

**1. Identification**

Name of the product: Joe Glo  
 Recommended use: Cleaning coffee makers.  
 Use not recommended: Direct use on aluminum cook ware or utensils.  
 Company: JoeGlo/Pallo Coffeetool  
 P.O. Box 2423  
 Mill Valley, CA 94942  
 Telephone: 415-381-2079  
 Internet contacts: info@joeglo.com, info@coffeetool.com  
 Emergency Number: Chemtrec 800-424-9300

**2. Hazard(s) identification**

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

OSHA Hazards: Irritation, Eye, Cat. 2; Irritation, Skin Cat. 2, Environment, Cat. 2

**GHS Label elements, including precautionary statements**

Signal word: Warning

Pictogram: Exclamation point.



H302 Harmful if swallowed.

H315 Causes skin irritation

H319 Causes serious eye irritation

Keep out of surface waterways.

**Precautionary statements**

P260 Do not breathe dust or mist.

P264 Wash skin thoroughly after handling.

P280 Wear protective gloves/ eye protection/ face protection.

P281 Use personal protective equipment as required

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337 + P313 If eye irritation persists: Get medical advice or attention.

P301 + P312 IF SWALLOWED: Call a POISON CENTER or doctor/ physician if you feel unwell.

P303 + P361 + P353 IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing .

Rinse skin with water or shower.

P363 Wash contaminated clothing before reuse.

P233 Keep container tightly closed.

Hazards not otherwise classified or not covered by GHS - none

**3. Composition / Information on ingredients**

Chemical identity:	Sodium Carbonate	40-45%	
Common name:	Soda ash	CAS 497-19-8	EC No. 207-838-8
Chemical identity:	Sodium metasilicate	19-20%	
Common name:	DryMet, SMS	CAS 6834-92-0	EC No. 229-912-0
Chemical identity:	Sodium percarbonate	15-17%	
Common name:	Percarb	CAS15630-89-4	EC No. 239-707-6
Impurities: None known of toxicological significance.			

**4. First-aid measures****Hazard statements:**

H302 Harmful if swallowed.

H314 Causes severe skin burns and eye damage.

H335 May cause respiratory irritation.

**Precautionary statements:**

P260 Do not breathe dust or mist.

P264 Wash skin thoroughly after handling.

P271 Use only outdoors or in a well-ventilated area.

P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

P301 + P312 IF SWALLOWED: Call a POISON CENTER or doctor/ physician if you feel unwell.

P301 + P330 + P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.

P303 + P361 + P353 IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing.

Rinse skin with water.

P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310 Immediately call a POISON CENTER or doctor/ physician.

P363 Wash contaminated clothing before reuse.

P403 + P233 Store in a well-ventilated place. Keep container tightly closed.

**5. Fire fighting Measures**

Suitable extinguishing media : Product is not flammable, but contains a fire enhancing ingredient: oxidizer.

Use equipment appropriate for the main cause of the fire.

Precautions: Special hazards arising from the substance or mixture

Carbon oxides, Sodium oxides, nitrogen compounds.

Firefighters must wear full facepiece self - contained breathing apparatus in positive pressure mode.

Flash point: Does not flash.

Autoignition temperature: Does not ignite.

Specific hazards in case of fire: Hot product may help ignite flammables in contact.

**6. Accidental release measures**

Personal precautions: Use personal protective equipment. Avoid dust formation. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Avoid breathing dust.

Environmental precautions:

Prevent spills from entering storm sewers or drains and contact with soil.

Methods and materials for containment and cleaning up: Seal drains to prevent flow to sanitary sewer or surface waters. Vacuum or mop up for possible use or reclaim.

For disposal see section 13.

**7. Handling and storage**

Precautions for safe handling:

Avoid contact with eyes. Avoid prolonged or repeated skin contact and breathing mists/vapors.

Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed.

Conditions for safe storage, including incompatibilities:

Standard safe storage conditions are appropriate: avoid package damage and extremes in temperature:

Keep container tightly closed in a dry and well-ventilated place. Hygroscopic Keep in a dry place.

**8. Exposure controls / personal protection**

Information on the system design:

Product is intended for external use only. Stay up wind, out of any spray developed.

Contains no substances with occupational exposure limit values.

Exposure Limits: NE= Not Established Reference 29CFR 1910.1000 Table Z-1

Component Name (CAS Number)

TWA

STEL

Source: ACGIH

ppm mg/m3

ppm mg/m3

Sodium carbonate CAS 497-19-8

NE NE

NE NE

Sodium metasilicate CAS 6834-92-0

NE NE

NE NE

Sodium percarbonate CAS 15630-89-4

NE NE

NE NE

Personal protective equipment

Respiratory protection: No requirement anticipated.

Hand protection: Rubber gloves.

Eye protection: Face mask preferred, or safety glasses with side-shields.

Skin and body protection: Chemical resistant apron or protective suit if splashing or repeated contact with solution is likely.

Hygiene measures : Wash hands and face before breaks and immediately after handling the product.

Handle in accordance with good industrial hygiene and safety practice.

**9. Physical and chemical properties**

Physical state: Powder

Color: White

Odor: Slightly fruity, alcoholic

Odor threshold: Not available

pH-value: Not applicable

Melting point: Not available

Freezing Point: Not available

Initial boiling point: Not available

Flash point: Does not flash.

