

BACHARACH, INC. MSDS

MAGNESIUM PERCHLORATE

MSDS NO: 4240-2141

ACUTE HEALTH HAZARDS:

EYE CONTACT: May cause irritation, pain and blurred vision.

SKIN CONTACT: May cause irritation.

INHALATION: May cause irritation of the upper respiratory tract, cough and sore throat. Perchlorates may cause methemoglobin formation with nausea, vomiting, cyanosis, anoxia, hypotension, dizziness, cardiac/respiratory failure.

INGESTION: May cause gastrointestinal irritation, nausea, vomiting, abdominal pain and methemoglobinemia with effects similar to inhalation.

CHRONIC HEALTH EFFECTS: Prolonged overexposure may cause respiratory irritation, methemoglobinemia with symptoms as described in acute inhalation and aplastic anemia.

CARCINOGEN STATUS: This material is not listed as a carcinogen or suspect carcinogen by IARC, NTP or OSHA.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Individuals with impaired kidney function may be at increased risk from exposure.

SEE SECTION 11 - TOXICOLOGICAL INFORMATION FOR ADDITIONAL DATA
=====

SECTION 4: FIRST AID

EYE CONTACT: Flush thoroughly with copious amounts of running water for 15 minutes, lifting the lids occasionally. Get immediate medical attention.

SKIN CONTACT: Wash well with soap and water for 15 minutes. Remove contaminated clothing and launder before re-use. Get medical attention if irritation develops.

INHALATION: Remove victim to fresh air and give artificial respiration if needed. Get immediate medical attention.

INGESTION: Never give anything by mouth to an unconscious or convulsing person. Immediately give the victim 1-2 glasses of water to drink. Immediately call a poison control center or hospital emergency department and follow their instructions.
=====

SECTION 5: FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: N/A TEST METHOD: N/A
AUTOIGNITION TEMPERATURE: N/A

FLAMMABLE LIMITS: LEL: N/A UEL: N/A

EXTINGUISHING MEDIA: Dry chemical, carbon dioxide, halon.

SPECIAL FIRE FIGHTING PROCEDURES: Firefighters should wear NIOSH approved positive

N/D=Not Determined

2

N/A=Not Applicable

BACHARACH, INC. MSDS

MAGNESIUM PERCHLORATE

MSDS NO: 4240-2141

pressure self contained breathing apparatus and full protective clothing. Use water to keep exposed containers cool.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Strong oxidizer! Contact with other materials, especially flammables and combustibles may cause fire or explosion. Greatly accelerates the rate of burning in other materials. Dust/air mixtures may explode.

HAZARDOUS COMBUSTION PRODUCTS: Chloride compounds.
=====

SECTION 6: ACCIDENTAL RELEASE MEASURES

Wear suitable protective equipment. Keep combustibles and flammables away from spill area. With clean shovel carefully place material into a dry, clean container. Flush area with water.
=====

SECTION 7: HANDLING AND STORAGE

WORK PRACTICES: Avoid contact with the eyes, skin and clothing. Do not breathe dust. Wash thoroughly after handling. Do not eat, drink or smoke in the work area. Keep containers tightly closed when not in use.

SPECIAL PRECAUTIONS: Strong Oxidizer! Keep away from flammables and other oxidizable materials. Empty containers retain residues and may be hazardous-follow all precautions when handling.

STORAGE: Store in a well ventilated area, away from flammables and combustibles. Keep container tightly closed.
=====

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

VENTILATION: Use general or local exhaust ventilation as needed to minimize exposures.

RESPIRATORY PROTECTION: If concentration is elevated, use an approved dust respirator. At higher concentrations an approved supplied air or self-contained respirator may be required.

GLOVES: Impervious such as rubber or neoprene.

EYE PROTECTION: Chemical safety goggles recommended. Do not wear contact lenses.

OTHER PROTECTIVE EQUIPMENT: Protective apron or coveralls if contact is likely to keep personal clothing clean. Eye wash and safety shower.
=====

BACHARACH, INC. MSDS

MAGNESIUM PERCHLORATE

MSDS NO: 4240-2141

SECTION 12: ECOLOGICAL INFORMATION

The ecological effects of this product have not been evaluated.

SECTION 13: DISPOSAL

Dispose in accordance with all local, state and federal regulations.

RCRA HAZARDOUS WASTE CODES: None

SECTION 14: TRANSPORTATION DATA

US DOT SHIPPING NAME: MAGNESIUM PERCHLORATE, 5.1, UN 1475, PG III

DOT LABELS REQUIRED: OXIDIZER

EMERGENCY RESPONSE GUIDE NUMBER: 140

IATA SHIPPING NAME: MAGNESIUM PERCHLORATE, 5.1, UN 1475, PG III

IATA LABELS REQUIRED: OXIDIZER (CARGO AIRCRAFT 5-25 KG)

SECTION 15: OTHER REGULATORY INFORMATION

SARA 311/312: Hazard Categories for SARA Section 311/312 Reporting:

Acute health, chronic health, fire hazard.

SARA 313: This product contains the following chemicals subject to Annual Release

Reporting Requirements under SARA Section 313 (40 CFR 372):

None

CERCLA SECTION 103 REPORTABLE QUANTITY: N/A

CALIFORNIA PROPOSITION 65: This product contains the following substances known to the State of California to cause Cancer and/or Reproductive Harm: None

US TOXIC SUBSTANCES CONTROL ACT: All of the components of this product are listed on the EPA TSCA Inventory.

EUROPEAN INVENTORY OF COMMERCIAL CHEMICAL SUBSTANCES: All of the components of this product are listed on the EINECS Inventory.

JAPAN MITI: All of the components of this product are existing chemical substances as defined in the Chemical Substance Control Law.

CANADIAN ENVIRONMENTAL PROTECTION ACT: All of the components of this product are listed on the Canadian Domestic Substances List.

CANADIAN WHMIS CLASSIFICATION: Class C - Oxidizing Material; Class D - Division 2B (Toxic Material Causing Other Chronic Effects)

N/D=Not Determined

5

N/A=Not Applicable

BACHARACH, INC. MSDS

MAGNESIUM PERCHLORATE

MSDS NO: 4240-2141

EUROPEAN COMMUNITY LABELING CLASSIFICATION: Oxidizing

EUROPEAN COMMUNITY RISK AND SAFETY PHRASES: R8, S17
=====

SECTION 16: OTHER INFORMATION

NFPA HAZARD RATING: HEALTH: 2 FIRE: 1 REACTIVITY: 1

DATE OF LATEST MSDS REVISION: 03-12-97

REVISION SUMMARY: Revised First Aid, Section 4, Revised Transportation (ERG#),
Section 14.
=====

The preceding information is believed to be correct and current as of the date of preparation of this Material Safety Data Sheet. Since the use of this information and the conditions of use of the product are not within the control of Bacharach, Inc., it is the users obligation to assure safe use of this product.