SAFETY DATA SHEET
Petromax PSC-3

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1. PRODUCT AND COMPANY IDENTIFICATION

Product Code: PETROM-003-275

Product Name: Petromax PSC-3

Company Name: Petromax Technologies, LLC.
1327 Preston Way
Los Angeles, CA 90291

Phone Number: +1 (530)990-2123

Emergency Contact: CHEMTREC

Phone Number: +1 (800)424-9300

2. HAZARDS IDENTIFICATION

Serious Eye Damage/Eye Irritation, Category 2
Acute Toxicity: Oral, Category 4
Skin Corrosion/Irritation, Category 1C

GHS Signal Word: **Danger**

GHS Hazard Phrases:
H302 - Harmful if swallowed.
H314 - Causes severe skin burns and eye damage.

GHS Precaution Phrases:
P102 - Keep out of reach of children.
P103 - Read label before use.
P260 - Do not breathe dust/fume/gas/mist/vapors/spray.
P264 - Wash hands thoroughly after handling.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P262 - Do not get in eyes, on skin, or on clothing.

GHS Response Phrases:
P304+340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P342 - If experiencing respiratory symptoms:
P313 - Get medical advice/attention.
P305+351+338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing for 15 minutes. P315 - Get immediate medical advice/attention.
P303 - IF ON SKIN (or hair): P361 - Remove/Take off immediately all contaminated clothing. P353 - Rinse skin with water/shower. P352 - Wash with plenty of water for 15 minutes. P332+313 - If skin irritation occurs, get medical advice/attention. P363 - Wash contaminated clothing before reuse.
P301+330+331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. P315 - Get immediate medical advice/attention.

GHS Storage and Disposal Phrases: P501 - Dispose of contents/container in accordance to local, state and federal regulations.

OSHA Regulatory Status: This material is classified as hazardous under OSHA regulations.

Inhalation: May cause respiratory tract irritation. May be harmful if inhaled.

Skin Contact: Causes skin irritation. May be harmful if absorbed through the skin.

Eye Contact: Causes eye irritation. Causes eye burns.

Ingestion: May cause irritation of the digestive tract. Harmful if swallowed.

3. COMPOSITION/INFORMATION ON INGREDIENTS

CAS #	Hazardous Components (Chemical Name)	Concentration
6834-92-0	Sodium metasilicate	<10.0 %
1310-73-2	Sodium hydroxide	< 2.0 %
111-76-2	Glycol Ether EB	< 2.0 %
497-19-8	Sodium carbonate	< 5.0 %

4. FIRST AID MEASURES

Emergency and First Aid Procedures:

In Case of Inhalation: Remove from exposure and move to fresh air immediately. Get medical aid.

In Case of Skin Contact: Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical aid immediately. Wash clothing before reuse.

In Case of Eye Contact: Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Remove contact lenses, if present and easy to do. Continue rinsing. Get immediate medical advice/attention.

In Case of Ingestion: Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. If victim is conscious and alert, give 2-4 cupfuls of water. Get medical attention immediately.

Note to Physician: Treat symptomatically and supportively. Show this safety data sheet to the doctor in attendance.

5. FIRE FIGHTING MEASURES

Flash Pt: NP

Explosive Limits: LEL: No data. UEL: No data.

Autoignition Pt: NA

Suitable Extinguishing Media: Substance is noncombustible; use agent most appropriate to extinguish surrounding fire. Use water spray, dry chemical, carbon dioxide, or appropriate foam.

Fire Fighting Instructions: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear.
The product itself does not burn.

Flammable Properties and Hazards: No data available.

Hazardous Combustion Products: No data available.

6. ACCIDENTAL RELEASE MEASURES

Protective Precautions, Protective Equipment and Emergency Procedures: Use proper personal protective equipment as indicated in Section 8.

Environmental Precautions: Observe all federal, state, and local environmental regulations. Do not let product enter drains, sewers, watersheds or water systems.

Steps To Be Taken In Case Material Is Released Or Spilled: Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container. Clean up spills immediately, observing precautions in the Protective Equipment section.

7. HANDLING AND STORAGE

Precautions To Be Taken in Handling: Do not get in eyes, on skin, or on clothing. Do not ingest or inhale.

Precautions To Be Taken in Storing: Keep away from acids. Keep container tightly closed in a dry and well-ventilated place.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
6834-92-0	Sodium metasilicate	No data.	No data.	No data.
1310-73-2	Sodium hydroxide	PEL: 2 mg/m3	CEIL: 2 mg/m3	No data.
111-76-2	Glycol Ether EB	PEL: 50 ppm	TLV: 20 ppm	No data.
497-19-8	Sodium carbonate	No data.	No data.	No data.

