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SAFETY DATA SHEET

Issue Date: 12 November 2015

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Version 1

1. PRODUCT AND COMPANY IDENTIFICATION

Product Identifier

Product Name: **KLEENZOL**

Product Description: **ALL PURPOSE NEUTRAL CLEANER**

Other Means of Identification

Product # 148, 148A
Synonyms None

Details of the Supplier of the Safety Data Sheet

Company Name CHEMCO INDUSTRIES, INC.
5731 Manchester Avenue
St. Louis, MO 63110
www.chemcoindustries.com
314-647-1888
1-800-854-4236 (to Reorder)

Emergency Telephone Number

Emergency Telephone INFOTRAC 1-800-535-5053

2. HAZARDS IDENTIFICATION

Classification (GHS-US)

Skin Irrit. 2 H315
Eye Dam. 1 H318
Carc. 2 H351

*Full text of H-phrases: see section 16

GHS-US Labeling

Hazard pictograms (GHS-US):



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

Hazard Statements (GHS-US):

Causes skin irritation
Causes serious eye damage
Suspected of causing cancer

Precautionary statements (GHS-US):

Obtain special instructions before use
Do not handle until all safety precautions have been read and understood.
Wash thoroughly after handling
Wear eye protection, protective clothing, protective gloves
If on skin: Wash with plenty of water
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If exposed or concerned: Get medical advice/attention.
Immediately call a doctor, a POISON CENTER
Specific treatment (see First aid measures on this label)
If skin irritation occurs: Get medical advice/attention
Take off contaminated clothing and wash it before reuse.

Store locked up.

Dispose of contents/container to comply with local/regional/national/international regulations

Other hazards: No additional information available

Unknown acute toxicity (GHS-US): Not applicable

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance: Not applicable

*Full text of H-phrases: see section 16

Mixture:

Name	Product identifier	%	Classification (GHS-US)
Benzenesulfonic acid, C10-16-alkyl derivatives	(CAS No) 68584-22-5	3.0-7.0	Acute Tox. 4 (Oral), H302 Skin Corr. 1A, H314
Cocoamide	(CAS No) 8051-30-7	3.0-7.0	Skin Irrit. 2, H315 Eye Dam. 1, H318
Nonylphenoxypoly(ethyleneoxy)ethanol (9EO)	(CAS No) 9016-45-9	1.0-5.0	Acute Tox. 4 (Oral), H302 Eye Dam. 1, H318
2,2'-iminodiethanol, diethanolamine	(CAS No) 111-42-2	0.1-1.0	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 Carc. 2, H351 STOT RE 2, H373

4. FIRST AID MEASURES

Description of first aid measures:

First-aid measures general:

If you feel unwell, seek medical advice (show the label where possible).

First-aid measures after inhalation:

Remove the victim to fresh air and keep at rest in a position comfortable for breathing.

First-aid measures after skin contact:

Take off immediately all contaminated clothing and wash it before reuse. Rinse skin with water/shower. If skin irritation occurs: Get medical advice/attention.

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. Call a poison center or a doctor if you feel unwell.

Most important symptoms and effects, both acute and delayed:

Symptoms/injuries:

Causes severe skin burns and eye damage. Suspected of causing cancer.

Symptoms/injuries after inhalation:

May cause respiratory irritation.

Symptoms/injuries after skin contact:

Caustic burns/corrosion of the skin.

Symptoms/injuries after eye contact:

Causes serious eye damage. Corrosion of the eye tissue. Permanent eye damage.

Symptoms/injuries after ingestion:

Gastrointestinal complaints. Vomiting. Nausea. Cramps/uncontrolled muscular contractions.

Indication of any immediate medical attention and special treatment needed:

No additional information available.

5. FIRE-FIGHTING MEASURES

Extinguishing media:

Suitable extinguishing media:

All extinguishing media allowed.

Special hazards arising from the substance or mixture:

Reactivity:

Upon combustion: CO and CO₂ are formed.

Advice for firefighters:

Firefighting instructions:

Exercise caution when fighting any chemical fire. Use water spray or fog for cooling exposed containers. Take account of environmentally hazardous firefighting water.

Protection during firefighting:

Do not enter fire area without proper protective equipment, including respiratory protection.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:

General measures:	Isolate from fire, if possible, without unnecessary risk.
For non-emergency personnel:	
Protective equipment:	Gloves. Protective goggles. Protective clothing.
Emergency procedures:	Evacuate unnecessary personnel. Avoid contact with skin, eyes and clothing. Ventilate spillage area.
For emergency responders:	
Protective equipment:	Equip cleanup crew with proper protection.
Emergency procedures:	Stop leak if safe to do so. Stop release. Ventilate area.

Environmental precautions:

Avoid release to the environment. Prevent soil and water pollution.

Methods and material for containment and clean up:

For containment:	Contain released substance, pump into suitable containers.
Methods for cleaning up:	This material and its container must be disposed of in a safe way, and as per local legislation.

Reference to other sections:

No additional information available.

7. HANDLING AND STORAGE

Precautions for safe handling:

Precautions for safe handling: Comply with the legal requirements. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Do not eat, drink, or smoke when using this product. Do not get in eyes, on skin, or on clothing.

Hygiene measures: Do not eat, drink, or smoke when using this product. Wash contaminated clothing before reuse.

Conditions for safe storage, including any incompatibilities:

Technical measures:	Comply with applicable regulations.
Storage conditions:	Keep container closed when not in use. Store in original container.
Incompatible products:	Strong acids.
Storage area:	Store in a dry area. Store in a cool area.
Special rules on packaging:	Meet the legal requirements. Keep only in original container.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters:

No additional information available.

