

SAFETY DATA SHEET

NOTICE: Judgment may be based on indirect test and technical literature. The OSHA Hazard Communication Standard only requires SDS's and special labeling for materials defined as "HAZARDOUS"; see 29 CFR 1910.1200 (c). This document may be about a product which is NOT hazardous but is provided as information for our customers. See references for information.

SECTION 1. IDENTIFICATION

Product Identifier: Clean-Crete Product Use: Granular Concrete Cleaner Manufacturer: Atco International 1401 Barclay Circle, SE Marietta, GA 30060	Product Identification: # 2535 Emergency Telephone #: 1-800-255-3924 General Information #: 770-424-7550 Date Prepared: March 29, 2019
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SECTION 2. HAZARD(S) IDENTIFICATION

GHS Hazard Codification:



Signal Word: DANGER

Hazard Class	Category	Code	Hazard Statement
Corrosive to Metal	1	H290	May be corrosive to metals
Skin Corrosion	1B	H314	Causes severe skin burns and eye damage
Eye Damage	1	H318	Causes serious eye damage
STOT, SE; Respiratory Tract Irritation	3	H335	May cause respiratory irritation

Precautionary	Code	Statement
Prevention	P234 P260 P264 P280	Keep only in original container. Do not breathe dust. Wash thoroughly after handling Wear protective gloves/protective clothing/eye protection/face protection
Response	P301+P330+P331 P303+P361+P353 P363 P304+P340 P310 P321 P305+P351+P338 P310 P390	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. IF ON SKIN (or hair): Remove immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor/physician. Specific treatments: See section 4 First Aid Measures. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if easy to do so. Continue rinsing. Immediately call a POISON CENTER or doctor/physician. Absorb spillage to prevent material damage.
Storage	P404 P405	Store in a closed container. Store locked up.
Disposal	P501	Dispose of contents/container in compliance with all Federal, State/Provincial and local laws and regulations.

Description of any hazards not otherwise classified: Corrosive to digestive tract – May cause gastrointestinal irritation, burns, nausea, vomiting or diarrhea. Exothermic reaction with water (gives off heat). Reacts with acids to release carbon dioxide gas and heat.

SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient	Common Name	CAS #	Concentration Range %
Disodium trioxosilicate	Sodium metasilicate pentahydrate	10213-79-3	73 – 77
Sodium carbonate	Soda ash	497-19-8	16 – 20
Surfactant blend	Trade secret	Trade secret	1 – 4

SECTION 4. FIRST AID MEASURES

- **Eyes:** Flush well with water for at least 15 minutes, holding eyelids open. Remove any contact lenses and continue rinsing. Seek medical attention immediately.
- **Skin:** Wash well with soap and water or water shower. Remove contaminated clothing and launder before reuse. If irritation develops and persists, seek medical attention.
- **Inhalation:** Remove victim to fresh air and keep at rest in a position comfortable for breathing. If breathing is difficult, have a trained person administer oxygen. If respiration stops, have a trained person administer artificial respiration by way of pocket mask equipped with one-way valve or other proper respiratory device – Do NOT use mouth-to-mouth method if victim inhaled material. Call a physician.
- **Ingestion:** DO NOT INDUCE VOMITING. Call a physician immediately. If victim is conscious and alert, have him rinse mouth, then give 1-2 glasses of water to drink. Never give anything by mouth to an unconscious person. If vomiting occurs spontaneously, keep head below hips to prevent aspiration.

SECTION 5. FIRE-FIGHTING MEASURES

Flammability: Not flammable

Flash Point: Not flammable

- Extinguishing Media: Use media appropriate for surrounding fire.
- Specific hazards arising from chemical: Exothermic reaction with water (gives off heat).
- Hazardous combustion products: Carbon monoxide and carbon dioxide and hydrogen.
- Firefighting protective equipment: Wear a self-contained breathing apparatus with a full face piece operated in the positive pressure demand mode with appropriate turn-out gear and chemical resistant personal protective equipment.
- Sensitivity to static discharge: This product is not sensitive to static discharge.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Use personal protective equipment (Section 8). Eliminate all ignition sources. Ventilate area. Do not breathe dust.

- For Small Spills: Avoid dispersal of material into soil, waterways, drains and sewers. Contain discharged material. If sweeping of a contaminated area is necessary, use a dust suppressant agent. Place all spill residues in an appropriate container for chemical wastes and seal it. Wash walking surfaces with water and prevent spill rinsate from contamination of storm drains, sewers, soil or groundwater. Dispose of chemical waste material in accordance with local, state and federal regulations.
- For Large Spills: Large spills cannot occur due to packaging.