CAS #	Chemical Name	Jurisdiction	Recommended Exposure Limits	Notations
1310-73-2	Sodium hydroxide	California, USA PELs	CEIL: 2 mg/m3 ()	
		NIOSH	CEIL: 2 mg/m3	
111-76-2	Glycol Ether EB	California, USA PELs	TWA: 97 mg/m3 (20 ppm)	
		NIOSH	TWA: 5 ppm	

Respiratory Equipment (Specify Type): A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements or European Standard EN 149 must be followed whenever workplace conditions warrant respirator use.

Eye Protection: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

Protective Gloves: Wear appropriate protective gloves to prevent skin exposure. Rubber or neoprene gloves.

Other Protective Clothing: Wear appropriate protective clothing to prevent skin exposure.

Engineering Controls (Ventilation etc.): Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

Work/Hygienic/Maintenance Practices: Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical States: [ ] Gas [X] Liquid [ ] Solid

Appearance and Odor: Light brown.
Transparent.

pH: No data.

Melting Point: NP

Boiling Point: NP

Flash Pt: NP

Evaporation Rate: NP

Flammability (solid, gas): No data available.

Explosive Limits: LEL: No data. UEL: No data.

Vapor Pressure (vs. Air or mm Hg): NP

Vapor Density (vs. Air = 1): NP

Specific Gravity (Water = 1):	1.08 - 1.10
Density:	NA
Bulk density:	NA
Solubility in Water:	100%
Saturated Vapor Concentration:	NP
Octanol/Water Partition Coefficient:	No data.
Autoignition Pt:	NA
Decomposition Temperature:	NA
Viscosity:	NP
Particle Size:	NA
Heat Value:	NA

10. STABILITY AND REACTIVITY

Stability:	Unstable [ ] Stable [X]
Conditions To Avoid - Instability:	Incompatible materials, Excess heat.
Incompatibility - Materials To Avoid:	Acids, Strong oxidizing agents. Contact of this product with many "active" metals such as aluminum, tin, copper, zinc, and most alloys can cause formation of flammable hydrogen gas.
Hazardous Decomposition or Byproducts:	No data available.
Possibility of Hazardous Reactions:	Will occur [ ] Will not occur [X]
Conditions To Avoid - Hazardous Reactions:	No data available.

11. TOXICOLOGICAL INFORMATION

Toxicological Information:

Epidemiology: No information found.
Teratogenicity: Teratogenic effects have occurred in experimental animals.
Reproductive Effects: No information available.
Mutagenicity: No information available.
Neurotoxicity: No information available.

CAS# 6834-92-0: Sodium metasilicate: Acute toxicity, LD50, Oral, Mouse, 770.0 MG/KG. Result: Blood:Tumors. Immunological Including Allergic: Autoimmune (multiple organ involvement).
Standard Draize Test, Skin, Human, 250.0 MG, 24 H. Result: Lungs, Thorax, or Respiration: Bronchiolar constrictionn, including asthma.
Standard Draize Test, Skin, Species: Rabbit, 250.0 MG, 24 H. Result: Lungs, Thorax, or Respiration:Other changes.

Irritation or Corrosion:

Other Studies: CAS# 497-19-8:
Acute toxicity, LD50, Oral, Rat, 4090 mg/kg

Other Studies: CAS# 497-19-8:
Standard Draize Test, Skin, Species: Rabbit, 500.0 mg, 24H
Standard Draize Test, Eyes, Species: Rabbit, 100.0 mg, 24H

Other Studies: CAS# 111-76-2:
Acute toxicity, LC50, Inhalation, Rat, 450.0 ppm, 4 H.
Acute toxicity, LD50, Oral, Rat, 470.0 mg/kg
Acute toxicity, LD50, Skin, Rabbit, 220.0 mg/kg

Other Studies: CAS# 111-76-2:
Standard Draize Test, Eyes, Species: Rabbit, 100.0 mg, 24 H

Other Studies: CAS# 1310-73-2
Acute toxicity, LD50, Oral, Mouse, 5800mg/kg.

