

SUPPLIER MATERIAL SAFETY DATA SHEET (MSDS) N/D=Not Determined N/A=Not Applicable

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| Product: QUANTUM F.O.N. | Manufacturer: ESTEAM | Flammability: 0 |
| Chem. Name: N/A | Trade Name: Flood odor neutralizer | Reactivity: 0 |
| Chem. Family: Mixture | Use: Odor neutralizer | Health: 2 |
| | | Protection: |

NFPA LEAST=0, SLIGHT=1, MODERATE=2, HIGH=3, EXTREME=4

| HAZARDOUS INGREDIENTS | CAS # | % WT | HAZARD DATA | EXPOSURE LIMITS (TLV) |
|------------------------------------|-----------|------|---------------------------|-----------------------|
| Didecyl Dimethyl Ammonium Chloride | 7173-51-5 | 1-6 | LD50 450 mg/kg (oral-rat) | N/A |

| PHYSICAL DATA | | | | Freeze/Thaw |
|---|--------------------------------|----------------------------------|------------------------------|------------------------------------|
| Physical State: Liquid | Boiling Point (C): N/D | Solubility in Water: 100% | Evaporation Rate: N/D | Stable: Yes |
| Odor/ Appearance: Clear, sweet scent | Freezing Point (C): N/D | Ph (undiluted): 10.0 | Specific Gravity: N/D | Percent Volatile (vol): N/D |
| | | | | Vapor Pressure: N/D |

| FIRE & EXPLOSION HAZARD | | Conditions: |
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| Flammability: N | Hazardous Combustion Products: N/A | N/A |
| Means of Extinction: N/A | Upper Explosion Limit (% by vol): N/A | N/A |
| Special Procedures: N/A | Lower Explosion Limit (% by vol): N/A | N/A |
| Explosion Sensitivity to Impact: N/A | Auto-ignition: N/A | |
| Chemical Sensitivity to Static Discharge: N/A | Rate of Burning: N/A | |
| Flashpoint (C) & Method: None | Explosive Power: N/A | |
| TDG/WHMIS: Non hazardous / E, D2B | | |

| REACTIVITY DATA | Chemical Stability: |
|--|--|
| Hazardous Decomposition Product: None | Stable |
| | Incompatible Substances: None known |

| TOXICOLOGICAL PROPERTIES | | | | | | | | | | | | | | | | | | | | | | |
|--|---------------------------------------|---|--|---|--------------------------------------|---|-------------------------------------|---|------------------------------------|---|--|----------------------------------|---|-----------------------------|---|--------------------------|---|----------------------------|---|-------------|-----|--|
| <table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>Route of Entry - Skin Contact:</td><td>Y</td></tr> <tr><td>Route of Entry - Skin Absorption:</td><td>N</td></tr> <tr><td>Route of Entry - Eye Contact:</td><td>Y</td></tr> <tr><td>Route of Entry - Inhalation:</td><td>N</td></tr> <tr><td>Route of Entry - Ingestion:</td><td>Y</td></tr> </table> | Route of Entry - Skin Contact: | Y | Route of Entry - Skin Absorption: | N | Route of Entry - Eye Contact: | Y | Route of Entry - Inhalation: | N | Route of Entry - Ingestion: | Y | <table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>Reproductive Effects Y/N:</td><td>N</td></tr> <tr><td>Carcinogenicity Y/N:</td><td>N</td></tr> <tr><td>Mutagenicity Y/N:</td><td>N</td></tr> <tr><td>Teratogenicity Y/N:</td><td>N</td></tr> <tr><td>TLV:</td><td>N/D</td></tr> </table> | Reproductive Effects Y/N: | N | Carcinogenicity Y/N: | N | Mutagenicity Y/N: | N | Teratogenicity Y/N: | N | TLV: | N/D | <p>Effects of Overexposure:</p> <p>Acute Effects: Inhalation may be irritating. Irritation of mucous membranes of mouth and throat causing nausea, abdominal pain and diarrhea if ingested. Irritation of eyes and skin on contact.</p> <p>Chronic Effects: Repeated skin contact may lead to defatting dermatitis.</p> |
| Route of Entry - Skin Contact: | Y | | | | | | | | | | | | | | | | | | | | | |
| Route of Entry - Skin Absorption: | N | | | | | | | | | | | | | | | | | | | | | |
| Route of Entry - Eye Contact: | Y | | | | | | | | | | | | | | | | | | | | | |
| Route of Entry - Inhalation: | N | | | | | | | | | | | | | | | | | | | | | |
| Route of Entry - Ingestion: | Y | | | | | | | | | | | | | | | | | | | | | |
| Reproductive Effects Y/N: | N | | | | | | | | | | | | | | | | | | | | | |
| Carcinogenicity Y/N: | N | | | | | | | | | | | | | | | | | | | | | |
| Mutagenicity Y/N: | N | | | | | | | | | | | | | | | | | | | | | |
| Teratogenicity Y/N: | N | | | | | | | | | | | | | | | | | | | | | |
| TLV: | N/D | | | | | | | | | | | | | | | | | | | | | |

| PREVENTATIVE MEASURES | | | | | | |
|--|---|----------------------|----------------------|-------------------------------|---|-------------------|
| <table style="width: 100%;"> <tr> <td style="width: 33%;">Gloves: Recommended</td> <td style="width: 33%;">Footwear: N/A</td> <td style="width: 33%;">Clothing: N/A</td> </tr> <tr> <td>Eyes: Chemical goggles</td> <td>Respirator: NIOSH organic vapour</td> <td>Other: N/A</td> </tr> </table> | Gloves: Recommended | Footwear: N/A | Clothing: N/A | Eyes: Chemical goggles | Respirator: NIOSH organic vapour | Other: N/A |
| Gloves: Recommended | Footwear: N/A | Clothing: N/A | | | | |
| Eyes: Chemical goggles | Respirator: NIOSH organic vapour | Other: N/A | | | | |

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| Recommended Engineered Controls: Use with adequate ventilation. | Leak & Spill Procedures: Mop up excess. Flush with water to a sanitary sewer. | Waste Disposal Methods: According to federal, provincial and municipal regulations. | Special Handling Procedures: Keep container closed when not in use. Store in a cool, dry place away from children. |
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| FIRST AID MEASURES |
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| Inhalation: Move person to fresh air. If necessary give artificial respiration or oxygen. Call a doctor if in distress. |
| Ingestion: Immediately contact a physician or poison centre. |
| Eye Contact: Immediately flush eyes with running water for at least 15 minutes. Contact a physician if irritation persists. |
| Skin Contact: Immediately flush skin for at least 15 minutes. Launder clothing before reuse. Contact a physician if irritation persists. |

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| Prep./Revised Date: January 8, 2010 | Mailing Address: Esteam Manufacturing Ltd. 3750-19th Street NE Calgary, AB T2E 6V2 |
| Prepared By: R. Russell | |
| Source Material: Manufacturer's MSDS | |
| Emergency Response: 1-613-996-6666 (Transport Emergencies) | |



This information is complete to the best of our knowledge, however, users are encouraged to make their own investigations into the suitability of the information to their particular purposes. READ THE LABEL before using this or any product, and take any necessary precautions, dictated by the label or by common sense to ensure that your health is protected.