





# SAFETY DATA SHEET

## 1. Product and Company Identification

<b>PRODUCT NUMBER:</b>	3099701	<b>COMPANY PHONE:</b>	1-800-241-8180
<b>PRODUCT NAME:</b>	KON KLEEN II	<b>EMERGENCY TELEPHONE:</b>	1-800-535-5053
<b>PRODUCT DESCRIPTION:</b>	Powder Concrete Cleaner	<b>INFOTRAC:</b>	1-800-535-5053
<b>COMPANY INFORMATION:</b>	<b>PRO CHEM, INC.</b> 1475 Bluegrass Lakes Parkway Alpharetta, GA 30004		

## 2. Hazards Identification

<b>GHS CLASSIFICATION:</b> Acute toxicity – Oral - Category 4 Acute toxicity - Inhalation (Dusts/Mists) - Category 4 Skin corrosion/irritation - Category 1 <b>Sub-category C</b> Serious eye damage/eye irritation - Category 1 Specific target organ toxicity (single exposure) - Category 3	<b>SIGNAL WORD:</b> <b>DANGER</b>	<b>SYMBOL:</b>		
---	--------------------------------------	----------------	---	---

**Appearance:** Yellow powder      **Physical State:** Solid      **Odor:** Citrus

### HAZARD STATEMENTS:

Harmful if swallowed. Harmful if inhaled. Causes severe skin burns and eye damage. May cause respiratory irritation.

### PRECAUTIONARY STATEMENTS:

**Prevention:** Wash face, hands and any exposed skin thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Do not breathe dust/fume/gas/mist/vapors/spray. Wear protective gloves/protective clothing/eye protection/face protection.

**Response:** Immediately call a doctor/physician.

**IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a doctor/physician.

**IF ON SKIN (or hair):** Remove/Take off 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 doctor/physician.

**IF SWALLOWED:** Call a doctor/physician if you feel unwell - Rinse mouth - **Do not induce vomiting**

**Storage:** Store locked up. Store in a well-ventilated place. Keep container tightly closed.

**Disposal:** Dispose of contents/container to an approved waste disposal plant.

## 3. Composition / Information on Ingredients

Chemical Name	CAS	Concentration % by Weight
Sodium Metasilicate	6834-92-0	40-50
Sodium carbonate	497-19-8	40-50

\*\*If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.\*\*

## 4. First Aid Measures

### EMERGENCY OVERVIEW

**EYES:** Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Immediately call a doctor/physician.

**SKIN:** **IF ON SKIN (or hair):** Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse. If skin irritation persists, call a physician.

### INHALATION:

Remove to fresh air. If breathing is difficult, give oxygen. Call a physician immediately.

### INGESTION:

**Do not induce vomiting.** Rinse mouth. Give water to conscious/alert person. Call a poison center or doctor/physician if you feel unwell.

### MOST IMPORTANT SYMPTOMS/EFFECTS, ACUTE AND DELAYED:

**Symptoms:** Causes severe skin burns and eye damage. May cause respiratory irritation. Can cause damage to mucous membranes.

### INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED:

**Notes to Physician:** Treat symptomatically.

## 5. Fire-Fighting Measures

### SUITABLE FIRE EXTINGUISHING MEDIA:

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

### UNSUITABLE FIRE EXTINGUISHING MEDIA:

Not determined.

### SPECIFIC HAZARDS ARISING FROM THE CHEMICAL:

Corrosive material. Concentrated product can react with aluminum, zinc and magnesium to release hydrogen gas, which can form explosive mixtures.

### HAZARDOUS COMBUSTION PRODUCTS:

Silicon oxides.

### SPECIAL PROTECTIVE EQUIPMENT FOR FIREFIGHTERS:

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

## 6. Accidental Release Measures

### PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES:

**Personal Precautions:** Refer to protective measures listed in Sections 7 and 8. Avoid creating dust.

**Environmental Precautions:** Prevent from entering into soil, ditches, sewers, waterways and/or groundwater. See Section 12, Ecological Information. See Section 13: DISPOSAL CONSIDERATIONS.

### METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP:

**Methods for Containment:** Prevent further leakage or spillage if safe to do so.

**Methods for Clean-Up:** Sweep up and shovel into suitable containers for disposal.

## 7. Handling and Storage

### PRECAUTIONS FOR SAFE HANDLING:

**Advice on Safe Handling:** Handle in accordance with good industrial hygiene and safety practice. Use personal protection recommended in Section 8. Do not breathe dust/fume/gas/mist/vapors/spray. Wash face, hands and any exposed skin thoroughly after handling. Avoid contact with skin, eyes or clothing. Do not eat or drink while handling this material. Use only outdoors or in a well-ventilated area.

### CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES:

**Storage Conditions:** Keep containers tightly closed in a dry, cool and well-ventilated place. Keep locked up and out of reach of children. Store at ambient conditions. Store away from incompatible materials. Store locked up.

