



1010
 QuartzGaurd
 Interior & Exterior
 Silicate Dispersion
 Paints & Stains

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 : # 1010 QuartzGuard
		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
Mineral Fillers and Pigments (titanium dioxide, chalk, iron oxides, calcite, kaolin clay)	> 50%	non-hazardous	various
Water	> 25%	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
Polysaccharide, Cellulose	< 1%	non-hazardous	
Fatty Acid Defoamer	< 1%	eye irritant ph= 4.0	126-71-6 51668-30-5

Section III: Physical Data

boiling range :	same as water	specific gravity (H ₂ O=1):	1.45 @ 20 °C
vapour pressure :	same as water	volatile parts by vol. % :	0.00 %
viscosity (in sec. @ 20°C @ DIN 4mm) :	high	evaporation rate :	same as water
solubility in water :	soluble	appearance & odour :	colour depending on pigment 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 :	none	Note : This product is not combustible in any way . It inhibits flame spreading when used on drywall.	
unusual fire / explosion hazards :	none		



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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