

## Section 1 ~ Identification

<b>Identity (As Used On Label and List)</b> <b>G3015 E-Z KLEEN BULK</b>	<b>Date Prepared:</b> 05-06-2015
<b>Company Information:</b> OMEGA INDUSTRIAL SUPPLY, INC	<b>Emergency Telephone Number:</b> 1-800-424-9300
<b>Address (Number, Street, Suite/Apt#)</b> 101 Grobric Ct #1	<b>Telephone Number for Information:</b> 1-800-571-7347
<b>(City, State, and Zip Code)</b> Fairfield, CA 94534	<b>Signature of Prepare (Optional)</b> REGULATORY DEPT.

## Section 2 ~ Hazard(s) Identification

<b>GHS-US Classification</b>	Skin Corr. 1B Eye Dam. 1 Full text of H-phrases: see section 16	H314 H318
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### Label Elements

#### GHS-US Labeling

#### Hazardous Pictograms (GHS-US)



GHS05

**Signal Word (GHS-US):** Danger

**Hazardous Statements (GHS-US)** Causes severe skin burns and eye damage. Causes serious eye damage

**Precautionary Statement (GHS-US)** Do not breathe vapors, spray, mist. Wash hands thoroughly after handling. Wear eye protection, face protection, protective gloves, protective clothing. **If swallowed:** rinse mouth. Do NOT induce vomiting. **If on skin (or hair):** Take off immediately all contaminated clothing. Rinse skin with water/shower **If inhaled:** Remove person to fresh air and keep comfortable for breathing. **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. Specific treatment (see First Aid measures on this label) Wash contaminated clothing before reuse. Store locked up. Dispose of contents/container to an approved waste disposal plant

**Other Hazards** No additional information available. **Unknown Acute Toxicity (GHS-US)** Not applicable

## Section 3 ~ Composition/Information on Ingredients

**Substance:** Not applicable.

### Mixture

Name	CAS No.	%(Wt.)	GHS-US Classification
Caustic Soda	1310-73-2	7.84 – 9.8	Met. Corr. 1, H290 Skin Corr. 1A, H314
disodium metasilicate, pentahydrate	10213-79-3	1 – 3	Skin Corr. 1B, H314 STOT SE 3, H335
sodium carbonate	497-19-8	1 – 3	Skin Corr. 1A, H314 Eye Dam. 1, H318
EDTA; tetrasodium ethylenediaminetetraacetate	64-02-8	2 – 3	Acute Tox. 4 (Oral), H302 Eye Dam. 1, H318

**Full text of H-Phrases:** See section 16

## Section 4 ~ First Aid Measures

**First-Aid Measures General:** Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

**First-Aid Measures After Inhalation:** Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor/physician.

**First-Aid Measures After Skin Contact:** Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Immediately call a POISON CENTER or doctor/physician.

**First-Aid Measures After Eye Contact:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.

**First-Aid Measures After Ingestion:** Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor/physician.

### Most Important Symptoms and Effects, Both Acute and Delayed

**Symptoms/Injuries:** Causes severe skin burns and eye damage.

**Symptoms/Injuries After Eye Contact:** Causes serious eye damage.

**Indication of any Immediate Medical Attention and Special Treatment Needed:** Treat symptomatically.

## Section 5 ~ Fire Fighting Measures

**Suitable Extinguishing Media:** Foam, dry powder, carbon dioxide, water spray, sand.

**Unsuitable Extinguishing Media:** Do not use a heavy water stream

### Special Hazards Arising from the Substance or Mixture

**Reactivity:** Corrosive vapors.

### Advice for Firefighters

**Firefighting Instructions:** Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.

**Protection During Firefighting:** Do not enter fire area without proper protective equipment, including respiratory protection.

## Section 6 ~ Accidental Release Measures

### Personal Precautions, Protective Equipment and Emergency Procedures

**For Non-Emergency Personnel:** Evacuate unnecessary personnel.

### For Emergency Responders

**Protective Equipment:** Equip clean-up crew with proper protection.

**Emergency Procedures:** Ventilate area.

**Environmental Precautions:** Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

**Methods and Material for Containment and Cleaning Up:** Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

**Reference to Other Sections:** See heading 8. Exposure controls and personal protection.

## Section 7 ~ Handling and Storage

**Precautions for Safe Handling:** Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapor. Do not breathe vapors, spray, mist.