SECTION 7. HANDLING AND STORAGE

- Handling: Wear personal protection equipment (Section 8). Use with adequate ventilation. Do not breathe dust. Avoid dust formation. Do not premix with other chemicals. Empty containers may contain residue and can be dangerous. Do not eat, drink or smoke in work areas. Wash thoroughly after handling.
- Storage: Keep away from heat, flame, or sunlight. Keep from freezing. Keep container tightly closed when not in use. Store locked up. Keep only in original container. Protect from physical damage. Store away from moisture, acids, lime dust, aluminum, fluorine, magnesium, zinc, tin, copper and phosphorus pentoxide.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Ingredient	CAS #	OSHA/PEL	ACGIH/TLV	STE L
Disodium trioxosilicate	10213-79-3	3mg/m3	Not established	10mg/m3
Sodium carbonate	497-19-8	15mg/m3	10mg/m3	Not determined
Surfactant blend	Trade secret	15mg/m3	10mg/m3	Not determined

Engineering Controls: Provide adequate ventilation. Observe occupational exposure limits and keep the risk of exposure to a minimum.

Personal protective equipment:

- Eye: Safety glasses with side shields or splash proof goggles. Use face shield if handling large amounts.
- Skin: Chemical resistant (impervious) gloves. Normal materials handling clothing. Use apron if handling large amounts.
- Respirator: If airborne concentration is high, use an appropriate dust respirator or mask. If airborne concentrations are above exposure limits, use NIOSH-approved respiratory protection.
- Other: Use only in a well ventilated area. Do not eat, drink or smoke while handling. Wash thoroughly after handling.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Yellow powder	Upper/Lower flammability limits	Not determined
Odor	Pine	Vapor pressure	Not applicable
Odor threshold	Not determined	Vapor density (Air = 1)	Not applicable
pH, 2%	12.5 – 13.5	Specific gravity (water = 1.0)	Not determined
Melting point	Not determined	Solubility	Soluble in water
Freezing point	Not determined	Partition coefficient (n-octanol/water)	Not determined
Boiling point	Not determined	Auto-ignition temperature	Not determined
Flash point	Not flammable	Decomposition temperature	Not determined
Evaporation rate (n-butyl acetate=1)	Not applicable	Viscosity	Not applicable
Flammability	Not flammable	%Volatile/Volume	<1

SECTION 10. STABILITY AND REACTIVITY

- Reactivity: Not reactive under normal conditions. Reacts with acids to form carbon dioxide gas and heat. Exothermic reaction if in contact with acids. When dissolving in water, solutions can get hot (exothermic).
- Chemical stability: Stable under normal, ambient temperature and conditions.
- Possibility of hazardous reactions: Hazardous polymerization will not occur.
- Conditions to avoid: Heat, flame and sparks. Keep from freezing. Do not mix with other chemicals
- Incompatible materials: Avoid acids, lime dust, aluminum, fluorine, magnesium, zinc, tin, copper and phosphorus pentoxide.
- Hazardous combustion products: Carbon monoxide and carbon dioxide and hydrogen.

SECTION 11. TOXICOLOGICAL INFORMATION

Acute and Chronic Toxicity (short and long term):

- Oral (LD50 Rat): >1200mg/kg
- Dermal (LD50 Rabbit): >2000mg/kg
- Inhalation (LC50 Rat): >2.06 g/m3
- Eye Contact: Corrosive to eyes. Causes severe eye damage if not treated quickly.

- Skin Contact: Corrosive to skin. Prolonged contact may cause blisters, burns. Repeated exposure to skin may cause dermatitis.
- Inhalation: Corrosive - Inhalation of dusts causes irritation to respiratory tract.
- Ingestion: Corrosive to digestive tract – May cause gastrointestinal irritation, burns, nausea, vomiting or diarrhea.
- NTP/IARC/OSHA Carcinogen: No

SECTION 12. ECOLOGICAL INFORMATION

Aquatic Effects:

- 96h LC-50 (fish): 210 mg/l
- 48h EC-50 (invertebrates): 1700 mg/l
- 72h EC-50 (algae): 207 mg/L
- Persistence and degradability: Not determined.
- Bioaccumulation: Not determined
- Mobility: This product is soluble in water and may spread in water systems. Soil mobility not determined.
- Effects on Aquatic Life: This product can raise the pH of an aquatic environment, and thus be toxic to fish and aquatic plants. As with all chemicals, work practices should be aimed at eliminating environmental releases.