Other Studies: CAS# 1310-73-2
Standard Draize Test, Eyes, Species: Rabbit, 400.0 ug

Other Studies: CAS# 6834-92-0:
Acute toxicity, LD50, Oral, Rat, 1000 mg/kg

Other Studies: CAS# 6834-92-0:
Standard Draize Test, Skin, Species: Rabbit, 250.0 mg, 24H

Carcinogenicity/Other Information:

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Carcinogenicity: NTP? No IARC Monographs? No OSHA Regulated? No

12. ECOLOGICAL INFORMATION

General Ecological Information:

Environmental: No information available.
Physical: No information available.

CAS# 6834-92-0: Sodium metasilicate: LC50, Zebra Danio (Danio rerio), 210.0 MG\L, 96 H. Result: Loss of equilibrium.

Results of PBT and vPvB assessment:

Other Studies: CAS# 111-76-2:
LC50, Water Flea (Daphnia magna), 1720 mg/l, 24 H, Intoxication
LC50, Common Shrimp, Sand Shrimp (Crangon crangon), 775000 ug/l, 96 H, Mortality
LC50, Amphipod (Chaetogammarus marinus), young organism(s), 1000 mg/l, 24 H, Mortality
LC50, Carp (Leuciscus idus ssp. melanotus), 1575 mg/l, 48 H, Mortality
Effective concentration to 0% of test organisms, Blue-Green Algae (Microcystis

aeruginosa),156000 ug/L,Population

Other Studies: CAS# 1310-73-2:
LC50, Common Shrimp, Sand Shrimp (Crangon crangon), adult(s), 33000 - 100000 ug/L, 48H, Mortality
LC50, Western Mosquitofish (Gambusia affinis), adult(s), 125000 ug/L, 96H, Mortality
LC50, Cockle (Cerastoderma edule), adult(s) 330000 - 1000000 ug/L, 48H, Mortality
LC50, Guppy (Poecilia reticulata)}, young organism(s), 196.0 mg/L, 96H, Mortality

Other Studies: CAS# 497-19-8:
LC50, Water Flea (Daphnia magna), 265,000 ug/L, 48H
LC50, Fathead Minnow (Pimephales promelas), 850,000 ug/L, 96H
LC50, Western Mosquitofish (Gambusia affinis), adult(s), 740000 ug/L, 96H

Persistence and Degradability: No data available.

Bioaccumulative Potential: No data available.

Mobility in Soil: No data available.

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method: Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification. Observe all federal, state, and local environmental regulations.

14. TRANSPORT INFORMATION

LAND TRANSPORT (US DOT):

DOT Proper Shipping Name: Corrosive liquid, basic, inorganic, n.o.s.(Sodium Metasilicate, Sodium Hydroxide)
DOT Hazard Class: 8 CORROSIVE
UN/NA Number: UN3266 **Packing Group:** III

15. REGULATORY INFORMATION

EPA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists

CAS #	Hazardous Components (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)
6834-92-0	Sodium metasilicate	No	No	No
1310-73-2	Sodium hydroxide	No	Yes 1000 LB	No
111-76-2	Glycol Ether EB	No	No	Yes-Cat. N230
497-19-8	Sodium carbonate	No	No	No

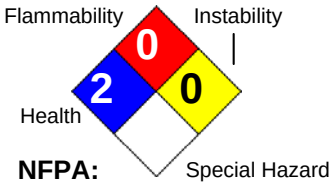
CAS #	Hazardous Components (Chemical Name)	Other US EPA or State Lists
6834-92-0	Sodium metasilicate	CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No; CA TAC, Title 8: No; MA Oil/HazMat: No; MI CMR, Part 5: No; NJ EHS: No; NY Part 597: No; PA HSL: No
1310-73-2	Sodium hydroxide	CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No; CA TAC, Title 8: TAC, Title 8; MA Oil/HazMat: Yes; MI CMR, Part 5: Part 5; NJ EHS: No; NY Part 597: Yes; PA HSL: Yes - E
111-76-2	Glycol Ether EB	CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No;

		CA TAC, Title 8: TAC, Title 8; MA Oil/HazMat: Yes; MI CMR, Part 5: Yes - Cat.; NJ EHS: Yes - Cat.; NY Part 597: No; PA HSL: Yes - 1
497-19-8	Sodium carbonate	CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No; CA TAC, Title 8: No; MA Oil/HazMat: No; MI CMR, Part 5: No; NJ EHS: No; NY Part 597: No; PA HSL: No

16. OTHER INFORMATION

Revision Date: 08/23/2017

Hazard Rating System:



Additional Information About This Product: No data available.

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