**Hygiene Measures:** Wash hands, forearms and face thoroughly after handling. Wash contaminated clothing before reuse.

### Conditions for Safe Storage, Including any Incompatibilities

**Technical Measures:** Comply with applicable regulations.

**Storage Conditions:** Keep only in the original container in a cool, well ventilated place away from heat sources. Keep container closed when not in use.

**Incompatible Products:** Strong bases, strong acids.

**Incompatible Materials:** Sources of ignition. Direct sunlight.

Specific End Use(s): No additional information available

## Section 8 ~ Exposure Controls/Personal Protection

### Control Parameters

#### E-Z Kleen B

ACGIH Not applicable  
OSHA Not applicable

#### Caustic Soda (1310-73-2)

ACGIH ACGIH Ceiling (mg/m3) 2 mg/m3  
ACGIH Remark (ACGIH) URT, eye, & skin irr  
OSHA OSHA PEL (TWA) (mg/m3) 2 mg/m3

#### disodium metasilicate, pentahydrate (10213-79-3)

ACGIH Not applicable  
OSHA Not applicable

#### Sodium Carbonate (497-19-8)

ACGIH Not applicable  
OSHA Not applicable

#### EDTA; tetrasodium ethylenediaminetetracetate (64-02-8)

ACGIH Not applicable  
OSHA Not applicable

### Exposure Controls

**Personal Protective Equipment:** Protective goggles. Protective clothing. Gloves. Face shield.



**Hand Protection:** Wear protective gloves.

**Eye Protection:** Chemical goggles or face shield.

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

**Respiratory Protection:** Wear appropriate mask.

**Other Information:** Do not eat, drink or smoke during use.

## Section 9 ~ Physical and Chemical Properties

### Information on Basic Physical and Chemical Properties

**Physical State:** Liquid

**Color:** Purple

**Odor:** characteristic

**Odor Threshold:** No data available

**pH:** > 12

**Melting Point:** No data available

**Freezing Point:** No data available

**Boiling Point:** No data available

**Flash Point:** No data available

**Relative Evaporation Rate (butylacetate=1):** No data available

**Flammability (solid, gas):** No data available

**Explosive Limits:** No data available

**Explosive Properties:** No data available

**Oxidizing Properties:** No data available

**Vapor Pressure:** No data available

**Relative Density:** No data available

**Relative Vapor Density at 20°C:** No data available

**Solubility:** Water: Solubility in water of component(s) of the mixture: • disodium metasilicate, pentahydrate: 17.5 g/100ml • sodium carbonate: 22 g/100ml • EDTA; tetrasodium ethylenediaminetetracetate: 103 g/100ml

**Log Pow:** No data available

**Log Kow:** No data available

**Auto-Ignition Temperature:** No data available

**Decomposition Temperature:** No data available

**Viscosity:** No data available

**Viscosity, Kinematic:** No data available

**Viscosity, Dynamic:** No data available

**Other Information:** No additional information available

## Section 10 ~ Stability and Reactivity

**Reactivity:** Corrosive vapors.

**Chemical Stability:** Stable under normal conditions.

**Possibility of Hazardous Reactions:** Stable under use and storage conditions as recommended in section 7.

**Conditions to Avoid:** Direct sunlight. Extremely high or low temperatures.

**Incompatible Materials:** Strong acids. Strong bases.

**Hazardous Decomposition Products:** Carbon monoxide. Carbon dioxide. Thermal decomposition generates: Corrosive vapors.