SECTION 13. DISPOSAL CONSIDERATIONS

- Disposal of Wastes: Do not dump into sewers, on the ground or into any waterways. All disposal practices must be in compliance with all Federal, State/Provincial and local laws and regulations.
- Contaminated Packaging: Since emptied containers retain product residue, follow label warnings even after container is emptied. Do not cut, drill, grind or weld on or near the container.
- RCRA: A waste containing this product may have the RCRA hazardous waste no. D002 (Corrosive) (40 CFR 261.22).

SECTION 14. TRANSPORT INFORMATION

United States DOT:

- UN/ID No.: UN3262
- Proper Shipping Name: Corrosive solid, basic, inorganic, n.o.s., (Disodium Trioxosilicate)
- Hazard Class: 8
- Packing Group: III
- Nonhazardous exemption - 49 CFR §173.154 (b) (2) (Exemption): This product can ship as "Limited Quantity" in inner packaging not over 11 lbs. (Non Hazardous)

IATA and IMDG:

- UN/ID No.: UN3262
- Proper Shipping Name: Corrosive solid, basic, inorganic, n.o.s., (Disodium Trioxosilicate)
- Hazard Class: 8
- Packing Group: III
- Marine Pollutant (IMDG Code): Not listed (49 CFR 172.101).
- Transportation in bulk (IMDG - Annex II of MARPOL 73/78 and IBC Code): Not offered in bulk for transport overseas.

SECTION 15. REGULATORY INFORMATION

- TSCA: All components of this product are on the TSCA inventory or are exempt from TSCA inventory requirements under 40 CFR 720.30.
- SARA Section 302: The components of this product are either not regulated or regulated, but present in negligible concentrations.
- SARA TITLE III Section 311/312:

Immediate (Acute) Health	Yes	Fire Hazard	No
Delayed (Chronic) Health	No	Reactive Hazard	Yes

- SARA Title 313: This material does not contain any chemical components with known CAS numbers that exceed the De Minimis reporting levels (40 CFR 372).
- CERCLA: This product does not have a reportable quantity.
United States Right-To-Know: None known.
- Proposition 65: This material does not contain any chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.
- RCRA: A waste containing this product may have the RCRA hazardous waste no. D002 (Corrosive) (40 CFR 261.22).

SECTION 16. OTHER INFORMATION

- Date Prepared: March 29, 2019
- Hazard Ratings (HMIS): Health 3, Flammability 0, Reactivity 2 (Scale 0 – 4). Personal Protection Rating to be supplied by user based on use conditions.
- Product VOC: 0%
- Carefully read all instructions on label before handling this product.
- Keep out of reach of children.
- "FOR INDUSTRIAL USE ONLY"

Abbreviation	Full Name/Explanation
ACGIH	American Conference of Government Industrial Hygienists
CAS	Chemical Abstract Service
CERCLA	Comprehensive Environmental Response Compensation and Liability Act

CNS	Central Nervous System
CFR	Code of Federal Regulations
DOT	Department of Transportation
EC	Effective Concentration
HMIS	Hazardous Material Information System
LC	Lethal Concentration
LD	Lethal Dose
NA	Not Applicable
ND	Not Determined
NE	Not Established
NIOSH	National Institute for Occupational Safety and Health
OSHA	Occupational Safety and Health Administration
PEL	Permissible Exposure Limit
RCRA	Resource Conservation Recovery Act
SARA	Superfund Amendments and Reauthorization Act
STEL	Short-Term Exposure Limit
TLV	Threshold Limit Value
TSCA	Toxic Substance Control Act
VOC	Volatile Organic Compounds

The information contained herein is based on data available to us and is believed to be correct. We make no warranty, however, expressed or implied regarding the accuracy of these data or the results obtained from the use thereof.

Regulatory Standards: DOT TITLE 49, Code of Federal Regulations 172.101: Parts 100 to 177, Revised 10/1/92.

SUPER FUND AMENDMENTS REAUTHORIZATION ACT OF 1986, TITLE III TOXIC SUBSTANCE CONTROL ACT LIST (TSCA)- INGREDIENTS LISTED, REGISTRY OF TOXIC EFFECTS OF CHEMICAL SUBSTANCES NATIONAL TOXICOLOGICAL PROGRAM (NTP) REPORT OF CARCINOGENS INTERNATIONAL AGENCY FOR RESEARCH ON CANCER (IARC) MONOGRAPHS, OCCUPATIONAL SAFETY & HEALTH REGULATIONS. CODE OF FED. REGS. FOOD & DRUG, 21 PARTS 170 to 199, Revised 4/1/91, 173.310.