




SAFETY DATA SHEET



Section 1. Chemical Product and Company Identification			
Product Name/Trade Name	HEAVY DUTY CONCRETE CLEANER	Code	1340
Synonym	Alkaline Detergent	CAS #	Not Applicable.
Chemical Family	High alkaline/caustic detergent	Validation Date	11/22/2019
EPA Reg. Number	n/a	In Case of Emergency	Chemtrec 800.424.9300
Manufacturer/Supplier	Acme Soap Company 4351 DIRECTOR DR. San Antonio, TX 78219 210-731-9800	Protective Clothing   	
TSCA	TSCA Inventory: All components listed or are exempt from listing		
DSL/NDSL	All components listed unless noted elsewhere on this SDS		

Section 2. Information on Hazardous Ingredients				
Name	CAS #	% by Weight	Exposure Limits	TLV
Sodium Carbonate	497-19-8	40-60	Not available	Not established
Sodium Hydroxide	1310-73-2	10-20	Not available	2 mg/m ³ C
Sodium Metasilicate	6834-92-0	10-20	Not available	Not available
Pine Oil	8002-09-3	2-5	Not available	Not available

Section 3. Hazards Identification	
Emergency Overview	Orange powder. Corrosive to the eyes, skin, gastrointestinal tract and respiratory system.
Potential Acute Health Effects	
Skin:	Causes severe corrosive burns. Brief exposure may cause irritation and defatting of the skin.
Eyes:	Causes severe burns and may result in permanent injury to eyes including blindness.
Ingestion:	May be harmful if swallowed including gastrointestinal irritation, nausea, vomiting and diarrhea.
Inhalation:	Dust and vapors can irritate the throat and respiratory tract. High vapor concentrations may cause central nervous system effects. Symptoms may include headaches, dizziness and drowsiness.

Section 4. First Aid Measures	
Eye Contact	Immediately flush eyes with running water for at least 15 minutes, while holding eyelids open. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Seek medical attention.
Skin Contact	Remove and wash contaminated clothing before reuse. Rinse skin immediately with plenty of water.
Inhalation	If symptoms are present, move to fresh air. If person is not breathing call 911 or an ambulance, then give artificial respiration if possible
Ingestion	Do not induce vomiting. Drink water in large amounts and call a physician immediately. Avoid alcohol. Never give anything by mouth to an unconscious person.
Note to physician:	Probable mucosal damage may contraindicate the use of gastric lavage.

Section 5. Fire Fighting Measures	
Products of Combustion	Not flammable.
Fire Fighting Media and Instruction	Use whatever media that is compatible with surrounding materials.
Special Remarks on Fire Hazards	Irritating and toxic gases or fumes may be released during a fire.
Special Remarks on Explosion Hazards	N/A

Section 6. Accidental Release Measures	
Small Spill and Leak	Contain spills immediately and avoid discharge to natural waters. Contaminated product must be disposed in accordance with all governmental regulations. Immediately sweep up spilled material. Small amounts of material may be added to a large container filled with water and neutralized with vinegar or dilute phosphoric acid, such as a dish machine delimer. Use extreme caution during the dilution process.
Large Spill and Leak	In the rare instance of a large spill follow similar steps as with a small spill, repeating as many times as necessary to completely recover material. Wash floors thoroughly with clear water after removal.

Personal Protection in Case of a
Large Spill

Approved safety goggles or glasses. Natural rubber or synthetic gloves.

Boots are recommended.

Section 7. Handling and Storage

Precautions Do not contaminate food or water by storage or disposal. Store only in original container. See label instructions for container disposal. Do not reuse empty container. Do Not Breath Spray Mist.

Incompatibility Any acid product. Aluminum materials.

Storage Keep out of reach of children. Do not contaminate food or water by storage or disposal. Store only in original container. Do not reuse empty container. See label for container disposal.

Section 8. Exposure Controls/Personal Protection

Engineering Controls Good general ventilation should be sufficient to control airborne levels. Eye wash station

is recommended.

Personal Protection: *Eyes* Splash Goggles.

Body Apron is recommended.

Respiratory If exposure limits are exceeded or if irritation persists, NIOSH approved respiratory protection should be worn.

Hands Gloves (natural rubber or synthetic)

Protective Clothing
(pictogram)



General: Eye wash fountain and emergency shower are recommended.

