SAFETY DATA SHEET

SECTION 1: IDENTIFICATION

Product Name: **Konkleen**
Product Code: ST-020
Product Type: Acid Based Concrete Cleaner and Etching Agent
Chemical Manufacturer:
SCL (Trinidad) Limited
LP # 45, Saddle Road,
San Juan, Trinidad,
West Indies.
Telephone No.: 675-5555
Email: sales@scl-group.com
Website: www.scl-group.com
International use: For **CHEMTREC** assistance, call: 1-800-424-9300

Or contact your Local District Health Authority for emergency medical assistance.

SECTION 2: HAZARDS IDENTIFICATION

Appearance

- Light Yellow – Straw Coloured, Clear Liquid

Hazard classification:

- Flammable Liquid – N/A
- Acute toxicity via oral – Category 4
- Skin irritation – Category 1
- Eye damage/eye irritation – Category 1

Signal Word: Danger

Hazchem Code: None allocated.

Hazard Statements:

- H314 – Causes severe skin burns and eye damage.
- H318 – Causes serious eye damage.
- H335 – May cause respiratory irritation.
- H290 – May be corrosive to metals.

Hazard Pictogram:

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Precautionary statements:

- P102 – Keep out of reach of children.
- P101 – If medical advice is needed, have product container or label at hand.
- P103 – Read label before use.
- P234 – Keep only in original container.
- P260 – Do not breath mist, vapours, or spray.
- P264 – Wash thoroughly after handling.
- P271 – Use only outdoors or in a well-ventilated area.
- P301, P330, P331 – If swallowed: Rinse mouth. Do NOT induce vomiting.
- P303, P361, P353 – If on skin or hair: Remove/Take off immediately all contaminated clothing. Rinse skin with clean water.
- P304, P340 – If inhaled: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
- P305, P351, P338 – If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present, and easy to do. Continue rinsing.
- P363 – Wash contaminated clothing before use.
- P310 Immediately call a poison control center or doctor.
- P390 – Absorb spillage to prevent material damage.
- P403, P233 – Store in a well-ventilated place. Keep the container tightly closed.
- P501 – Dispose of contents/ container in accordance with local regulations.

SECTION 3: COMPOSITION / INFORMATION OF INGREDIENTS

Chemical Name	CAS No.	Weight %
Hydrochloric Acid	7647-01-0	60 – 70
Surfactant	9016-45-9	<1

SECTION 4: FIRST AID MEASURES

Description of First Aid Measures:

- **Inhalation** – Remove the victim to fresh air away from exposure. Obtain medical attention if symptoms occur.
- **Skin contact** – Immediately wash contaminated skin with plenty of soap and water. Remove contaminated clothing and wash before re-use. Seek medical advice if irritation, burning or redness persists.
- **Eye contact** – Immediately irrigate with copious quantities of water for at least 20 minutes. Eyelids to be held open. Remove clothing if contaminated and wash the skin. Immediately seek medical advice even if there are no visible injuries.
- **Ingestion** – Do NOT induce vomiting. Do NOT attempt to give anything by mouth to an unconscious person. Rinse mouth thoroughly with water immediately. Give water to drink. If vomiting occurs, give further water to achieve effective dilution. Seek medical advice

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(e.g. doctor) immediately. If ingestion quantity is significant transport to hospital.

- **Advice to Doctor** – Treat symptomatically. All treatments should be based on the patient's observed signs and symptoms of distress.

SECTION 5: FIRE FIGHTING MEASURES

This Product is classified as:	Non - Flammable Acidic Cleaner
Flash Point (^{o}C):	N/A
Extinguishing Media:	Chemical Foam, Carbon Dioxide, Water Spray

Special Fire Fighting Procedures: None are expected to be required. If this material is involved in a fire, NIOSH-approved self-contained respiratory protection should be worn Material can splatter above 100 degrees Celsius. No fire or explosive hazards are expected.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal protective equipment precautions and emergency procedures: All persons handling and addressing clean-up spills should wear the appropriate chemical personal protective equipment. Refer to the protective measures listed in sections 7 and 8.

Environmental precautions: Spillages or uncontrolled discharges into watercourses must be reported immediately to the appropriate Environmental Agency or other appropriate regulatory body. Avoid or minimize the creation of any environmental contamination.

Methods, material for containment and cleaning up:

SMALL SPILLS: Wear protective equipment to prevent skin and eye contamination. Avoid inhalation of vapors. Confine as much as possible. Dike and absorb with inert material such as vermiculite, soil, or sand. Collect and seal in properly labeled containers or drums for disposal.