Exposure controls:

Personal protective equipment: Use appropriate personal protective equipment when risk assessment indicates this is necessary. Gloves. Protective clothing. Safety glasses.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties:

Physical state	Liquid
Appearance	Clear, red-orange liquid.
Odor	Lemon-like
Odor threshold	No data available
pH	6.5-7.5
Melting point	No data available
Freezing point	No data available
Boiling point	No data available
Flash point	> 200 F Closed Cup
Relative evaporation rate (butyl acetate=1)	No data available
Flammability (solid, gas)	No data available
Explosion 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
Specific gravity/density	1.02 g/ml
Solubility	Soluble in water.
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
VOC content	< 0.2%

10. STABILITY AND REACTIVITY

Reactivity:

Upon combustion: CO and CO₂ are formed.

Chemical stability:

No additional information available.

Possibility of hazardous reactions:

Refer to Section on Reactivity.

Conditions to avoid:

No additional information available.

Incompatible materials:

Strong acids.

Hazardous decomposition products:

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects:

Acute toxicity: Not classified.

Benzenesulfonic acid, C10-16-alkyl derivatives (68584-22-5)	
LD50 oral rat	530 mg/kg
2,2'-iminodiethanol, diethanolamine (111-42-2)	
LD50 dermal rabbit	8180 mg/kg
ATE CLP (oral)	500.000 mg/kg body weight

Skin corrosion/irritation: Causes skin irritation.

pH: 6.5-7.5

Serious eye damage/irritation: Causes serious eye damage.

pH: 6.5-7.5

Respiratory or skin sensitization: Not classified.

Germ cell mutagenicity: Not classified.

Carcinogenicity: Suspected of causing cancer.

2,2'-iminodiethanol, diethanolamine (111-42-2)	
IARC group	2B - Possibly carcinogenic to humans

Reproductive toxicity: Not classified

Specific target organ toxicity (single exposure): Not classified

Specific target organ toxicity (repeated exposure): Not classified

Aspiration hazard: Not classified.

Symptoms/injuries after inhalation: May cause respiratory irritation.

Symptoms/injuries after skin contact: Caustic burns/corrosion of the skin.

Symptoms/injuries after eye contact: Causes serious eye damage. Corrosion of the eye tissue. Permanent eye damage.

Symptoms/injuries after ingestion: Gastrointestinal complaints. Vomiting. Nausea. Cramps/uncontrolled muscular contractions.

12. ECOLOGICAL INFORMATION

Toxicity:

Nonylphenoxypoly(ethyleneoxy)ethanol (9EO) (9016-45-9)	
LC50 fish 1	5 mg/l (96 h; Gasterosteus aculeatus; Intermittent flow)
EC50 other aquatic organisms 1	500 mg/l (Selenastrum capricornutum; Chronic)
LC50 fish 2	7 mg/l (96h; Leuciscus idus)
Threshold limit algae 1	500 mg/l (Selenastrum capricornutum; Cell numbers)

Persistence and degradability:

Nonylphenoxypoly(ethyleneoxy)ethanol (9EO) (9016-45-9)	
Persistence and degradability	Not readily biodegradable in water.

Bioaccumulative potential:

Nonylphenoxypoly(ethyleneoxy)ethanol (9EO) (9016-45-9)	
Log Pow	> 4

13. DISPOSAL CONSIDERATIONS

Waste treatment methods:

Waste disposal recommendations: Dispose in a safe manner in accordance with local/national regulations.

14. TRANSPORT INFORMATION

Department of Transportation (DOT)

In accordance with DOT: Not regulated for transport

Additional information:

Other information: No supplementary information available.

ADR:

No additional information available.

Transport by sea:

No additional information available.

Air Transport:

No additional information available.

15. REGULATORY INFORMATION

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

Chemical(s) subject to the reporting requirements of Section 313 or Title III of the Superfund Amendments and Reauthorization Act (SARA) or 1986 and 40 CFR Part 372.

2,2'-iminodiethanol, diethanolamine	CAS No 111-42-2	0.1-1.0
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2,2'-iminodiethanol, diethanolamine	
Listed on SARA Section 313 (Specific toxic chemical listings)	
RQ (Reportable quantity, section 304 of EPA's List of Lists)	100 lb

California Proposition 65 - This product contains, or may contain, trace quantities of a substance(s) known to the State of California to cause cancer and /or reproductive toxicity.

16. OTHER INFORMATION

Training advice: Normal use of this product shall imply use in accordance with the instructions on the packaging.

Full text of H-phrases:

Acute Tox. 4 (Oral)	Acute toxicity (oral) Category 4
Carc. 2	Carcinogenicity Category 2
Eye Dam. 1	Serious eye damage/eye irritation Category 1

Skin Corr. 1A	Skin corrosion/irritation Category 1A
Skin Irrit. 2	Skin corrosion/irritation Category 2
STOT RE 2	Specific target organ toxicity (repeated exposure) Category 2
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage
H315	Causes skin irritation
H318	Causes serious eye damage
H351	Suspected of causing cancer
H373	May cause damage to organs through prolonged or repeated exposure

NFPA health hazard: 2 - Intense or continued exposure could cause temporary incapacitation or possible residual injury unless prompt medical attention is given.

NFPA fire hazard: 0 - Materials that will not burn.

NFPA reactivity: 0 - Normally stable, even under fire exposure conditions, and are not reactive with water

Disclaimer

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product. No warranty is expressed or implied regarding the accuracy of this data or the results obtained from the use thereof. Our company assumes no responsibility for personal injury or property damage to the vendee, users or third parties caused by the material. Such vendee or users assume all risks associated with the use of this material.