## Section 11 ~ Toxicological Information

### Information on Toxicological Effects

**Acute Toxicity:** Not classified

#### Sodium Carbonate (497-19-8)

LD50 oral rat

2800 mg/kg (Rat; Experimental value)

LD50 dermal rabbit

> 2000 mg/kg (Rabbit; Experimental value)

ATE US (oral)

2800.000 mg/kg bodyweight

#### EDTA; tetrasodium ethylenediaminetetracetate (64-02-8)

LD50 oral rat

> 2000 mg/kg (Rat)

ATE US (oral)

500.000 mg/kg bodyweight

**Skin Corrosion/Irritation:** Causes severe skin burns and eye damage. pH: >12

**Serious Eye Damage/Irritation:** Causes serious eye damage. pH: >12

**Respiratory or Skin Sensitization:** Not classified

**Germ Cell Mutagenicity:** Not classified

**Carcinogenicity:** Not classified

**Reproductive Toxicity:** Not classified

**Specific Target Organ Toxicity (Single Exposure):** Not classified

**Specific Target Organ Toxicity (Repeated Exposure):** Not classified

**Aspiration Hazard:** Not classified

**Potential Adverse Human Health Effects and Symptoms:** Based on available data, the classification criteria are not met.

**Symptoms/Injuries After Eye Contact:** Causes serious eye damage.

## Section 12 ~ Ecological Information

### Toxicity

#### disodium metasilicate, pentahydrate (10213-79-3)

LC50 fish 1

210 mg/l (96 h; Brachydanio rerio; Anhydrous form)

EC50 Daphnia 1

216 mg/l (96 h; Daphnia magna; Anhydrous form)

LC50 fish 2

2320 mg/l (96 h; Gambusia affinis; Anhydrous form)

EC50 Daphnia 2

632 mg/l (96 h; Lymnaea sp.; Anhydrous form)

#### Sodium Carbonate (497-19-8)

LC50 fish 1

300 mg/l (96 h; Lepomis macrochirus)

EC50 Daphnia 1

< 424 mg/l (48 h; Daphnia magna)

EC50 other aquatic organisms 1

14 mg/l (168 h; Plankton)

LC50 fish 2

740 mg/l (96 h; Gambusia affinis)

EC50 Daphnia 2

265 mg/l (48 h; Daphnia magna)

TLM fish 1	300 ppm (96 h; Lepomis macrochirus)
TLM other aquatic organisms 1	500 ppm (96 h; Daphnia magna)
Threshold limit algae 1	242 mg/l (5 days; Algae)
<b>EDTA; tetrasodium ethylenediaminetetracetate (64-02-8)</b>	
LC50 fish 1	121 mg/l (96 h; Lepomis macrochirus; Soft water)
EC50 Daphnia 1	625 mg/l (24 h; Daphnia magna)
LC50 fish 2	374 - 792 mg/l (96 h; Lepomis macrochirus; pH > 7)
Threshold limit algae 1	> 100 mg/l (72 h; Scenedesmus subspicatus; Growth)

**Persistence and Degradability**

**E-Z Kleen B**

Persistence and degradability Not established.

**Caustic Soda (1310-73-2)**

Persistence and degradability Not established.

**disodium metasilicate, pentahydrate (10213-79-3)**

Persistence and degradability Biodegradability: not applicable.

Biochemical oxygen demand (BOD) Not applicable

Chemical oxygen demand (COD) Not applicable

ThOD Not applicable

BOD (% of ThOD) Not applicable

**Sodium Carbonate (497-19-8)**

Persistence and degradability Biodegradability: not applicable. Low potential for adsorption in soil. Not established.

ThOD Not applicable (inorganic)

**EDTA; tetrasodium ethylenediaminetetracetate (64-02-8)**

Persistence and degradability Not readily biodegradable in water. Not established.

Biochemical oxygen demand (BOD) < 0.002 g O<sub>2</sub>/g substance

Chemical oxygen demand (COD) 0.54 - 0.58 g O<sub>2</sub>/g substance

**Bioaccumulative Potential**

**E-Z Kleen B**

Bioaccumulative potential Not established.

**Caustic Soda (1310-73-2)**

Bioaccumulative potential Not established.

**disodium metasilicate, pentahydrate (10213-79-3)**

Bioaccumulative potential No bioaccumulation data available

**Sodium Carbonate (497-19-8)**

Log Pow -6.19 (Estimated value)

Bioaccumulative potential Low potential for bioaccumulation (Log Kow < 4). Not established.

