

MSDS Alginate - 380

MATERIAL SAFETY DATA SHEET

SECTION I – Product/Company Information

1.1 Product Trade Name:	380
1.2 Part (Item) Number:	
1.3 Company Name:	WP Creations
1.4 Address:	P.O Box 27002 Dundas McLaren Cambridge ON
1.5 Emergency Telephone Number:	(800) 424-9300 (Chemtrec)
1.6 Telephone Number for Information:	(519) 623-2930
1.7 Date Prepared:	1/15/91 Dated Revised: 9/13/08

SECTION II - Hazardous Ingredients/Identity Information

<u>Hazardous Components</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>
Crystalline Silica - Cristobalite	0.05 mg/m ³	0.05 mg/m ³
Crystalline Silica - Quartz	0.05 mg/m ³	0.05 mg/m ³
Amorphous Silica - Diatomaceous Earth	1.2 mg/m ³	10 mg/m ³
Calcium Sulfate	10 mg/m ³	10 mg/m ³
Potassium Alginate (As nuisance dust)	15 mg/m ³	10 mg/m ³

Warning: This product contains silica, crystalline (airborne particles of respirable size) which is known by the State of California to cause cancer.

OTHER INFORMATION:

We have a non-colour version. Our colour version of 380 contains less than 1% Phenolphthalein as colorant

SECTION III - Physical/Chemical Characteristics

3.1 Boiling point:	N.A.
3.2 Vapor pressure:	N.A.
3.3 Vapor density:	N.A.
3.4 Solubility in water:	Partially Soluble
3.5 Appearance and odor:	Dry fluffy powder, orange in color
3.6 Specific Gravity:	0.3 g/cm ³
3.7 Melting point:	N.A.
3.8 Evaporation rate:	N.A.

SECTION IV - Fire and Explosion Hazard Data

4.1 Flash point (method used):	N.A.
4.2 Flammability (explosive limits):	LEL: N.A. UEL: N.A.
4.3 Extinguishing media:	N.A.
4.4 Special fire fighting procedures:	N.A.

4.5 Unusual fire and explosion hazards:	In common with most organic materials, this product should be treated as a combustible dust in the finely divided and suspended state.
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SECTION V - Reactivity Data

5.1 Stability:	Unstable: Stable: X
5.2 Conditions to avoid (stability):	High humidity and water contamination will cause material to gel. Prolonged exposure to heat greater than 60°C (140°F)
5.3 Incompatibility (materials to avoid):	Hydrofluoric acid.
5.4 Hazardous decomposition or byproducts:	N.A.
5.5 Hazardous polymerization:	May occur: Will not occur: X
5.6 Conditions to avoid (polymerization):	High humidity and prolonged heat greater than 60°C

SECTION VI - Health Hazard Data

6.1 Route(s) of entry:	Inhalation?: Yes Skin?: No Ingestion?: Yes
6.2 Health hazards (acute and chronic):	Acute: Transitory upper respiratory irritation or eye irritation. Chronic: Inhalation of crystalline silica has been classified by IARC as carcinogenic for humans (Group 1). Inhalation of crystalline silica is also a known cause of silicosis, a non-cancerous lung disease caused by excessive exposure to crystalline silica. Respirable dust from this product may contain up to 50% free crystalline silica (Cristobalite). As such it represents a risk to the respiratory system. Long term, unprotected exposure to dust levels in excess of the TLV or PEL may cause lung disease (silicosis).
6.3 Carcinogenicity:	NTP?: Proposed IARC monographs?: Yes (Group 1) OSHA regulated?: Yes
6.4 Signs and symptoms of exposure:	Inhalation: Irritation and soreness in throat and nose. In extreme exposures some congestion may occur. Eyes: Temporary irritation or inflammation. Not hazardous when ingested.
6.5 Medical conditions generally aggravated by exposure:	Pre-existing upper respiratory and lung diseases such as but not limited to bronchitis, emphysema, and asthma. Target organs: Lungs, Eyes.
6.6 Emergency first aid procedures:	Remove to fresh air. Drink water to clear throat and blow nose to evacuate dust. For eyes flush with copious amounts of water for 15 minutes. If irritation persists consult a physician.

