



1050
PrimaSil
 Silicate Thinner
 Conditioner
 Primer - Binder
 Fixative

Material Safety Data Sheet (MSDS)		
Section I: Manufactured by: PermaTint 100 Bradwick Dr., Concord, ON L4K 1K8 www.permatint.com info@permatint.com		Date : April 2014 Trade Name : # 1050 PrimaSil
		Emergency Phone: 866.850.TINT (8468) Chemical Type & Function: Potassium Silicate Based Interior/Exterior Paint & Stain

Section II : Ingredients

Material / Component	Content	Hazard Identification	CAS - Number
Water	> 50 %	non-hazardous	none
Liquid Potassium Silicate solution	< 25 %	alkaline ph= 11.0	1312-76-1
Methacrylate Dispersion w/ < 50% solids	< 10 %	alkaline ph= 8.5	1336-21-6
Ammonia Solution	< 1 %	alkaline ph= 8.5	
Sodium Phosphonate Stabilizer	< 1 %	alkaline ph= 11.5	1310-73-2
Fatty Acid Defoamer	< 1 %	eye irritant ph= 4.0	126 -71 -6

Section III : Physical Data

boiling range : same as water	specific gravity (H2O=1): 1.25 @ 20 ° C
vapour pressure (kPa @25°C): same as water	volatile parts by vol. % : Zero VOC
viscosity same as water	evaporation rate : same as water
solubility in water: soluble	appearance & odour : milky colour, but dries clear light ammonia odour while wet

Section IV: Fire & Explosion Hazard Data

flash point (Abel-Pensky) : none	flammable limits (% by vol.): LeL none
extinguishing media : non-combustible	UeL none
special fire fighting procedures : n / a	
unusual fire / explosion hazards : n / a	



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Section V : Health Hazard Data

A. Routes of Exposure :		B. Emergency & First Aid Procedures :
inhalation	not applicable	not applicable
skin contact	slight irritation possible	wash w/soap and water, remove effected clothing
skin absorption	not applicable	not applicable
eye contact	irritant of eyes and other mucous membranes	rinse immediately with large qty. of water (10-15 min.)
ingestion	unlikely route of entry	call physician

Section VI : Reactivity Data

stable X unstable	conditions to avoid: n / a
incompatability (materials to avoid):	none
hazardous decomposition products :	none
hazardous polymerisation :	will not occur

Section VII: Spill & Leak Procedures

measures in case of spills:	remove with absorbent material and discard in compliance with local regulations
waste disposal method :	Allow left-overs to dry out completely until solid. Dispose of solids with regular garbage acc. to local regulations.

Section VIII: Special Protection

respiratory protection:	For sprayer application wear respirator
general ventilation :	X
protective gloves:	X (recommended)
eye protection:	X (strongly recommended, when working above head)

Section IX: Precautions

Do not ingest. Keep out of reach of children.	Avoid contact with eyes and mucous membranes.
	Store at temperatures between +5 and + 30 ° C..
	Do not store together strong oxidizers.
other precautions :	Apply standard industrial hygiene when handling chemicals