulceration and perforation of the septum.
2 INGESTION Can cause corrosive burns and severe damage to mouth, throat and stomach. Can be fatal.
3 SKIN Can cause irritation.
4 EYES Can cause severe burn to the eyes
5 CHRONIC EXPOSURE Respiratory illness
6 CARCINOGEN REFERENCE Not known to have carcinogenic effects.

4. EMERGENCY AND FIRST AID MEASURES

1 INHALATION Remove from contaminated area to fresh air. If breathing is difficult, seek medical attention.
2 INGESTION Give large quantities of water followed by milk of magnesia. Never give anything by mouth to an unconscious person. Seek medical attention.
3 EYES Wash with plenty of water and seek medical aid.
4 SKIN Wash with plenty of water. Seek medical attention.
### 5. FIRE FIGHTING MEASURES

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<tbody>
<tr>
<td>1</td>
<td>FLASH POINT</td>
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<tr>
<td>2</td>
<td>EXTINGUISING MEDIA</td>
<td>Water fog or dry chemical</td>
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<td>3</td>
<td>SPECIAL FIRE FIGHTING PROCEDURES</td>
<td>Use full protective clothing and self contained breathing apparatus. Keep containers cool to prevent rupture and release of material.</td>
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<td>4</td>
<td>UNUSUAL FIRE AND EXPLOSION HAZARD</td>
<td>None</td>
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### 6. ACCIDENTAL RELEASE MEASURES

Neutralise with soda ash take up neutralize material and treat for removal of chromium. Dispose of. In accordance with state and local regulation.

### 7. HANDLING AND STORAGE

**HANDLING**
Use only in well ventilated areas. Containers will contain hazardous residues Dispose off in accordance with state and local regulations.

**STORAGE**
Store in cool & dry place under closed condition to avoid any contaminations. Loosen cover cautiously when opening. keep container closed when not in use. Keep only in original containers. Keep away from alkalis and organic chemicals.

### 8. PERSONAL PROTECTIVE EQUIPMENT

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<tr>
<td>1</td>
<td>VENTILATION</td>
<td>Local exhaust recommended.</td>
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<td>2</td>
<td>RESPIRATOR</td>
<td>Use approved respirator.</td>
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<td>3</td>
<td>EYE PROTECTION</td>
<td>Chemical safety goggles or face shields</td>
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<td>4</td>
<td>GLOVES</td>
<td>Neoprene</td>
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<tr>
<td>5</td>
<td>OTHER PROTECTIVE CLOTHINGS</td>
<td>Chemical resistant clothing’s and boots</td>
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<td>6</td>
<td>GENERAL SAFETY AND HYGIENE MEASURES</td>
<td>Handle in accordance with good industrial hygiene and safety practice. Safety showers and eye wash stations should be provided in areas where this product is used. Wash with soap and water after use.</td>
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### 9. STABILITY AND REACTIVITY DATA

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<tr>
<td>1</td>
<td>STABILITY</td>
<td>Stable</td>
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2 CONDITIONS TO AVOID
Stable under normal conditions. Keep away from alkalis and oxidizers.

3 INCOMPATABILITY
Highly alkaline materials.

4 HAZARDOUS DECOMPOSITION
May generate oxides of fluorine.

5 HAZARDOUS POLYMERIZATION
Will not occur

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