

MSDS MATERIAL SAFETY DATA SHEET

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HAZARD RATING 4 = Extreme 3 = High 2 = Moderate 1 = Slight 0 = Insignificant

Health Hazard: 1, Flammability: 0, Reactivity: 0, Personal Protection: 0

PRODUCT IDENTIFICATION

PRODUCT NAME: OR-EVAC CHEMICAL NAME: Complex mixture MOLECULAR FORMULA: mixture SYNONYMS: CHEMICAL FAMILY: Quaternary ammonium compounds and inorganic chemicals

HAZARDOUS INGREDIENTS

COMPONENTS: This product contains the following toxic chemical subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and of 40 CFR 372. Quaternary Ammonium Chloride: CAS Reg. #8001-54-5, Less than 10% LD50 ORL RAT, 400 mg/kg Sodium Carbonate: CAS Reg. #497-19-8, 2% - LD50 ORL-RAT, 4.1 g/kg

PHYSICAL PROPERTIES

BOILING POINT: 214°F MELTING POINT: NA SPECIFIC GRAVITY: 1.015/25°C VAPOR PRESSURE: 24 mmHg/25°C SOLUBILITY IN WATER: Miscible PH (AS-IS): 11.25 EVAPORATION RATE (BuGAc=1.0): 0.4

APPEARANCE AND ODOR: Clear yellow liquid with a lemon odor.

FIRE AND EXPLOSION DATA

FLASH POINT: Not combustible FLAMMABLE LIMIT: Lower 0, Upper 0 EXTINGUISHING MEDIA: Not combustible at ordinary conditions. SPECIAL FIRE FIGHTING PROCEDURE: None UNUSUAL FIRE AND EXPLOSION HAZARDS: No explosion hazards.

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HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE: Not established. See page-1 for components.
 EFFECT OF OVEREXPOSURE: Prolonged overexposure may cause coughing, shortness of breath, dizziness and intoxication. Eye/skin contacts may cause irritation. Ingestion of large quantities may be a slight health hazard. Inhalation of vapors or mists may irritate the respiratory passages.
 EMERGENCY AND FIRST AID PROCEDURE: Flood exposed skin or eyes with plenty of water and soap. If irritation persists get medical attention. For ingestion drink large quantities of milk, egg whites or gelatin. If those are not available, drink large quantities of water. Induce vomiting by inserting finger down the throat. Get medical attention.
 CHRONIC EFFECT(S) OF OVEREXPOSURE: No information available.

REACTIVITY DATA

STABILITY: Stable at ordinary conditions
 INCOMPATIBILITY/AVOID CONTACT WITH: Strong oxidizing agents.
 HAZARDOUS DECOMPOSITION PRODUCT: Carbon monoxide/dioxides
 HAZARDOUS POLYMERIZATION: Will not occur
 CONDITION TO AVOID: None

SPILL OR LEAK PROCEDURE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:
 If possible recover free liquid prior to disposal. Soak up small spills with suitable absorbents. Flush the exposed areas with large quantities of water into a sewer or suitable container.
 WASTE DISPOSAL METHOD: Small quantities may be run to sewer. Comply with applicable local, state and federal regulations.

SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (SPECIFY TYPE): No respiratory protection required at ordinary conditions.
 VENTILATION LOCAL EXHAUST: No special requirements.
 MECHANICAL (GENERAL): Acceptable
 SPECIAL: None
 OTHER: None
 PROTECTIVE GLOVES: Impervious
 EYE PROTECTION: Safety goggles
 OTHER PROTECTIVE EQUIPMENT: None required for small amount handling

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SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Concentrated Evacuation System Cleaner and Deodorizer. Suitable for any handling precautions and storage area for general chemicals.

OTHER PRECAUTIONS: Keep out of reach of children.

REQUIREMENTS FOR TRANSPORTATION

PROPER SHIPPING NAME: OR-EVAC
HAZARDOUS CLASSIFICATION: Not DOT regulated
IDENTIFICATION NUMBER: None
REPORTABLE QUANTITY: None
IMCO CLASS (INTERNATIONAL TRAVEL): Non-regulated
ADDITIONAL LABELING: None

MSDS Prepared By Chemtest Laboratories On September 10, 1991

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