**Incompatible Materials:** Acids. Strong oxidizers.

## 8. Exposure Controls / Personal Protection

### EXPOSURE GUIDELINES:

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Sodium Metasilicate 6834-92-0	2 mg/m <sup>3</sup>	2 mg/m <sup>3</sup>	-
Ethylene Glycol Monobutyl Ether 111-76-2	TWA: 20 ppm	TWA: 50 ppm TWA: 240 mg/m <sup>3</sup> (vacated) TWA: 25 ppm (vacated) TWA: 120 mg/m <sup>3</sup> (vacated) S* S*	IDLH: 700 ppm TWA: 5 ppm TWA: 24 mg/m <sup>3</sup>

### PERSONAL PROTECTIVE EQUIPMENT:



**Eye/Face Protection:** Chemical splash goggles.

**Skin/Body Protection:** Wear suitable protective clothing.

**Respiratory Protection:** Ensure adequate ventilation, especially in confined areas. In case of inadequate ventilation wear respiratory protection.

**General Hygiene Considerations:** Handle in accordance with good industrial hygiene and safety practice. Wash face, hands and any exposed skin thoroughly after handling.

### APPROPRIATE ENGINEERING CONTROLS:

**Engineering Controls:** Ensure adequate ventilation, especially in confined areas. Eyewash stations. Showers.

## 9. Physical & Chemical Properties

<b>Appearance:</b>	Yellow powder	<b>Flammability(solid/gas):</b>	Not determined.
<b>Physical State:</b>	Solid	<b>Flammability Limit-lower (%):</b>	Not determined.
<b>Color:</b>	Yellow	<b>Flammability Limit-upper (%):</b>	Not determined.
<b>Odor:</b>	Citrus	<b>Explosive Properties:</b>	Not determined.
<b>Odor Threshold:</b>	Not determined.	<b>Oxidizing Properties:</b>	Not determined.
<b>pH:</b>	12.9	<b>Vapor Density:</b>	Not determined.
<b>Melting/Freezing Point:</b>	Not determined.	<b>Vapor Pressure:</b>	Not determined.
<b>Boiling Point/Range:</b>	Not determined.	<b>Solubility in other Solvents:</b>	Not determined.
<b>Kinematic Viscosity:</b>	Not determined.	<b>Solubility (water):</b>	Completely soluble.
<b>Dynamic Viscosity:</b>	Not determined.	<b>Auto-Ignition Temp:</b>	Not determined.
<b>Flash Point:</b>	Not determined.	<b>Decomposition Temp:</b>	500°F
<b>Specific Gravity:</b>	Not determined.	<b>Partition Coeff(n-octanol/water):</b>	Not determined.
<b>Evaporation Rate:</b>	Not determined.	<b>VOC Content (%):</b>	2.0

## 10. Stability & Reactivity Information

### REACTIVITY:

Not reactive under normal conditions.

### CHEMICAL STABILITY:

Stable under recommended storage conditions.

### POSSIBILITY OF HAZARDOUS REACTIONS:

None under normal processing.

**Hazardous Polymerization:** Hazardous polymerization does not occur.

### CONDITIONS TO AVOID:

Keep out of reach of children. Contact with incompatible materials.

### INCOMPATIBLE MATERIALS:

Acids. Strong oxidizers.

### HAZARDOUS DECOMPOSITION PRODUCTS:

Silicon oxides.

## 11. Toxicological Information

### INFORMATION ON LIKELY ROUTES OF EXPOSURE:

**Inhalation:** Harmful if inhaled.

**Skin Contact:** Causes severe skin burns.

**Eye Contact:** Causes severe eye damage.

**Ingestion:** Harmful if swallowed.

### COMPONENT INFORMATION:

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Sodium Metasilicate 6834-92-0	= 600 mg/kg (Rat)	-	-
Sodium carbonate 497-19-8	= 4090 mg/kg (Rat)	-	-
nonylphenol ethoxylate 9016-45-9	= 2590 mg/kg (Rat) = 1310 mg/kg (Rat)	= 1780 µL/kg (Rabbit) = 2 mL/kg (Rabbit)	-
Ethylene Glycol Monobutyl Ether 111-76-2	= 470 mg/kg (Rat)	= 2270 mg/kg (Rat) = 220 mg/kg (Rabbit)	= 2.21 mg/L (Rat) 4 h = 450 ppm (Rat) 4 h

### INFORMATION ON PHYSICAL, CHEMICAL AND TOXICOLOGICAL EFFECTS:

**Symptoms:** Please see Section 4 of this SDS for symptoms.

### DELAYED AND IMMEDIATE EFFECTS AS WELL AS CHRONIC EFFECTS FROM SHORT AND LONG-TERM EXPOSURE:

**Carcinogenicity:** Not classifiable as a human carcinogen.

Chemical Name	ACGIH	IARC	NTP	OSHA
Ethylene Glycol Monobutyl Ether (111-76-2)	A3	Group 3		

#### Legend:

**ACGIH (American Conference of Governmental Industrial Hygienists)**

A3 - Animal Carcinogen

**IARC (International Agency for Research on Cancer)**

Group 3 IARC components are "not classifiable as human carcinogens"

#### STOT - SINGLE EXPOSURE:

May cause respiratory irritation.

