

HIGH-PERFORMANCE LIQUID MASONRY CLEANER

Efflorescence & Calcium Buildup Remover — Concentrate — Acidic Formula

△ CORROSIVE

1 — IDENTIFICATION

Product Name	StoneKraft Liquid Masonry Cleaner
Product Code	SDS-LCL-001-EN
Recommended Use	Professional masonry cleaner; removes efflorescence, calcium buildup, mortar haze from brick, concrete and natural stone
Restrictions on Use	Not for use on marble, polished limestone, or unpainted metals. Professional use.
Supplier	StoneKraft Quebec, Canada stonekraft@polsia.app
Emergency Tel.	1-800-463-5060 (Centre antipoison du Québec — 24/7)

2 — HAZARD IDENTIFICATION

**△ DANGER**

WHMIS 2015 — Class E (Corrosive) / Class D-2B

H290	May be corrosive to metals
H314	Causes severe skin burns and eye damage
H335	May cause respiratory irritation
P260	Do not breathe vapours/spray
P264	Wash hands thoroughly after handling
P271	Use only outdoors or in well-ventilated area
P280	Wear protective gloves / eye protection / face protection
P301+P330+P331	IF SWALLOWED: rinse mouth; do NOT induce vomiting
P303+P361+P353	IF ON SKIN/HAIR: remove clothing; rinse skin with water
P304+P340	IF INHALED: remove person to fresh air; keep at rest
P305+P351+P338	IF IN EYES: rinse cautiously with water for several minutes; remove contact lenses
P310	Immediately call a POISON CENTER / doctor
P405	Store locked up
P501	Dispose of contents/container per local regulations

3 — COMPOSITION / INGREDIENT INFORMATION

INGREDIENT	CAS NO.	%W/W
Acetic acid	64-19-7	≤20%
Hydrochloric acid (diluted to <15%)	7647-01-0	≤20%
Proprietary wetting agent	Trade secret	<5%
Water	7732-18-5	Balance

Mixture. Exact concentrations are confidential business information.

4 — FIRST-AID MEASURES

ROUTE	ACTION
Eyes	Immediately flush with large amounts of water for at least 15 minutes , lifting upper and lower eyelids. Remove contact lenses if easily done. Seek immediate medical attention.
Skin	Remove contaminated clothing immediately. Wash affected skin with soap and water for at least 15 minutes . Seek medical attention if irritation persists or burns occur.
Inhalation	Remove to fresh air. Keep at rest. If breathing difficult, administer oxygen. If not breathing, perform CPR. Seek medical attention.
Ingestion	Do NOT induce vomiting. Rinse mouth with water. Give 1–2 glasses of water to drink if conscious. Call 1-800-463-5060 immediately.

Notes to physician: Acidic product — treat symptomatically; monitor respiratory tract.

5 — FIRE-FIGHTING MEASURES

Flash Point	None (aqueous)
Flammability	Not flammable
Extinguishing Media	Water, CO ₂ , dry chemical — all suitable
Hazardous Combustion	May emit HCl gas and acetic acid fumes
Protective Equipment	Full bunker gear; SCBA; chemical-resistant gloves

Not combustible. Reacts with metals to liberate hydrogen gas — keep away from ignition sources near metal equipment.

6 — ACCIDENTAL RELEASE MEASURES

Personal Protection	Full PPE (see §8). Evacuate non-essential personnel. Ensure ventilation.
Containment	Dike spill to prevent entry into drains, waterways. Neutralize with soda ash (Na ₂ CO ₃) or lime.
Clean-Up	Absorb with inert dry material (sand, vermiculite). Collect and place in labelled waste container.
Disposal	Dispose per §13. Do not flush large quantities to sewer.

⚠ Corrosive to metals — avoid contact with aluminum, galvanized surfaces.

7 — HANDLING AND STORAGE

Handling	Use in well-ventilated areas or outdoors. Avoid contact with skin, eyes, clothing. Do not eat, drink or smoke during use.
Storage Temp.	+5°C to +35°C
Container	HDPE (chemical-grade). Keep tightly sealed.
Incompatibilities	Alkalis (bases), bleach/oxidizers, unpainted metals, marble, polished stone
Freeze Protection	Do not store below 0°C — freezing may rupture container

8 — EXPOSURE CONTROLS / PERSONAL PROTECTION

OCCUPATIONAL EXPOSURE LIMITS (QUEBEC — RSST)

SUBSTANCE	TWA (8H)	STEL (15 MIN)
Acetic acid (CAS 64-19-7)	10 ppm	15 ppm
Hydrochloric acid (CAS 7647-01-0)	1 ppm (ceiling)	—

ENGINEERING CONTROLS

Use outdoors or in mechanically ventilated areas. Ensure exhaust does not recirculate into occupied spaces. Eye-wash station within 10 seconds of use area.

