

**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: <b>METERPAK INC.</b> Address: 1270 Fewster Drive, Unit 1 Mississauga Ontario, Canada L4W 1A4	Date Prepared: March 2006
Identity (trade name as used on label): <b>METERPAK® #111 &amp; #211 GLASS &amp; STAINLESS STEEL CLEANER</b>	For information: (905) 624-0366 Emergency 24-Hour Response: Chem Tel: 1-800- 255-3924

**SECTION 1 - PRODUCT IDENTIFICATION**

Product Use: Glass & Window Cleaner	Chemical Identity: Anionic surfactant
CAS No. and Name: Not applicable	Formula and M. Wt.: Not applicable

**SECTION 2 - HAZARDOUS INGREDIENTS**

CHEMICAL IDENTITY	OSHA PEL	ACGIH TLV
Trade Secret Ingredient	15 mg/m <sup>3</sup>	10 mg/m <sup>3</sup> (Nuisance dusts)

**SECTION 3 - PHYSICAL/ CHEMICAL CHARACTERISTICS**

Physical State: Solid	
Appearance and odour: Blue-grey powder, no distinct odour packaged in water-soluble pouch	
Odour threshold: Not applicable	Boiling Point: Not applicable
Specific gravity: 0.50	Melting Point: Not applicable
Vapour pressure: Not applicable	pH: As used condition: 7.0
Vapour density: Not applicable	Density (g/ml): 0.5
Evaporation rate: Not applicable	Water solubility: Complete

**SECTION 4 - FIRE OR EXPLOSION HAZARDS**

Conditions of flammability: Not flammable	Flashpoint and method of determination: > 200°F
Upper Flammable Limit: Not applicable	Means of extinction: Carbon dioxide, dry chemical, foam
Lower Flammable Limit: Not applicable	Auto-ignition temperature: No data
Hazardous combustion products: Oxides of carbon	Unusual Fire and Explosion Hazards: None recognized.
Special Fire Fighting Procedures: Cool fire-exposed container with water. Wear NIOSH / MSHA - approved self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.	

**SECTION 5 - REACTIVITY DATA**

Chemical stability: Stable	Hazardous decomposition products: Thermal decomposition
Incompatible Substances: None recognized	may produce carbon monoxide, carbon dioxide
Conditions of reactivity: None known	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:	
Skin Contact: Possible irritation	
Eye Contact: Contact will cause irritation and stinging.	
Ingestion: May cause gastrointestinal irritation.	
Inhalation: Excessive exposure to dust may cause nasal and respiratory irritation.	
Effects of Chronic exposure: No data but expected to be similar to acute exposure.	
Medical Conditions Generally Aggravated by Exposure: No aggravation of existing medical conditions are expected. Unnecessary exposure to this product should be avoided.	
Exposure Limits: Limits for nuisance dusts are 15 mg/m <sup>3</sup> (OSHA PEL) and 10 mg/m <sup>3</sup> (ACGIH TLV)	
Carcinogenicity: Not considered a carcinogen by NTP, IARC and OSHA	

**SECTION 7 - PREVENTIVE MEASURES**

Personal Protective Equipment: Powder is packaged in water- soluble pouch. Direct contact with powder unlikely under normal use conditions. Under upset or unusual conditions, wear chemical resistant gloves and safety glasses with side shields or goggles. Avoid skin contact by use of other clothing. If exposure exceeds dust exposure limits, use NIOSH/MSHA-approved dust respirator.
Engineering controls: Where employees may be exposed, provide general dilution or local exhaust ventilation in volume and pattern to keep level of hazardous ingredients below recommended (ACGIH/ TLV) or regulated (OSHA PEL) limit.
Handling procedures and equipment: Keep container tightly closed. Do not handle pouch with wet hands. Avoid contact with skin.
Storage requirements: Keep container closed. Keep away from heat, sparks and flame. Store in a dry location.
Special shipping information: None
Procedures for handling leaks or spills: Remove all sources of ignition. Wear personal protective equipment to avoid breathing dust and skin and eye contact with the spilled material. Use sweeping compound to sweep up material. Use emergency response professionals if managing a release that is beyond the capability of in-house personnel.
Waste disposal: This material is not classified as an ignitable hazardous waste. Dispose of in accordance with local, provincial and federal regulations.

**SECTION 8 - FIRST AID MEASURES:**

Direct contact is unlikely under normal use conditions. Should direct contact with powder occur follow these procedures:
Skin: Wash affected areas with soap and water. Do not use solvents. Remove contaminated clothing and wash before re-use. Get medical attention.
Eye: Flush with water for 15 minutes, holding eyelids apart. Get medical attention.
Inhalation: Remove from exposure to fresh air. Give artificial respiration or cardiopulmonary resuscitation (CPR) if required. If breathing is difficult, give oxygen. Keep warm and quiet. Get medical attention.
Ingestion: Get medical attention.

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## **Material Safety Data Sheet**

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