

TILE PRO ALKALI

1: PRODUCT AND COMPANY IDENTIFICATION

Product: **Product Number: 200207 (3x5L)**

Name: Tile Pro Alkali

Recommended Use: Highly concentrated degreaser detergent
Ready to Use
Product intended for commercial and industrial use only

Uses Advised Against: Other than per labelled instructions

Manufacturer Address:
Surface Cleaning
Innovations, LLC.
10445 Cogdill Rd.
Knoxville, TN 37932

Telephone: 865-343-0712
Email: orders@sciclean.com
Internet: www.sciclean.com

FOR CHEMICAL EMERGENCY: Spill, Leak, Fire, Exposure of Accident. Call CHEMTREC Day or Night.
Within USA and Canada 1-800-424-9300. Outside USA and Canada 1-703-527-3887 (collect calls accepted)

2: HAZARDS IDENTIFICATION

Classification: Skin Corrosion (Category 1), Metal Corrosion (Category 1)

Signal Word: DANGER

Pictogram: None

Hazard Statements: H290 May be corrosive to metals, H314 - Causes severe skin burns & eye damage

Precautionary Statements: P234 Keep only in original container
P260 Don't breathe dusts or mists
P264 Wash hands thoroughly after using
P280 Wear protective gloves/protective clothing and eye protection

Response Statements: P301+ IF SWALLOWED: Rinse mouth. DO NOT induce vomiting.
P330+
P331
P303+ IF ON SKIN: Take off immediately all contaminated clothing. Rinse skin w/water.
P361+
P353
P304+ IF INHALED: Remove victim to fresh air & keep at rest in a position comfortable breathing.
P305+ IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P351+
P338
P310 Immediately call a POISON CENTRE or doctor/physician.
P363 Wash contaminated clothing before reuse
P390 Absorb spillage to prevent material damage.
P405 Store locked up

Storage Statements: P501 Dispose of container as per local regulations.

Disposal Statements: 8.1A Substances that are corrosive to metals
8.2C Substances that are corrosive to dermal tissue
8.3A Substances that are corrosive to ocular tissue

HSNO Classifications:

Supplemental Information: None

3: COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient	CAS Number	Weight %*
Sodium Hydroxide	1310-73-2	30 - 60
Ingredients deemed no to be hazardous	N/A	To 100

* Exact concentration of the ingredients has been withheld as a trade secret.

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4: COMPOSITION/INFORMATION ON INGREDIENTS

DESCRIPTION OF FIRST AID MEASURES:

Eye Contact:	Hold eyelids apart and flush the eye continuously with running water. Immediately call a Poison Centre or doctor/physician.
Skin Contact:	Remove contaminated clothing and flush skin and hair with running water. If skin irritation occurs seek medical advice. Wash contaminated clothing before reuse.
Inhalation:	Remove to fresh air.
Ingestion:	DO NOT induce vomiting. Give water to drink if conscious. For advice, contact a Poisons Information Centre or a doctor/physician.
Advice to Doctor	Treat symptomatically for highly alkaline detergent
First Aid Facilities	Ensure an eye wash is available and ready for use
Additional Information	No aggravated medical conditions are known to be caused by exposure to this product

MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED:

Eye Contact:	not expected under normal use.
Skin Contact:	not expected under normal use.
Inhalation:	not expected under normal use.
Ingestion:	not expected under normal use.

5: FIRE-FIGHTING MEASURES

<u>Suitable Extinguishing Media:</u>	Solution does not burn. Use extinguishing media suited to the materials that are burning. eg. Dry chemical, CO2 or water spray.
<u>Hazards From Combustion</u>	Carbon Dioxide, carbon monoxide, nitrogen oxides and other toxic gases may be produced in the case of fire or during thermal decomposition. Corrosive alkali vapours may be present.
<u>Products:</u>	
<u>Protective Equipment and Precautions:</u>	Fire-Fighters must wear full protective clothing including self-contained breathing apparatus and chemical splash suit. Ensure that no spillage enters drains or water courses. Remove from the vicinity containers not involved in the fire.
<u>Additional Information:</u>	Hazchem Code - 2R May generate flammable hydrogen gas if in contact with zinc, tin, magnesium or aluminium.

6: ACCIDENTAL RELEASE MEASURES:

<u>Emergency Procedure:</u>	SAA/SNZ HB76: Dangerous Goods - Initial Emergency Response Guide (Guide 37) - for large volumes.
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CONTAINMENT AND CLEAN-UP:

<u>Spills/Clean-up:</u>	Clean-up personnel should wear full protective clothing. Restrict access until completion of clean-up. Then ensure adequate ventilation. Stop leak if safe to do so. Contain spill with absorbent material, such as towelling, sand, vermiculite or other inert material. Prevent spill entering storm water drains or waterways. Collect and dispose of clean-up material according to local regulations. Wash away remnants with copious amounts of cold water to sewer. Clean area by working from the periphery to the centre of spill or from the edge of the room to the centre.
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7: HANDLING AND STORAGE