Section 9. Physical and Chemical Properties


Physical State and Appearance	Powder	Odor	Pine
Molecular Weight	Not applicable		
pH	13.5 - 14.00	Color	Orange
Boiling/Condensation Point	n/a		
Melting/Freezing Point	Not applicable		
Critical Temperature	Not Available.		
Instability Temperature	Not Available.		
Specific Gravity	1.8 (15.1 lbs/gal)		
Vapor Pressure	Not Available.		
Vapor Density	Estimated to be heavier than air.		
Volatility	75-95		
VOC	Not Available.		
Evaporation Rate	Not Available.		
Dispersion Properties	Not available.		
Solubility	Complete in water		
The Product is:	Stable		
Auto-ignition Temperature	None		
Flash Points	None		
Flammable Limits	Not applicable		
Fire Hazards in Presence of Various Substances	No specific information is available in our database regarding the flammability of this product in the presence of various materials.		
Explosion Hazards in Presence of Various Substances	No specific information is available in our database regarding the product's risks of explosion in the presence of various materials.		

Section 10. Stability and Reactivity Data	
Stability	This product is stable.
Incompatibility with Various Substances	Keep away from acids, heat and strong oxidizing agents. Avoid contact with aluminum
Hazardous Decomposition Products	Thermal decomposition may produce oxides of carbon.

Section 11. Toxicological Information									
Routes of Entry	Skin absorbtion, Ingestion, Inhalation								
Acute Effects on Humans	<table border="0"> <tr> <td>Eyes</td> <td>Corrosive</td> </tr> <tr> <td>Skin</td> <td>Corrosive</td> </tr> <tr> <td>Inhalation</td> <td>No unusual vapor hazards.</td> </tr> <tr> <td>Ingestion</td> <td>1850 mg/kg for male and female rats combined.</td> </tr> </table>	Eyes	Corrosive	Skin	Corrosive	Inhalation	No unusual vapor hazards.	Ingestion	1850 mg/kg for male and female rats combined.
Eyes	Corrosive								
Skin	Corrosive								
Inhalation	No unusual vapor hazards.								
Ingestion	1850 mg/kg for male and female rats combined.								
Chronic Effects on Humans	Not Available.								
Special Remarks on Chronic Effects on Humans	No additional remark.								

Section 12. Ecological Information	
Ecotoxicity	Very toxic to aquatic organisms
BOD5 AND COD	Not available.
Products of Biodegradation	Not available.
Toxicity of the Products of Biodegradation	Not available.
Special Remarks on the Products of Biodegradation	Product is biodegradable.

Section 13. Disposal Considerations	
Waste Information	Waste must be disposed of in accordance with federal, state and local environmental control regulations.
Waste Stream	Not available

Section 14. Transport Information	
DOT (U.S.A.) 8 Corrosive (Pictograms)	
TDG Classification	Corrosive Compound Cleaning Solid
PIN UN, Proper Shipping Name, PG	Shipping name: UN1814,8, PG II, Sodium Hydroxide Solid.
Maritime Transportation	Not available.
Special Provisions for Transport	Not available.

Section 15. Other Regulatory Information and Pictograms

(Classification)											
Material causing other toxic effects.											
Regulatory Lists		No products were found.									
Other Regulations		OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200).									
Other Classifications	HCS (U.S.A.)	HCS CLASS: Irritating Substance									
	USA Regulatory Lists	SARA Title III Section 302 Extremely Hazardous Chemicals: None Section 311/312 Hazard Category: Immediate Health Hazard Section 313 Toxic Chemicals: None State Regulations: None Known									
DSD (EEC)		<u>Controlled Product Hazard Class:</u>									
International Regulations Lists											
Hazardous Material Information System (U.S.A.)	<table border="1"> <tr> <td>Health</td> <td>3</td> <td>National Fire Protection Association (U.S.A.)</td> </tr> <tr> <td>Flammability</td> <td>0</td> <td></td> </tr> <tr> <td>Physical Hazard</td> <td>1</td> <td></td> </tr> </table>	Health	3	National Fire Protection Association (U.S.A.)	Flammability	0		Physical Hazard	1		<p>Specific Hazard</p>
Health	3	National Fire Protection Association (U.S.A.)									
Flammability	0										
Physical Hazard	1										
The Hazard Ranking systems presented on this MSDS provide only a quick reference for hazard information. The ENTIRE MSDS must be consulted to determine any specific hazards, First Aid measures, and PPE associated with this product.											

Section 16. Other Information

Prepared by Tom Stratil	Verified by Tom Stratil
Date of Issue:	1/1/2019
Information Contact	Acme Soap Company 4351 DIRECTOR DR. San Antonio, TX 78219

Notice to Reader
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Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.