**EDTA; tetrasodium ethylenediaminetetracetate (64-02-8)**

Log Pow -2.6

Bioaccumulative potential Bioaccumulation: not applicable. Not established.

**Mobility in Soil:** No additional information available

**Other Adverse Effects**

**Effect on the Global Warming:** No known ecological damage caused by this product.

**Other Information:** Avoid release to the environment.

**Section 13 ~ Disposal Considerations**

**Waste Treatment Methods**

**Waste Disposal Recommendations:** Dispose in a safe manner in accordance with local/national regulations. Dispose of contents/container to an approved waste disposal plant.

**Ecology - Waste Materials:** Avoid release to the environment.

**Section 14 ~ Transport Information**

**Department of Transportation (DOT)**

In accordance with DOT

**Transport Document Description:** UN1824 Sodium hydroxide solution, 8, II

**UN-No.(DOT):** UN1824

**Proper Shipping Name (DOT):** Sodium hydroxide solution

**Transport hazard class(es) (DOT):** 8 - Class 8 - Corrosive material 49 CFR 173.136

**Hazard labels (DOT):** 8 – Corrosive. LTD QTY - Limited quantity



**Packing group (DOT):** II - Medium Danger

**DOT Packaging Bulk (49 CFR 173.xxx):** 242

**DOT Packaging Exceptions (49 CFR 173.xxx):** 154

**DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27):** 1 L

**DOT Quantity Limitations Cargo aircraft only (49CFR 175.75):** 30 L

**DOT Vessel Stowage Location:** A - The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel.

**DOT Vessel Stowage Other:** 52 - Stow "separated from" acids

**Additional Information**

**Emergency Response Guide (ERG) Number:** 154

**Other Information:** No supplementary information available.

**ADR:** No additional information available

**Transport by Sea**

**UN-No. (IMDG):** 1824

**Proper Shipping Name (IMDG):** SODIUM HYDROXIDE SOLUTION

**Class (IMDG):** 8 - Corrosive substances

**Packing group (IMDG):** II - substances presenting medium danger

**Air Transport**

**UN-No. (IATA):** 1824

**Proper Shipping Name (IATA):** Sodium hydroxide solution

**Class (IATA):** 8 - Corrosives

**Packing group (IATA):** II - Medium Danger

**Section 15 ~ Regulatory Information**

**US Federal Regulations**

**E-Z KLEEN B**

Not listed on the United States TSCA (Toxic Substances Control Act) inventory

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory except for:  
disodium metasilicate, pentahydrate CAS No 10213-79-3 1 – 3

This product or mixture does not contain a toxic chemical or chemicals in excess of the applicable de minimis concentration as specified in 40 CFR §372.38(a) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

**Caustic Soda (1310-73-2)**

Not listed on the United States SARA Section 313

RQ (Reportable quantity, section 304 of EPA's List of Lists) 1000 lb

**International Regulations**

**CANADA:** No additional information available

**EU-Regulations:** No additional information available

**Classification according to Regulation (EC) No. 1272/2008 [CLP]:** No additional information available

**Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]:** Not classified

**National Regulations:** No additional information available

**US State Regulations:** California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer and/or reproductive harm

**Caustic Soda (1310-73-2)**

U.S. - New Jersey - Right to Know Hazardous Substance List

U.S. - Pennsylvania - RTK (Right to Know) List

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## Section 16 ~ Other Information

Full Text of H-phrases;

Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Met. Corr. 1	Corrosive to metals, Category 1
Skin Corr. 1A	Skin corrosion/irritation, Category 1A
Skin Corr. 1B	Skin corrosion/irritation, Category 1B
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation
H290	May be corrosive to metals
H302	Harmful if swallowed
H314	Causes severe skin burns and eye damage
H318	Causes serious eye damage
H335	May cause respiratory irritation

	NFPA	HMIS	Key
HEALTH	3	3	4= Severe
FLAMMABILITY	0	0	3= Serious
REACTIVITY	1	1	2= Moderate
OTHER/PROTECTION	-	D	1= Slight 0= Minimal

D= Face shield and eye protection, gloves, synthetic apron

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