LARGE SPILLS: Clear the area of all unprotected personnel. Wear protective equipment to prevent skin and eye contamination and the inhalation of vapours.

Contain - prevent runoff into drains and waterways. Where possible, neutralization with Calcium Carbonate, Sodium Carbonate, or Calcium Hydroxide is recommended before clean-up to reduce the hazard level. Dike and absorb with inert material such as vermiculite, soil, or sand. Collect and seal in properly labelled containers or drums for disposal. If contamination of crops, sewers, or waterways has occurred advise local authorities immediately.

Special spill response procedures: Contact appropriate local and district environmental authorities for assistance and/or reporting requirements.

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SECTION 7: HANDLING AND STORAGE

Preventive Measures: Avoid splashes into eyes.

Storage: Store in a cool, dry place – Do not store containers in direct sunlight. Avoid contact with metals. Check regularly for leakage.

Ventilation: Adequate ventilation is required.

Personal Protection:

Respirator: Wear respirators when using material.

Skin: Wear chemical gloves and protective clothing.

Eyes: Wear chemical splash goggles or face shields.

SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure limits noted for ingredient(s):

Chemical Name	ACGIH TLV	OSHA PEL (C)	NIOSH IDLH/REL
Hydrochloric Acid	TWA: 2 ppm	TWA: 7 mg/M^3	TWA: 7 mg/M^3
	8 Hour TWA	8 hour TWA	10 hour TWA

Respiratory Protection: Required for Use (See Section 7)

Eye Protection: Safety glasses or goggles are required.
Skin Protection: Chemical-resistant gloves and protective clothing are required to prevent skin contact.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

- **Appearance**: Light yellow – Straw Coloured, Clear liquid
- **Specific Gravity**: 1.100 – 1.125 at 28ºC
- **Odour**: Pungent/Sharp Odour
- **Operating Temperature:** 9°C - 40°C
- **pH** : < 2
- **Shelf Life**: 1 Year in original unopened containers
- **Vapour pressure:** N/Av
- **Flammability:** None
- **Boiling Point:** 100ºC
- **Flash Point:** N/A
- **Solubility:** Miscible in Water

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SECTION 10: STABILITY AND REACTIVITY

- **Reactivity:** Stable at normal temperatures and pressure
- **Chemical stability:** Stable under normal conditions for storage and use.
- **Incompatible materials:** Avoid contact with incompatible materials such as caustics, ferrous metals, non-ferrous metals (e.g. Aluminium, Zinc or Tin) and their alloys.
- **Hazardous decomposition products:** Attacks many reactive metals (aluminium/magnesium/zinc alloys) releasing highly flammable gas (hydrogen) which generates fire or explosion hazards. In the presence of alkalis, exothermic (heat producing) reactions may occur.
- **Hazardous Polymerization:** Will not occur.

SECTION 11: TOXICOLOGICAL INFORMATION

Local Effects – Corrosive: skin, eye, inhalation (of aerosol) and ingestion.
Target Organs – Skin, mucous membranes, blood, kidneys, central nervous system.
Chronic Health Effects:

- Mutagenicity: Not expected to be mutagenic in humans.
- Carcinogenicity: No components are listed as carcinogens by ACGIH, IARC, OSHA or NTP.

Reproductive effects & Teratogenicity

- This product is not expected to cause reproductive or developmental effects.

SECTION 12: ECOLOGICAL INFORMATION

Large-scale release of products into watercourses or drainage is to be avoided as it may harm aquatic life.

Persistence and degradability: This product is readily biodegradable.

Bioaccumulation potential: Not expected to bioaccumulate.

Mobility in soil: No data is available on the product itself.
Other Adverse Environmental Effects: No known effects.

SECTION 13: DISPOSAL CONSIDERATIONS

Handling for Disposal: Handle in accordance with current good manufacturing practices, good industrial hygiene, and safety practices. Refer to the protective measures listed in sections 7 and 8.

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Methods of Disposal: Dispose in accordance with all applicable environmental policies and local regulations.

SECTION 14: TRANSPORT INFORMATION

- No transport restrictions or specific regulations.
- Not considered dangerous goods.

SECTION 15: REGULATORY INFORMATION

AICS – All ingredients present on AICS.

SECTION 16: OTHER INFORMATION

Preparation Date (mm/dd/yyyy): 07-23-2024 **Version #:** 002

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