

# MATERIAL SAFETY DATA SHEET

## SECTION 1. PRODUCT/MANUFACTURER'S IDENTITY

**PRODUCT NAME:** MSGC **PRODUCT I.D. NUMBER (PIN):** N.A.  
**PRODUCT NUMBER:** NA **WHMIS CLASS:** B3; D2B  
**PRODUCT USE:** Concentrated surface and glass cleaner **DOT HAZARD CLASS:** Non-Regulated  
**COMPANY:** **DOT SHIPPING NAME:**  
P.B. GAST AND SONS CO., INC. N.A.  
355 COTTAGE GROVE S.E.  
GRAND RAPIDS, MICHIGAN 49507

H.M.I.S.

1	HEALTH	HAZARD RATING 4 = Extreme 3 = High 2 = Moderate 1 = Slight 0 = Insignificant
2	FIRE	
0	REACTIVITY	
B	MAXIMUM PERSONAL PROTECTION	

**EMERGENCY PHONE:** 800-843-6174

A = Goggles B = Goggles & Gloves C = Goggles, Gloves & Apron

ABBREVIATION KEY: N.A. - Not Applicable N.E. = Not Established N.D. = Not Determined

## SECTION 2 - HAZARDOUS INGREDIENTS INFORMATION

HAZARDOUS CHEMICAL IDENTITY	CAS NO.	%	PEL	TLV	LD50	LC50
Water	7732-18-5	60-100	N.E.	N.E.	N.D.	N.D.
Isopropanol	67-63-0	5-10	400ppm	400ppm	5.8g/kg	N.D.
n-Propoxypropanol	1569-01-3	10-30	N.E.	N.E.	N.D.	N.D.
1-Methoxy-2-propanol	107-98-2	5-10	100ppm	100ppm	6.6ml/kg	N.D.
Monoethanolamine	141-43-5	1-5	3ppm	3ppm	1720mg/kg	N.D.
Anionic surfactant	9004-82-4	1-5	N.E.	N.E.	N.D.	N.D.

This mixture does not contain components which are subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR, Part 372.

## SECTION 3 - PHYSICAL DATA

**Color:** Purple **Boiling Point:** 100°C (212°F) **Vapor Pressure:** <30 mm of Hg **pH:** 10.5 - 11.0  
**Odor:** Alcohol **Freezing Point:** 0°C (32°F) **Vapor Density (Air=1):** <1 **1% pH:** 9.0  
**Physical State:** Liquid **Water/Oil Distribution:** N.E. **Evaporation Rate (Water=1):** N.E. **Specific Gravity:** 0.98 gm/ml  
**Solubility in Water:** Complete **Odor Threshold:** N.E. **VOC Content:** 35.5% **Weight per Gallon:** 8.15 lbs./gal.

## SECTION 4 - FIRE AND EXPLOSION HAZARD DATA

**Flash Point and Method:** 101°F 38°C (C.C.) **Autoignition Temperature:** N.A. **Extinguishing Media:** Use water spray (fog), foam, dry chemicals, or CO2. Use dry chemical or CO2.  
**Flammable Limits:** Combustible liquid. **LEL:** N.E. **UEL:** N.E. **Special Fire Fighting Procedures:** Use proper protective equipment.  
**Hazardous Combustion Products:** N.A. **Unusual Fire and Explosion Hazards:** Avoid sources of ignition.

## SECTION 5 - REACTIVITY DATA

**Chemical Stability:** Stable. **Hazardous decomposition of By-Products:** None known.  
**Incompatibility (Materials to Avoid):** Strong oxidizers and sources of ignition. **Hazardous Polymerization:** Will not occur.

## SECTION 6 - TOXICOLOGICAL PROPERTIES

**Routes of Entry:** Ingestion. Inhalation. Skin contact. Eye contact. **Toxicologically Synergistic Products:** None known.  
**Sensitization:** No. **Medical Conditions Aggravated by Exposure:** None known.  
**EFFECTS OF OVEREXPOSURE (Acute and/or Chronic):**  
**Eyes:** May cause irritation. **Carcinogenic Effects:** NO carcinogenic effect.  
**Skin:** May cause mild irritation. May be absorbed through skin with prolonged or repeated contact. **Mutagenic Effects:** NO mutagenic effect.  
**Ingestion:** May cause gastrointestinal irritation, nausea, diarrhea. **Teratogenic Effects:** NO teratogenic effect.  
**Inhalation:** Exposure in poorly ventilated area may cause respiratory irritation. **Reproductive Toxicity:** NO reproductive toxicity effect.

## SECTION 7 - PREVENTATIVE AND CONTROL MEASURES

**Respiratory Protection:** None normally required with adequate ventilation. **Ventilation:** Local Exhaust: Acceptable Mechanical: Recommended  
**Protective Gloves:** Rubber for prolonged or repeated contact. **Eye Protection:** Safety glasses if splashing is likely.  
**Protective Clothing and Equipment:** As needed to prevent wetting of skin. **Work and Hygienic Practices:** Avoid contact with eyes, skin and clothing.  
**Storage Requirements:** Store in cool, dry area away from sources of ignition. Empty container retains vapor and product residue; do not puncture or weld on or near container. **Other Requirements:** Keep out of reach of children.  
**Steps to be Taken if Material is Spilled or Released:** Collect and reuse if possible. Ventilate area and remove all sources of ignition. Collect on inert material (sand, clay, etc.) and place into container for proper disposal. Do not allow runoff into public waterways.  
**Waste Disposal:** Dispose of as permitted by all federal, provincial, state and local regulatory authorities.

## SECTION 8 - EMERGENCY FIRST AID PROCEDURES

### FIRST AID - NOTES TO PHYSICIAN:

**Eyes:** Flush with a large amount of water for 15 minutes holding eyelids open.  
**Skin:** Wash with mild soap and water.  
**Ingestion:** Give 2-3 large glasses of water. Seek medical attention.  
**Inhalation:** Remove to fresh air and rest. In all cases if symptoms persist, seek medical attention.  
**Note to Physician:** No additional information.

## SECTION 9 - PREPARATION INFORMATION

**Prepared By:** Regulatory Affairs Department **Phone:** 616-245-0574 **Date of Preparation:** 11/10/2008.