SECTION VII - Precautions for safe handling and use

7.1 Steps to be taken in case material is released or spilled:	Vacuum clean dust with equipment fitted with a HEPA filter. Use dust suppression such as water if sweeping is necessary. Sweep up spilled material and place in closed containers for disposal.
7.2 Waste disposal methods:	Dispose of in accordance with Federal, State and Local regulations.
7.3 Precautions to be taken in handling and storage:	Minimize dust generation and accumulation. Avoid breathing dust, avoid contact with eyes. Return cap to canisters immediately. Close pouches immediately after

7.4 Other precautions:

use. Continue to follow all MSDS/label warnings when handling empty containers. Observe normal warehouse handling procedures. Store in a cool dry area. Store away from foodstuffs and beverages.

The avoidance of any air contaminant is always a recommended practice. Adherence to work place ventilation standards is an assurance of general personnel health and comfort.

SECTION VIII - Control Measures

8.1 Respiratory protection:

Recommended NIOSH approved nuisance dust mask.

8.2 Ventilation:

Use sufficient natural or mechanical ventilation to keep dust level below PEL.

8.3 Protective Gloves:

Rubber Gloves

8.4 Eye protection:

Goggles or safety glasses.

8.5 Other protective clothing or equipment:

Rubber apron.

8.6 Work/Hygienic practices:

Avoid dusting when in use. Observe normal care when working with chemicals.

NFPA HAZARD CLASSIFICATIONS	
Health	2
Flammability	0
Reactivity	0
Specific Hazard	N.A.

NFPA – National Fire Protection Association

N.A. - Not Applicable

N.E. - Not Established

MSDS 570 Alginate

MATERIAL SAFETY DATA SHEET

SECTION I – Product/Company Information

1.1 Product Trade Name:	570-
1.2 Part (Item) Number:	1-570
1.3 Company Name:	WP Creations
1.4 Address:	P.O Box 27002 Dundas McLaren Cambridge ON
1.5 Emergency Telephone Number:	(800) 424-9300 (Chemtrec)
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Warning: This product contains silica, crystalline (airborne particles of respirable size) which is known by the State of California to cause cancer.

OTHER INFORMATION:

Contains Synthetic Purple Oxide as colorant

SECTION III - Physical/Chemical Characteristics

3.1 Boiling point:	N.A.
3.2 Vapor pressure:	N.A.
3.3 Vapor density:	N.A.
3.4 Solubility in water:	Partially Soluble
3.5 Appearance and odor:	Dry fluffy powder, orange in color
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4.2 Flammability (explosive limits):	LEL: N.A. UEL: N.A.
4.3 Extinguishing media:	N.A.
4.4 Special fire fighting procedures:	N.A.

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SECTION V - Reactivity Data

5.1 Stability: Unstable: Stable: X
5.2 Conditions to avoid (stability): High humidity and water contamination will cause material to gel. Prolonged exposure to heat greater than 60°C (140°F)
5.3 Incompatibility (materials to avoid): Hydrofluoric acid.
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6.3 Carcinogenicity: NTP?: Proposed IARC monographs?: Yes (Group 1)
OSHA regulated?: Yes
6.4 Signs and symptoms of exposure: Inhalation: Irritation and soreness in throat and nose. In extreme exposures some congestion may occur. Eyes: Temporary irritation or inflammation. Not hazardous when ingested.
6.5 Medical conditions generally aggravated by exposure: Pre-existing upper respiratory and lung diseases such as but not limited to bronchitis, emphysema, and asthma. Target organs: Lungs, Eyes.
6.6 Emergency first aid procedures: Remove to fresh air. Drink water to clear throat and blow nose to evacuate dust. For eyes flush with copious amounts of water for 15 minutes. If irritation persists consult a physician.

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