REQUIRED PPE

- ☐ Chemical splash goggles
- ☐ Nitrile gloves (min 0.3 mm)
- ☐ Chemical-resistant apron
- ☐ Respiratory protection if poorly ventilated (N95 / half-face with acid-gas cartridge)
- ☐ Chemical-resistant footwear

For spray application in enclosed spaces, wear a full-face respirator with acid gas / P100 combination cartridge. Replace cartridges per manufacturer schedule.

9 — PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Liquid, yellow-pale
Odour	Sharp, acetic (vinegar)
Odour threshold	~1 ppm (acetic acid)
pH	≈1 (strongly acidic, undiluted)
Boiling point	108°C (226°F)
Flash point	None (aqueous solution)
Density	1.1 kg/L @ 20°C
Vapour pressure	1.6 kPa @ 20°C
Vapour density	>1 (heavier than air)
Solubility in water	100% miscible
Viscosity	Low (similar to water)
Evaporation rate	Slow (aqueous base)

10 — STABILITY AND REACTIVITY

Stability	Stable under normal conditions of storage and handling
Reactivity	Reacts vigorously with alkalis / bases; exothermic neutralization
Hazardous Reactions	Contact with metals (Al, Zn, Fe) generates hydrogen gas (flammable)
Conditions to Avoid	Temperatures >35°C, freezing, open flames near metal equipment
Incompatible Materials	Bleach / oxidizers; sodium hydroxide; calcium oxide; unpainted metals; marble; polished limestone
Hazardous Decomposition	HCl gas, acetic acid vapour upon heating or prolonged exposure

⚠ Never mix with bleach — produces toxic chlorine gas.

11 — TOXICOLOGICAL INFORMATION

Routes of Exposure	Inhalation, skin, eyes, ingestion
Acute Oral Toxicity	Corrosive to GI tract; harmful if swallowed
Skin Corrosion	Category 1B — causes burns on prolonged contact
Eye Damage	Category 1 — causes serious eye damage
Resp. Irritation	Cat. 3 (STOT-SE) — irritating at higher concentrations
Sensitization	Not classified as skin/respiratory sensitizer
Carcinogenicity	Not listed (IARC, NTP, OSHA)
LD ₅₀ (oral, rat)	Acetic acid: 3,310 mg/kg; HCl: not established as liquid

12 — ECOLOGICAL INFORMATION

Ecotoxicity	Corrosive pH — harmful to aquatic life at undiluted concentrations
Biodegradability	Readily biodegradable (acetic acid component)
Persistence	Low — neutralized acetic acid degrades rapidly
Bioaccumulation	Not expected (low log K _{ow})
Phosphate-Free	Yes — no eutrophication risk
Aquatic Disposal	Do not discharge large volumes to waterways without neutralization

⚠ Neutralize with baking soda or lime before large-volume disposal to drains.

13 — DISPOSAL CONSIDERATIONS

Waste Disposal	Dilute excess product heavily with water, neutralize to pH 6–8 with sodium bicarbonate, then dispose via municipal sanitary sewer per local regulations
Container Disposal	Triple-rinse HDPE containers; offer for recycling or dispose per provincial hazardous waste regulations
Regulation	Quebec: Act Respecting Hazardous Materials (Q-2, r.49)

Do not pour into septic systems or drain fields without neutralization. Contact your municipality for guidance on large-quantity disposal.

14 — TRANSPORT INFORMATION

UN Number	UN 1760
Proper Shipping Name	Corrosive liquid, n.o.s. (acetic acid, hydrochloric acid)
Hazard Class	8 (Corrosive)
Packing Group	III
TDG (Canada)	Class 8 — Corrosive; TDG schedule 1
IATA/IMDG	Class 8 — Corrosive liquid
Marine Pollutant	No
Special Precautions	Upright position; segregate from food, oxidizers, flammables

15 — REGULATORY INFORMATION

WHMIS 2015 Class	E — Corrosive material; D-2B — Other toxic effects
GHS Classification	Skin Corr. 1B (H314); STOT-SE 3 (H335); Metal Corr. 1 (H290)
Canada HPR	Compliant with Hazardous Products Regulations (HPR), SOR/2015-17
CEPA Status	Listed components not on DSL Priority Substance List
CNESST	Employer must provide SDS and WHMIS training per LSST (RLRQ c. S-2.1)
REACH / US OSHA	Not registered (Canadian product); consult local regulation for export

16 — OTHER INFORMATION

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Replaces	— (initial issue)
Prepared By	StoneKraft — Technical Department
FR Version	FDS-LCL-001-FR (stonekraft.polsia.app/docs/sds-liquid-cleaner-fr.pdf)

This document is prepared from manufacturer data and supplier technical information. Contractors should confirm compliance with their own SST/CNESST safety officer and applicable provincial regulations before use on controlled job sites.

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