<u>Precautions for Safe Handling:</u>	Contact DPM for advice when using this product for any application other than that outlined on the label or technical bulletin. Any non-intended or non-authorized use of this product may result in personal injury or damage to equipment. Store product in original container. Wash thoroughly after handling product.
<u>Conditions for Safe Storage:</u>	Store in cool, dry, well ventilated area. Keep container tightly sealed. Store below 30C.
<u>Other Information:</u>	N/A

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8: EXPOSURE CONTROLS/PERSONAL PROTECTION

<u>Ingredient</u>	<u>CAS No.</u>	<u>ES-TWA</u>	<u>ES-STEL</u>
Sodium Hydroxide	1310-73-2	2mg/m ³	Not Available
Exposure Limits:	No data available		
Engineering Controls:	Use only in a well ventilated area. controls to maintain airborne contaminants below established and recommended exposure limits. If this product contains ingredients with exposure limits, monitoring may be required to determine the effectiveness of ventilation and other control measures.		
Personal Protective Equipment (PPE):			
Eye/ Face Protection:	Safety glasses/face shield/chemical resistant goggles should be worn.		
Skin Protection:	Use Nitrile gloves or similar. Enclosed footwear should be worn.		
Respiratory Protection:	Respirator is not usually necessary, but if required use half-face filter respirator suitable for organix vapors.		
Hygiene Measures:	Handle in accordance with good industrial hygiene and safety practice.		

9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear brown liquid
Odor:	Characteristic
Odor Threshold:	Data not available
pH:	>14
Freezing Point:	Approx. 0°C
Boiling Point:	Approx. 100°C
Flash Point:	Data not available
Evaporation Rate:	Data not available
Flammability (solid/gas):	Data not available
Upper/Lower Flammability Limits:	Data not available
Vapor Pressure:	Data not available
Vapor Density:	Data not available
Relative Density:	1.31
Solubility:	Miscible in water
Partition Coefficient:	Data not available
Auto Ignition Temperature:	Data not available
Coefecient:	n-octanol/water
Decomposition Temperature:	Data not available
Viscosity:	Approx. 50 cPs

10: STABILITY AND REACTIVITY

Stability:	Product is stable and will not undergo any hazardous reactions under normal conditions of use and storage.
Hazardous Reactions:	May react with aluminium, tin and zinc to produce flammable hydrogen gas.
Conditions to Avoid:	None known
Incompatible Materials:	Incompatiblew with aluminium, tin, zinc, magnesium and their alloys. Also incompatible with acid, fertilizers, chlorinating compounds, brominated compounds and nitrated hydrocarbons.

11: TOXICOLOGICAL INFORMATION

Hazardous Decomposition Products:	None known
Acute Toxicity:	Sodium Hydroxide: LD50 40mg/kg (Intraperitoneal, mouse RTECS WB4900000 Tetrasodium EDTA: LD50 330mg/kg (Intraperitoneal, mouse RTECS AH5075000)

LOCAL EFFECTS:

Skin contact:	Causes irritation, pain & reddening on contact. Serious burns may result if affected area is not immediately washed with water.	LOCAL EFFECTS: Carcinogenicity:	Data not available
Eye contact:	Causes irritation, pain & reddening on contact. Serious permanent eye damage may result if not treated immediately.	Reproductive effects:	Data not available

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Sensitization:	Data not available	Specific Target Organ Toxicity - Single Exposure & Repeated Exposure:	Data not available
Aspiration Hazard	Data not available	Mutagenicity:	Data not available

12: ECOLOGICAL INFORMATION

Ecotoxicity:	Data not available.
Persistence and Degradability:	Data not available.
Bioaccumulative Potential:	Data not available.
Mobility in Soil:	Data not available.
Other Adverse Effects:	Data not available.

13: DISPOSAL CONSIDERATIONS

Disposal to sewer is normally recommended with copious amounts of water. Refer to State/Territory Land Waste Management Authorities if applicable. Containers are recyclable and can be disposed of by a licensed waste contractor. Containers can be disposed of to general waste or rinsed thoroughly and recycled.

Special Precautions: Suitable for incineration by approved agent.

14: TRANSPORT INFORMATION

This product is classified as Dangerous Goods by the Australian Dangerous Goods Code (ADG Code).

UN Number:	1719
UN Proper Shipping Name:	CAUSTIC ALKALI LIQUID, N.O.S. (Sodium Hydroxide)
Hazard Class:	8 - Corrosive
Packing Group:	II
Special Precautions for user:	N/A
Hazchem Code	2R

15: REGULATORY INFORMATION

Poisons Schedule (SUSDP): N/A
HSNO Approval Code: HSR002526
All ingredients are listed in Australia Inventory of Chemical Substances (AICS).
This document has been produced in accordance with the requirements of the Globally Harmonised System of Classification and Labelling.

16: OTHER INFORMATION

Abbreviations Used:
N/A - Not Applicable
N/E - Not Established
N/L - Not Listed
* - listed as generic class Glycol Ethers
*** - No RQ assigned, although a CERCLA hazardous substance

Revision Information:
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This SDS has been provided to you in accordance with the OSHA Hazard Communication Standard (29CFR1910.1200).

****IMPORTANT SAFETY INFORMATION**DO NOT DISCARD**PLEASE ROUTE TO COMPANY SAFETY OFFICER****