

METERPAK INC.

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MATERIAL SAFETY DATA SHEETPRODUCT NAME: **#134 / #234 MACHINE DISHWASHING COMPOUND****1. PRODUCT INFORMATION**

SUPPLIER: As above
PRODUCT USE: Machine dishwashing compound
CHEMICAL IDENTITY: Mixture
CAS No. and NAME: Not applicable
FORMULA and M. Wt.: Not applicable

2. HAZARDOUS INGREDIENTS

CHEMICAL IDENTITY	CAS#	CONC.(W/W)	TOXICITY
Sodium Dichloroisocyanurate Dihydrate	51580-86-0	3 - 7%	LD50 Oral rat = 735 mg/kg
Sodium metasilicate	6834-92-0	7 - 13%	LD50 Oral rat = 1280 mg/kg
Sodium chloride	7647-14-5	10-30%	LD50 Oral rat = 3.75 g/kg
Sodium sulphate	7757-82-6	10-30%	LD50 Oral rat = 5989 mg/kg

3. PHYSICAL DATA

PHYSICAL STATE: Solid
APPEARANCE and ODOUR: White powder, low odour, packaged in water soluble pouch
ODOUR THRESHOLD: Not available BOILING POINT: Not applicable
SPECIFIC GRAVITY: Not applicable FREEZING POINT: Not applicable
VAPOUR PRESSURE: Not applicable pH: 1% solution 10.7
VAPOUR DENSITY: Not applicable DENSITY (g/ml): 0.98
EVAPORATION RATE: Not applicable WATER SOLUBILITY: Complete

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 and METHOD OF DETERMINATION: Not applicable
UPPER FLAMMABLE LIMIT: Not applicable
LOWER FLAMMABLE LIMIT: Not applicable
AUTO-IGNITION TEMPERATURE: Not applicable
HAZARDOUS COMBUSTION PRODUCTS : May start to decompose at 240°C and release carbon monoxide, chlorine, nitrogen trichlorite.
EXPLOSION DATA - SENSITIVITY TO MECHANICAL IMPACT: Not sensitive
EXPLOSION DATA - SENSITIVITY TO STATIC DISCHARGE: Not sensitive

5. REACTIVITY DATA

CHEMICAL STABILITY: Begins to lose one mole of water at approx. 50 °C.
INCOMPATIBLE SUBSTANCES: Oxidizers, nitrogen containing compounds, concentrated acids.
CONDITIONS OF REACTIVITY: Decomposition starts at 240 - 250 ° C.
HAZARDOUS DECOMPOSITION PRODUCTS: Nitrogen trichloride, chlorine, carbon monoxide, carbon dioxide, hydrogen.

#134 / #234 Machine Dishwashing Compound

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:

Skin contact: Can cause irritation, redness swelling

Eye contact: May cause severe irritation, burns

Ingestion: No known or reported effects.

Inhalation: Chronic inhalation exposure may cause impairment of lung function.

EXPOSURE LIMITS: Not established

IRRITANCY OF PRODUCT: Eye and skin irritant.

SENSITIZATION TO MATERIAL: No data

CARCINOGENICITY: Components are not known to be carcinogenic by any reference source.

REPRODUCTIVE TOXICITY: No information is available and no adverse reproductive effects are anticipated.

TERATOGENICITY: No information is available and no adverse teratogenic effects are anticipated.

MUTAGENICITY: No information is available and no adverse mutagenic effects are anticipated.

TOXICOLOGICALLY SYNERGISTIC PRODUCTS: None known.

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 and 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: Not hazardous material by TDG, DOT.

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, provincial and federal regulations.

8. FIRST AID MEASURES

Direct contact is unlikely under normal use conditions. 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.

Date: January 2018

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