



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 |