Concrete & Asphalt Cleaner

≡ *Safety Data Sheet* ≡

1. Product Identification

Product:	**Sakrete Concrete & Asphalt Cleaner**
Chemical Name:	**Mixture**
Recommended Use:	**Degreasing of hard surfaces**
Supplier:	**Sakrete of North America** **8201 Arrowridge Blvd.** **Charlotte, NC 28273**
Telephone:	**866-725-7383**
Emergency Number:	**CHEMTREC 800-424-9300 (U.S.A.)** **+1 (703)527-3887 (International)**

2. Hazards Identification

Classification:

Skin Irritation	-	Category 3
Eye Irritation	-	Category 2A
Oral Toxicity	-	Category 5
Aspiration Hazard		Category 2

Not toxic to aquatic environment

Labeling:

Symbol: Exclamation mark

Signal Word: Warning

Hazard Statement:
Causes severe eye irritation
Irritating to skin
May be harmful if swallowed
Do not breathe mists

Precautionary Statements:
Protective gloves and eye protection are advised
Solution on floor is slippery
Keep out of reach of children

3. Composition/Information on Ingredients

Chemical Identity:	Sodium Carbonate	-	1 – 4 %
Common Name:	Soda Ash		
CAS No:	497-19-8		
Impurities:	None		
Chemical Identity:	Tetra sodium ethylenediamine tetraacetate	-	1 – 3 %
Common Name:	EDTA tetra sodium salt		
CAS No:	64-02-8		
Impurities:	None		

NA = Not Applicable NE = Not Established UN = Unknown

4. First Aid Measures

Eye Contact: Immediately flush eyes with plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Get medical attention immediately.

Skin Contact: Immediately flush skin with plenty of soap and water for at least 15 minutes. Remove contaminated clothing and shoes. Get medical attention. Wash clothing before reuse. Thoroughly clean shoes before reuse.

Inhalation: If mists are inhaled remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Ingestion: If swallowed, DO NOT INDUCE VOMITING. Give large quantities of water. Never give anything by mouth to an unconscious person. Get medical attention immediately.

Note to Physician: Treat symptomatically. Consider endoscopy in all suspected cases of sodium carbonate poisoning. Perform blood analysis to determine if dehydration, acidosis, or other electrolyte imbalances occurred.

5. Firefighting Measures

Extinguishing Media:
Non-Flammable. Any means available to fight surrounding fire.

Specific Hazards in Case of Fire:
None are known.

Special Protective Equipment and Precaution for Firefighters:
None. Use any equipment needed to fight surrounding fire.

6. Accidental Release Measures

Personal Precautions and Equipment:
Caution: solution will make floor slippery. Wear appropriate protective equipment – goggles, neoprene coveralls, neoprene, nitrile or latex gloves. If product is reacting with other materials use NIOSH/MSHA approved respirator.

Environmental Precautions:
Stop source of leak. Isolate spill by diking. Prevent spills from entering storm sewers or drains and contact with soil.

Methods and Materials for Containment and Cleaning up:
Transfer to non-leaking container or storage vessel. Neutralize with dilute acid such as acetic (vinegar) and flush with water. Do not wash un-neutralized product into sewers or waterways. If the location of the spill does not permit on site neutralization, absorb spill with inert material (diatomaceous earth) or absorbent pads. Clean up and place in an approved DOT container and seal.

7. Handling and Storage

Precautions for Safe Handling:
Protect against physical damage. Do not get in eyes, on skin or clothing. Do not breathe mists.
Isolate from incompatible substances. Observe all warnings and precautions listed for this product.
Practice good industrial hygiene. KEEP OUT OF REACH OF CHILDREN.

Conditions for safe storage, including any incompatibilities:
Keep in a tightly closed container. Keep containers upright when not in use. Incompatible with acids. Reaction with acids will emit carbon dioxide.

8. Exposure Controls/Personal Protection

Engineering Controls:
Exhaust ventilation is not necessary. Avoid misting of product.

Eye Protection:
Use chemical safety goggles and/or full-face shield where misting or splashing of solution is possible. Maintain an eye wash fountain and a safety shower in the work area.

Skin Protection:
Avoid skin contact and use nitrile, latex, neoprene or natural rubber gloves.

Respiratory Protection:
When there is exposure to mist or if gas is evolved due to reaction with incompatible materials, use NIOSH/MSHA approved dust/mist filter respirator.

Other Protective Equipment:
Rubber apron and boots are suggested. Eyewash and safety shower must be available.

9. Physical and Chemical Properties

Physical State:	Liquid
Color:	Pale Yellow
Odor:	Soapy
Odor Threshold:	NA
pH Value:	11.0 @ 25°C
Melting point/Freezing Point:	NA
Boiling Point:	>212°F (100°C)
Flash Point:	NA
Evaporation Rate:	NE
Flammability:	Non-flammable
Explosion Limits:	NA
Vapor Pressure:	NE
Specific Gravity:	1.038 g/cc @ 25° C
Solubility:	Soluble in Water
Auto-ignition Temperature:	NA
Decomposition Temperature:	NA

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10. Stability and Reactivity

Chemical stability: Stable
Possibility of hazardous reactions: Will not occur
Conditions to avoid: Contact with acids
Incompatible materials: Acids
Hazardous decomposition products: None (contact with acids will release carbon dioxide)

11. Toxicological Information

Routes of Exposure: Ingestion, Eye and Skin Contact, Inhalation of mists
Related Symptoms: **Ingestion** - Ingestion can be corrosive to the gastro-intestinal tract where symptoms may include severe abdominal pain, vomiting, diarrhea, collapse and death.
Eye Contact - Contact may be corrosive to eyes and cause conjunctival edema and corneal destruction. Risk of serious injury increases if eyes are kept tightly closed. Other symptoms may appear from absorption into the bloodstream via the eyes.
Skin Contact - Excessive contact may cause irritation with blistering and redness.
Inhalation of Mist - Inhalation of solution mist can cause nasal and respiratory irritation. More severe burns and upper respiratory tissue damage can occur at higher concentrations. Pneumonitis can result from severe exposure.
Chronic Effects: Prolonged or repeated skin exposure may cause sensitization.
Toxicity Data: For Sodium Carbonate: Oral rat LD50: 4090 mg/kg; inhalation rat LC50: 2300 mg/m3/2H; irritation eye rabbit: 50 mg severe; investigated as a mutagen, reproductive effector.
Carcinogenic: NTP: No IARC: No OSHA: No Other: No

12. Ecological Information

Ecotoxicity: For Tetra sodium ethylenediamine tetraacetate: Ecotoxicity in water (LC50): 760 mg/l 96 hours [Bull gill sunfish]. 59.8 mg/l 96 hours [Fathead Minnow].
Products of Biodegradation: For all ingredients in Section 3: Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.
Toxicity of the Products of Biodegradation: The products of degradation are less toxic than the product itself.

13. Disposal Considerations

Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.

14. Transport Information

Not Regulated

15. Regulatory Information

CERCLA Reportable Quantity: None
SARA Title III: Section 313 toxic chemical substances present at or above de minimus concentrations: None
Section 311/312: Acute: Yes; Chronic: No; Fire: No; Pressure: No; Reactivity: No
TSCA: Components are TSCA listed.
State or Local Regulations: This product may contain chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

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16. Other Information

Safety Rating: FIRE – 0 HEALTH – 2 REACTIVITY – 1

4 = EXTREME 3 = HIGH 2 = MODERATE 1 = SLIGHT 0 = NONE

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