

MATERIAL SAFETY DATA SHEET

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|--|---|---|-----------------------------|--------------------------------------|-----------------------------|--------------------------------|
| REACTIVITY | STABLE | YES | CONDITIONS TO AVOID heat | | | PRODUCT NUMBER Orion 151711 |
| | UNSTABLE | | | | | |
| | INCOMPATIBILITY—MATERIALS TO AVOID Strong caustics, strong oxidizers (chromic acid, NaPeroxide, etc.), sulphuric acid | | | | | |
| | HAZARDOUS DECOMPOSITION PRODUCTS Toxic gases such as carbon monoxide may be released in a fire. | | | | | |
| HEALTH HAZARD DATA | CONDITIONS OF REACTIVITY Polymerization will not occur. | | | | | |
| | HAZARDOUS ROUTES OF ENTRY | INHALATION | INGESTION | EYE CONTACT | SKIN CONTACT | SKIN ABSORPTION |
| | | YES | YES | YES | YES | YES |
| | EFFECTS OF EXPOSURE (ACUTE) Watering of eyes, nasal discharge + coughing. Ingestion may be fatal. | | | | | |
| | Skin: severe irritation and blistering. | | | | | |
| | EFFECTS OF EXPOSURE (CHRONIC) In severe case of poison: shock, later breathing difficulties. Eye contact may cause severe | | | | | |
| | burns leading to blindness. | | | | | |
| | EXPOSURE LIMITS 9 mg/m ³ | | | | | |
| | SENSITIZATION TO PRODUCT No information available. | | | | | |
| | CARCINOGENICITY Not found on ACGIH or IARC lists. | | | | | |
| | OTHER TOXICOLOGICAL EFFECTS Mutation data: mno -esc 70 ppm/eH for formic acid | | | | | |
| | EMERGENCY AND FIRST AID PROCEDURES Contact physician for all significant forms of contact. | | | | | |
| | Eyes and skin: flush eyes with large amounts of water and lift eyelids often. Flush skin with large amounts of water. Inhalation: remove to fresh air. Give artificial respiration if necessary. | | | | | |
| | Ingestion: seek medical attention immediately. Give large amounts of water if conscious. | | | | | |
| Do not induce vomiting. | | | | | | |
| PREVENTIVE MEASURES | RESPIRATORY PROTECTION Use in well-ventilated area. | | | | | |
| | VENTILATION | LOCAL EXHAUST control to TLV levels | | | SPECIAL | |
| | | MECHANICAL (GENERAL) yes, if pouring | | | OTHER | |
| | HAND PROTECTION protective gloves, impervious | | | EYE PROTECTION protective goggles | | |
| | PROCEDURES TO BE FOLLOWED IN CASE OF LEAK OR SPILL Wear protective clothing; ventilate area; absorb small quantities on paper towel. | | | | | |
| | Remove sources of ignition. If local regulations permit, mop up with plenty of water and run to waste, diluting greatly with running water. | | | | | |
| | WASTE DISPOSAL METHOD Consult applicable laws for appropriate disposal practices. Evaporate small quantities picked up on paper towels under hood. Wash hands thoroughly after handling. Large quantities should be atomized in suitable combustion chamber. | | | | | |
| | HANDLING PROCEDURES AND EQUIPMENT Keep away from oxidizers. | | | | | |
| | STORAGE REQUIREMENTS Store away from heat. | | | | | |
| | SPECIAL SHIPPING INFORMATION | | | | | |
| PREPARATION | PREPARED BY Peter Bakker | | APPROVED BY Peter Bakker | | | |
| | TITLE Chemistry Manager | | TITLE Chemistry Manager | | TELEPHONE (519) 941-8161 | |
| | | | DATE November 5, 2009 | | | |
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