

M.D.S. 164

LCD 707

MATERIAL SAFETY DATA SHEET

This MSDS complies with OSHA'S Hazard Communication Standard 29 CFR 1910.1200 and OSHA Form 174

IDENTITY AND MANUFACTURER'S INFORMATION

Manufacturer's Name: METERPAK INC. Address: 1270 Fewster Drive, Unit 1, Mississauga Ontario, Canada L4W 1A4	Date Prepared: April 1998 Prepared by: Steven R. Chambers
Identity (trade name as used on label): METERPAK® # 234 MACHINE DISHWASHING COMPOUND	For information: (905) 624-0368 Emergency 24-Hour Response: Chem Tel: 1-800- 255-3924

SECTION 1 - PRODUCT IDENTIFICATION

Product Use: Machine dishwashing compound CAS No. and Name: Not applicable	Chemical Identity: Mixture Formula and M. Wt: Not applicable
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SECTION 2 - HAZARDOUS INGREDIENTS

CHEMICAL IDENTITY	CAS#	TOXICITY
Sodium Dichloroisocyanurate Dihydrate	51580-88-0	Not available
Sodium Metasilicate	6834-92-0	Not available

SECTION 3 - PHYSICAL/ CHEMICAL CHARACTERISTICS

Physical State: Solid	
Appearance & Odour: White powder, low odour, packaged in water soluble pouch.	
Odour Threshold: Not applicable	Boiling Point: Not applicable
Specific Gravity: Not applicable	Melting Point: Not applicable
Vapour Pressure: Not applicable	pH: 1% Solution: 12.5
Vapour Density: Not applicable	Density (g/ml): 0.98
Evaporation Rate: Not applicable	Water Solubility: Complete

SECTION 4 - FIRE OR EXPLOSION HAZARDS

Conditions of Flammability: Not applicable
Means of Extinction: Use suitable for surrounding fire. Do not use dry chemical extinguisher containing ammonium compounds.
Flash Point & Method of Determination: Not applicable
Upper Flammable Limit: Not applicable
Lower Flammable Limit: Not applicable
Hazardous Combustion Products: May start to decompose at 240°C
Special Fire Fighting Procedures: None
Unusual Fire and Explosion Hazards: None

SECTION 5 - REACTIVITY DATA

Chemical Stability: Stable
Incompatible Substances: Oxidizers, nitrogen, containing compounds, concentrated acids.
Conditions of Reactivity: Decomposition start at 240 - 250°C
Hazardous Decomposition Products: Nitrogen trichloride, chlorine, carbon monoxide, carbon dioxide, hydrogen.
Hazardous Polymerization: Will not occur.

SECTION 6 - TOXICOLOGICAL PROPERTIES:

Effects of Acute Exposure: Product is sold in water soluble pouches. Direct contact with powder is unlikely to occur under normal use. However under upset or unusual conditions:
Eye Contact: Can cause irritation, redness.
Skin Contact: Can cause severe irritation and/or burns.
Inhalation: Irritation and/or burns can occur to the gastro-intestinal burns.
Ingestion: May cause irritation to the nose, mouth and throat.
Effects of Chronic Exposure: Similar to "Acute Exposure"
Exposure Limits: Not established
Sensitization to Material: No data
Carcinogenicity: Components are not known to be carcinogen by any reference source.

SECTION 7 - PREVENTIVE MEASURES

Personal Protective Equipment: Not normally required. However, wear rubber gloves, chemical goggles and NIOSH-approved respirator if direct contact with powder is likely to occur.
Engineering Controls: Standard room ventilation adequate under normal conditions.
Handling Procedure & Equipment: Standard practices for chemicals. Do not handle pouches with wet hands.
Storage Requirements: Store in a cool, dry area in the original container. Container should be kept sealed to avoid contamination with dirt or moisture.
Special Shipping Information: None
Procedures for Handling Leaks or Spills: Sweep up spilled material, do not return to original container. Place in a clean plastic bag or drum. Residue may be flushed to drain with large amounts of water.
Waste Disposal: Comply with all local, state and federal regulations.

SECTION 8 - FIRST AID MEASURES:

Product is sold in water soluble pouches. Direct contact with powder is unlikely under normal use. Should direct contact with powder occur, follow these procedures.
Eyes: Immediately flush eyes with water lifting eyelids occasionally. Seek medical attention.
Skin: Wash with lots of water. If irritation develops and persists, seek medical attention.
Inhalation: Move victim to fresh air. If discomfort occurs and persists, obtain medical attention.
Ingestion: Drink lots of water to dilute. Seek medical attention.

The information contained herein is provided in good faith and is believed to be correct as of the date hereof. However METERPAK INC., makes no representation as to the comprehensiveness or accuracy of the information. It is expected that individuals receiving the information will exercise their independent judgement in determining its appropriateness for a particular purpose. Accordingly, METERPAK INC. will not be responsible for damages of any kind resulting from the use of or reliance upon such information. No representations, or warranties, either expressed or implied, of merchantability, fitness for a particular purpose or of any other nature are made hereunder with respect to the information set forth herein or to the product to which the information refers.

METERPAK[®] INC.

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TEL: (905) 624-0366 FAX: (905) 625-4815

PRODUCT DATA SHEET

#234 MACHINE DISHWASHING COMPOUND

Premeasured . . . $1\frac{1}{2}$ ounces . . . packaged in a WATER SOLUBLE POUCH

Leaves dishes and cutlery sparkling clean

Virtually spotless even in hard water conditions

#234 is for use in both domestic and commercial dishwashers.

#234 is safe for use on all types of glassware, dishes, cutlery, pots and pans, even fine china. Its free-rinsing with no unpleasant odour left on the dishes.

#234 is premeasured and packaged in water soluble pouches. Remember . . . it isn't necessary to tear open the pouch . . . it rapidly dissolves in water. These easy-to-use pouches combine accuracy and control for maximum performance and cost effectiveness.

DIRECTIONS FOR USE:

- Follow dishwasher manufacturer's directions for stacking items in dishwashers.
- Place one (1) pouch in utensil rack or in the centre of washer.
- Large institutional machines or very soiled dishes, may require the use of 2 pouches.

CAUTION:

Keep out of reach of children. For industrial or institutional use only.
Don't handle pouches of #234 with wet hands. Keep container of #234 sealed.
Store product in a cool, dry place.
24 Hour Emergency Response Number 1-800-255-3924

Material Safety Data Sheet is on reverse side.

MANUFACTURERS OF PRE-MEASURED CLEANING PRODUCTS
PACKAGED IN WATER SOLUBLE POUCHES

ISSA MEMBER
The Expert
on Cleaning and Maintenance