#### NUMERICAL MEASURES OF TOXICITY:

Not determined.

## 12. Ecological Information

### ECOTOXICITY:

The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

### COMPONENT INFORMATION:

Chemical Name	Algae/Aquatic Plants	Fish	Toxicity to Microorganisms	Crustacea
Sodium Metasilicate 6834-92-0		210: 96 h Brachydanio rerio mg/L LC50 semi-static 210: 96 h Brachydanio rerio mg/L LC50		216: 96 h Daphnia magna mg/L EC50
Sodium carbonate 497-19-8	242: 120 h Nitzschia mg/L EC50	300: 96 h Lepomis macrochirus mg/L LC50 static 310 - 1220: 96 h Pimephales promelas mg/L LC50 static		265: 48 h Daphnia magna mg/L EC50
Ethylene Glycol Monobutyl Ether 111-76-2		1490: 96 h Lepomis macrochirus mg/L LC50 static 2950: 96 h Lepomis macrochirus mg/L LC50		1698 - 1940: 24 h Daphnia magna mg/L EC50 1000: 48 h Daphnia magna mg/L EC50

### PERSISTENCE AND DEGRADABILITY:

Biodegradable.

### BIOACCUMULATIVE POTENTIAL:

Not determined.

### MOBILITY IN SOIL:

Chemical Name	Partition Coefficient
Ethylene Glycol Monobutyl Ether 111-76-2	0.81

### OTHER ADVERSE EFFECTS:

Not determined.

## 13. Disposal Consideration

### WASTE TREATMENT METHODS:

**Disposal of Wastes:** Disposal should be in accordance with applicable regional, national and local laws and regulations.

**Contaminated Packaging:** Disposal should be in accordance with applicable regional, national and local laws and regulations.

### California Hazardous Waste Status:

Chemical Name	Partition Coefficient
Sodium carbonate 497-19-8	Corrosive

#### 14. Transportation Information

**Note:** Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

**DOT** **UN/ID No:** UN1759  
**Proper Shipping Name:** Corrosive solid, n.o.s. (Sodium Metasilicate, Sodium Carbonate)  
**Hazard Class:** 8  
**Packing Group:** III

**IATA** **UN/ID No:** UN1759  
**Proper Shipping Name:** Corrosive solid, n.o.s. (Sodium Metasilicate, Sodium Carbonate)  
**Hazard Class:** 8  
**Packing Group:** III

**IMDG** **UN/ID No:** UN1759  
**Proper Shipping Name:** Corrosive solid, n.o.s. (Sodium Metasilicate, Sodium Carbonate)  
**Hazard Class:** 8  
**Packing Group:** III

#### 15. Regulatory Information

##### INTERNATIONAL INVENTORIES:

Chemical Name	TSCA	DSL	NDSL	EINECS	ELINCS	ENCS	IECSC	KECL	PICCS	AICS
Sodium Metasilicate	Present	X		Present		Present	X	Present	X	X
Sodium carbonate	Present	X		Present		Present	X	Present	X	X

##### Legend:

*TSCA* - United States Toxic Substances Control Act Section 8(b) Inventory

*DSL/NDSL* - Canadian Domestic Substances List/Non-Domestic Substances List

*EINECS/ELINCS* - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

*ENCS* - Japan Existing and New Chemical Substances

*IECSC* - China Inventory of Existing Chemical Substances

*KECL* - Korean Existing and Evaluated Chemical Substances

*PICCS* - Philippines Inventory of Chemicals and Chemical Substances

*AICS* - Australian Inventory of Chemical Substances

##### US FEDERAL REGULATIONS:

**CERCLA:** This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355).

##### SARA 311/312 Hazard Categories:

This material, as supplied, does not contain any substances subject to the requirements of SARA Sections 311/312 (40 CFR 370)

##### SARA 313:

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

Chemical Name	CAS No	Weight-%	SARA 313 - Threshold Values %
Ethylene Glycol Monobutyl Ether - 111-76-2	111-76-2	<1	1.0

##### US STATE REGULATIONS:

**California Proposition 65:** This product does not contain any Proposition 65 chemicals.

##### U.S. State Right-to-Know Regulations:

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Ethylene Glycol Monobutyl Ether 111-76-2	X	X	X

#### 16. Other Information

##### DISCLAIMER:

To the best of our knowledge, information contained herein is accurate. However, there is no assumption of liability for the accuracy or completeness of the information contained herein. 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 hazard, which exists. The information contained in this SDS was obtained from current and reliable sources; however, the data is provided without any warranty, expressed or implied, regarding its correctness or accuracy. Since the conditions or handling, storage and disposal of this product are beyond the control of the manufacturer, the manufacturer will not be responsible for loss, injury, or expense arising out of the products improper use. No warranty, expressed or inferred, regarding the product described in this SDS shall be created or inferred by any statement in this SDS. Various government agencies may have specific regulations regarding the transportation, handling, storage, use, or disposal of this product, which may not be covered by this SDS. The user is responsible for full compliance.