SAFETY DATA SHEET
ME-CLEANER

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1. PRODUCT AND COMPANY IDENTIFICATION

Product Code: 00008

Product Name: ME-CLEANER

Company Name: KIRBY CHEMICAL & RESTAURANT SUPPLY
809 S. EASTMAN RD.
LONGVIEW, TX 75602

Phone Number: (903)757-2723

Emergency Contact: CHEM-TEL, INC. (800)255-3924

Intended Use: PRE-SOAK

2. HAZARDS IDENTIFICATION

Serious Eye Damage/Eye Irritation, Category 2A

GHS Signal Word: **Warning**

GHS Hazard Phrases: H319 - Causes serious eye irritation.

GHS Precaution Phrases: P264 - Wash hands thoroughly after handling.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.

GHS Response Phrases: P305+351+338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+313 - If eye irritation persists, get medical advice/attention.

GHS Storage and Disposal Phrases: No phrases apply.

Potential Health Effects (Acute and Chronic): Adverse reproductive effects have been reported in animals.

Chronic:

Inhalation: Harmful if inhaled. May cause respiratory tract irritation. Can produce delayed pulmonary edema. May cause acute pulmonary edema, asphyxia, chemical pneumonitis, and upper airway obstruction caused by edema.

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

Eye Contact: Causes eye irritation. Lachrymator (substance which increases the flow of tears). May cause conjunctivitis. May cause permanent corneal opacification.

Ingestion: May cause irritation of the digestive tract. May be harmful if swallowed. May cause nausea, vomiting, and diarrhea, possibly with blood.

3. COMPOSITION/INFORMATION ON INGREDIENTS

CAS #	Hazardous Components (Chemical Name)	Concentration
497-19-8	Sodium carbonate	30.0 -50.0 %
15630-89-4	Disodium carbonate, compound with hydrogen peroxide (2:3)	30.0 -50.0 %

4. FIRST AID MEASURES

Emergency and First Aid Procedures:

In Case of Inhalation: Remove from exposure and move to fresh air immediately. If breathing is difficult, give oxygen. Get medical aid. Do NOT use mouth-to-mouth resuscitation.

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

In Case of Ingestion: Get medical aid. Never give anything by mouth to an unconscious person. If conscious and alert, rinse mouth and drink 2-4 cupfuls of milk or water. Wash mouth out with water.

Note to Physician: Treat symptomatically and supportively.

5. FIRE FIGHTING MEASURES

Flash Pt: No data.

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

Autoignition Pt: No data.

Suitable Extinguishing Media: Substance is noncombustible; use agent most appropriate to extinguish surrounding fire. Use water spray, dry chemical, carbon dioxide, or chemical foam. Do NOT get water inside containers. Contact professional fire-fighters immediately.

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. Strong oxidizer. Contact with other material may cause fire. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. Wear appropriate protective clothing to prevent contact with skin and eyes. Wear a self-contained breathing apparatus (SCBA) to prevent contact with thermal decomposition products. Use water with caution and in flooding amounts. Some oxidizers may react explosively with hydrocarbons(fuel). May accelerate burning if involved in a fire. Containers may explode when heated.

Flammable Properties and Hazards: No data available.

6. ACCIDENTAL RELEASE MEASURES

Steps To Be Taken In Case Material Is Released Or Spilled: Use proper personal protective equipment as indicated in Section 8. Spills/Leaks: Vacuum or sweep up material and place into a suitable disposal container. Wear a self contained breathing apparatus and appropriate personal protection. (See Exposure Controls, Personal Protection section). Avoid generating dusty conditions. Provide ventilation. Do not let this chemical enter the environment. Clean up spills immediately, observing precautions in the Protective Equipment section. Remove all sources of ignition. Do not get water inside containers. Do not use combustible materials such as paper towels to clean up spill.

7. HANDLING AND STORAGE

Precautions To Be Taken in Handling: Minimize dust generation and accumulation. Do not get in eyes, on skin, or on clothing. Do not ingest or inhale. Use only in a chemical fume hood. Wash thoroughly after handling. Use with adequate ventilation. Avoid breathing dust, mist, or vapor. Keep container tightly closed. Avoid contact with clothing and other combustible materials. Avoid ingestion and inhalation.