Evaporation rate: Not available

Flammability (solid, gas): Not applicable

Explosion limits: Not explosive

Vapor pressure: (highest partial vapor pressure) at 20°C: Not available

Vapor density: Not available

Partition coefficient: Log Kow = Not applicable to mixture.

Relative density (water=1.00): No data available

Auto-ignition temperature: Not available

Solubility: About 10% water at 20°C

Decomposition temperature: Not available

**10. Stability and reactivity**

Chemical stability: No decomposition, if used according to specifications.

Possibility of hazardous reactions: None are known. Will not polymerize.

Conditions to avoid: No dangerous conditions known.

Materials to avoid: No hazardous reactive known. Do not use directly on aluminum items.

Hazardous decomposition products: None are known. Also see Section 5.

**11. Toxicological information**

Acute Toxicity: No information available for finished product.

Test	Sodium carbonate CAS 497-19-8	Sodium metasilicate CAS 6834-92-0	Sodium percarbonate CAS 15630-89-4
Oral Toxicity (Rats) LD50 mg/kg:	4,090	1,153	1,034
Dermal Toxicity (Rabbit) LD50 mg/kg	No data	No data	>2,000 rbt
Inhalation Toxicity, Vapor	5,750mg/l 2 hr	No data	No data
Eye Irritation	Serious damage 24 hr	No data	Severely irritating
Dermal Irritation	Mild irritation 24 hr	Rbt-Severe 24 hrs.	Irritating

Likely/ possible routes of exposure: Ingestion, skin and eye contact.

Skin: The product is not expected to be toxic by skin absorption.

Oral: The product is not expected to be toxic by ingestion.

Inhalation: The product is not expected to be toxic by inhalation.

H305 May be harmful if swallowed and enters airways

**Irritation**

H315 Causes skin irritation

H319 Causes serious eye irritation

H402 Harmful to aquatic life

**Sensitization:** The product is not expected to be sensitizing.

Chronic toxicity: Prolonged skin contact may defat the skin and produce dermatitis.

Carcinogenicity: Not listed by NTP, IARC, OSHA or ACGIH as a suspect or potential carcinogen.

Summary Comments: Product may have a drying effect on the skin; frequent or prolonged contact may cause flaking or cracking of the skin.

**12. Ecological information****Toxicity**

**Sodium carbonate** CAS 497-19-8

Toxicity to fish LC50 - Lepomis macrochirus (Bluegill) - 300 mg/l - 96 h

Toxicity to daphnia and EC50 - Daphnia magna (Water flea) - 265 mg/l - 48 h

**Sodium metasilicate** CAS 6834-92-0

Toxicity to fish C50 - Pimephales promelas (fathead minnow) - 70.7 mg/l - 96 h

Toxicity to daphnia EC0 - Daphnia magna (Water flea) - 2 mg/l - 48 h

other aquatic invertebrates EC50 - Daphnia magna (Water flea) - 4.9 mg/l - 48 h

**Sodium percarbonate** CAS15630-89-4

Toxicity to fish LC50 - Pimephales promelas (fathead minnow) - 70.7 mg/l - 96 h

Toxicity to daphnia EC0 - Daphnia magna (Water flea) - 2 mg/l - 48 h

and other aquatic invertebrates EC50 - Daphnia magna (Water flea) - 4.9 mg/l - 48 h

No information on product

Persistence and degradability no data available

Bioaccumulative potential no data available

Mobility in soil no data available

Results of PBT and vPvB assessment

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

Other adverse effects no data available

**13. Disposal considerations**

Product as supplied is not an unlisted hazardous waste.

Dispose in accordance with local, state and federal regulations.

**14. Transport information**

Domestic transport: Not classified as dangerous goods under transport regulations.

Sea transport (IMDG): Not classified as dangerous goods under transport regulations.

Air transport (IATA/CAO): Not classified as dangerous goods under transport regulations.

**15. Regulatory information**

Inventory Status:

All components are on TSCA, EINECS/ELINCS, AICS, and DSL.

U.S. Regulations:

U.S. Superfund Amendments and Reauthorization Act (SARA) Title III:

SARA (311/312) HAZARD CATEGORIES:

None

SARA 313: This product contains the following SARA 313 Toxic Release Chemicals.

Chemical Name	CAS Number	Concentration
None	Not applicable	Not applicable

The following product components are cited on the lists below:

Chemical Name	CAS Number	List Citations
Sodium carbonate	497-19-8	NJ RTK
Sodium metasilicate	6834-92-0	PA, NJ, RTK
Sodium percarbonate	15630-89-4	PA, NJ, RTK

Contains no California Prop. 65 chemicals.

**16. Other information**

MSDS Preparation date: May 15, 2014

Hazard Categories:	Health	Fire	Pressure	Reactivity	Reference
Immediate	Yes	No	No	No	49 CFR 171.8, OSHA 29 CFR 1910.1200 and SARA 302/311/312/313.
Delayed	No	No	XXX	XXX	

HMIS Hazard ratings: Health 2 Fire 0 Instability 0 Other B (Goggles, gloves)

Hazard Ratings: Least: 0 Slight: 1 Moderate: 2 High: 3 Extreme: 4

MSDS's found from ingredient suppliers do not provide sufficient information for complete categorization of the hazards as of the date of preparation of this document. Expert opinion and judgment have been used where deemed necessary and appropriate.

To our knowledge, the information contained herein is accurate as of the date off this document. However, neither Joe Glo nor their employees makes any warranty, expressed or implied, or accepts any liability in in connection with this information or its use.