Precautions To Be Taken in Storing: Store in a cool, dry place. Store in a tightly closed container. Keep away from acids. Keep away from sources of ignition. Store protected from moisture.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
497-19-8	Sodium carbonate	No data.	No data.	No data.
15630-89-4	Disodium carbonate, compound with hydrogen peroxide (2:3)	No data.	No data.	No data.

Respiratory Equipment (Specify Type): Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

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.

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

Engineering Controls (Ventilation etc.): Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use only under a chemical fume hood. Use adequate ventilation to keep airborne concentrations low.

9. PHYSICAL AND CHEMICAL PROPERTIES

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

Appearance and Odor: Appearance: White. Powder.
Odor: Nearly odorless.

Melting Point: No data.

Boiling Point: No data.

Autoignition Pt: No data.

Flash Pt: No data.

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

Specific Gravity (Water = 1): No data.

Vapor Pressure (vs. Air or mm Hg): No data.

Vapor Density (vs. Air = 1): No data.

Evaporation Rate: No data.

Solubility in Water: YES

pH: 9.5 - 10.0

Percent Volatile: No data.

10. STABILITY AND REACTIVITY

Stability: Unstable [ ] Stable [X]

Conditions To Avoid - Instability: Incompatible materials, dust generation, Excess heat, ignition sources, combustible materials.

Incompatibility - Materials To Avoid: acids, Strong oxidizing agents, Metals. fluorine, Hydrogen peroxide, phosphorus pentoxide, 6-trinitrotoluene. Reducing agents, Organic materials, Finely powdered metals, Bases.

Hazardous Decomposition Or Byproducts: Carbon monoxide, Carbon dioxide, Nitrogen oxides.

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: Mutagenicity: Neurotoxicity: Other Studies: Teratogenicity: No information available.

Carcinogenicity/Other Information: CAS# 497-19-8: Not listed by ACGIH, IARC, NTP, or CA Prop 65. CAS# 15630-89-4: Not listed by ACGIH, IARC, NTP, or CA Prop 65.

CAS #	Hazardous Components (Chemical Name)	NTP	IARC	ACGIH	OSHA
497-19-8	Sodium carbonate	n.a.	n.a.	n.a.	n.a.
15630-89-4	Disodium carbonate, compound with hydrogen peroxide (2:3)	n.a.	n.a.	n.a.	n.a.

12. ECOLOGICAL INFORMATION

General Ecological Information: Environmental: No information available.
Physical: No information 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. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.
RCRA P-Series: None listed.
RCRA U-Series: None listed.

14. TRANSPORT INFORMATION

LAND TRANSPORT (US DOT):

DOT Proper Shipping Name: Not Regulated. OXIDIZING SOLID, N.O.S.
DOT Hazard Class:
UN/NA Number:

LAND TRANSPORT (Canadian TDG):

TDG Shipping Name: Not Regulated. No information available.

15. REGULATORY INFORMATION

This material meets the EPA 'Hazard Categories' defined for SARA Title III Sections 311/312 as indicated:

[ ] Yes [X] No Acute (immediate) Health Hazard
[ ] Yes [X] No Chronic (delayed) Health Hazard
[ ] Yes [X] No Fire Hazard
[ ] Yes [X] No Sudden Release of Pressure Hazard
[ ] Yes [X] No Reactive Hazard

CAS #	Hazardous Components (Chemical Name)	Other US EPA or State Lists
497-19-8	Sodium carbonate	TSCA: Inventory
15630-89-4	Disodium carbonate, compound with hydrogen peroxide (2:3)	TSCA: Inventory

16. OTHER INFORMATION

Revision Date:	11/11/2013
Additional Information About This Product:	No data available.
Company Policy or Disclaimer:	While the information is believed to be correct, Kirby Chemical Company shall in no event be responsible for any damages whatsoever, either directly or indirectly, resulting from any publication or use of or reliance upon data contained herein. No warranty, either expressed or implied, of merchantability, of fitness for a particular purpose, or of any other nature with respect to the product or to the data, is made herein. The information contained in this Material Safety Data Sheet is supplied pursuant to OSHA's Hazard Communication Standard, 29 CFR 1910.1200. Standard must be consulted for specific requirements