

Safety Data Sheet

OSHA HazCom Standard 29 CFR 1910.1200

Revision Date: 11/20/15

Section 1: Identification

Product Identifier:

Product name: QuicKleen Dishwashing Liquid
Product #: JLQKDL0401

Other means of Identification:

Chemical name: Calsuds 81

Recommended Use:

Dishwashing liquid is to be used as a surfactant.

Chemical Manufacturer:

Oklahoma Correctional Industries
 3402 N. Martin Luther King Ave.
 Oklahoma City, Oklahoma 73111
 Phone: (405) 964-7220
 Fax: (405) 964-7222

Emergency telephone number:

For emergency health, safety, and environmental information: call 1-800-522-3565

Section 2: Hazard(s) Identification

Physical hazards: Not classified.

Health hazards Skin corrosion/irritation Category 2
 Serious eye damage/eye irritation Category 1

OSHA defined hazards Not classified.

Warning label items including precautionary statement:

Pictogram:



Signal words: DANGER!

Hazard statement:

H315: Causes skin irritation
 H318: Causes serious eye damage

Precautionary statement:

Prevention: P264: Wash hands thoroughly after handling.
 P280: Wear protective gloves/protective clothing/eye protection/face protection.

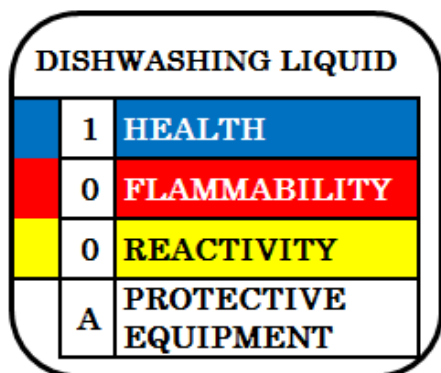
Response: P302+P352: If on skin: Wash with plenty of soap and water.
 P332+P313: If skin irritation occurs: Get medical advice/attention.
 P363: Wash contaminated clothing before reuse.
 P305+P351+P338: If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P337+P313: If eye irritation persists: Get medical advice/attention.

Storage:
Disposal:

P301+P310: If swallowed: Immediately call a poison center or doctor/physician.
 P331: Do not induce vomiting.
 P403+P235: Store in a well ventilated place. Keep cool.
 P501: Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

Hazards not otherwise classified (HNOC):

Toxic to aquatic life. Harmful to aquatic life with long lasting effects.



Section 3: Composition/Information on Ingredients

Hazardous Components

Chemical Name *	CAS-No	%
4-nonylphenol, Branched, Ethoxylated	127087-87-0	*
Alpha-sulfo-omega-hydroxypoly(oxy-1,2-ethanidiyl)C10-16 Alkyl Ethers, Sodium Salts	*	*
Hydrotrope	*	*
Inorganic salt	*	*
Surfactant	*	*

Other components below reportable levels

* The exact percentage (concentration) of composition has been withheld as a trade secret

Section 4: First-aid Measures

The following procedures are recommended as emergency first aid only. They are not intended to replace or supplant the treatment advice of a physician or other authorized health care specialist.

Inhalation

Effects: Can cause damage to nasal and respiratory passages.
 First Aid: Move to fresh air. If breathing stops, provide artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.

Skin Contact:

Effects: Slightly irritating to skin.
 First Aid: Remove contaminated clothing. Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Wash contaminated clothing before reuse.

Eye Contact:

Effects: Can cause damage.
 First Aid: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for further treatment advice.

Ingestion:

Effects: Can cause gastrointestinal irritation and burns to the alimentary canal.
 First Aid: Rinse mouth. Get medical attention if symptoms occur

Most important symptoms/effects, acute and delayed:	Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result. Skin irritation. May cause redness and pain.
Indication of immediate medical attention and special treatment needed:	Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.
General information:	Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

Section 5: Fire-fighting Measures

Suitable extinguishing media	Not applicable, non-combustible.
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire. Not applicable, non-combustible.
Specific hazards arising from the chemical	During fire, gases hazardous to health may be formed.
Special protective equipment and precautions for firefighters	None (non-combustible).
Fire fighting equipment/instructions	Move containers from fire area if you can do so without risk.
Specific methods	Use standard firefighting procedures and consider the hazards of other involved materials.
General fire hazards	No unusual fire or explosion hazards noted.

Section 6: Accidental Release Measures

Personal precautions, protective equipment and emergency procedures	Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.
Methods and materials for containment and cleaning up	This product is miscible in water. Large Spills: Absorb with inert ingredients such as vermiculate, earth or sand. Dispose in accordance with federal, state, and local regulations. Small Spills: Wash with water and flush down drain. Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.
Environmental precautions	This material is considered non-hazardous and contains no phosphates. All ingredients are biodegradable.

Section 7: Handling And Storage

Precautions for safe handling:	Do not get this material in contact with eyes. Avoid contact with eyes, skin, and clothing. Provide adequate ventilation. Wear appropriate personal protective equipment. Avoid release to the environment. Observe good industrial hygiene practices. Avoid contact with eyes, skin, and clothing. Do not taste or swallow. Wash thoroughly after handling.
Conditions for safe storage:	Store in original tightly closed container. Store away from incompatible materials (see Section 10 of the SDS).

Section 8: Exposure Controls/Personal Protection

Occupational exposure limits No exposure limits noted for ingredient(s).

Biological limit values No biological exposure limits noted for the ingredient(s).

Appropriate engineering controls Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Eye wash facilities and emergency shower must be available when handling this product.

Individual protection measures, such as personal protective equipment

Eye/face protection: Wear safety glasses with side shields (or goggles) and a face shield.

Skin protection

Hand protection: Wear chemical resistant gloves, footwear, and protective clothing appropriate for the risk of exposure. Contact health and safety professional or manufacturer for specific information.

Respiratory protection: In case of insufficient ventilation, wear suitable respiratory equipment.

General hygiene considerations: Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

Section 9: Physical And Chemical Properties

Information on basic physical and chemical properties

Appearance Clear

Physical State: Liquid

Color: Green

Odor: Lemon lime

Odor Threshold: Not available

pH: 9.7

Relative Evaporation Rate (butylacetate=1): > 1

Specific Gravity: >1.0

Freezing Point: N/A

Boiling Point: 769 mm hg 212° F

Pour point: Not determined

Vapor Density (Air = 1) : >1

Section 10: Stability And Reactivity

Stability: Stable under normal conditions.

Conditions to avoid: Do not add oxidizing agents such as bleach to the concentrate.

Hazardous decomposition products: Toxic decomposition gases can form from the burning of concentrated material.

Section 11: Toxicological Information

Information on likely routes of exposure

Inhalation: No adverse effects due to inhalation are expected.

Ingestion: Expected to be a low ingestion hazard.

Skin contact: Causes skin irritation.

Eye contact: Causes serious eye damage.

Symptoms related to the physical, chemical and toxicological characteristics:

Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result. Skin irritation. May cause redness and pain.

Information on toxicological effects

Acute toxicity

Components	Species	Test Results
4-nonylphenol, Branched, Ethoxylated (CAS 127087-87-0)		
Acute		
Oral		
LD50	Rat	2350-5720 mg/kg
Alpha-sulfo-omega-hydroxypoly(oxy-1,2-ethanidiyl)C10-16 Alkyl Ethers, Sodium Salts		
Acute		
Dermal		
LD50	Rat	>2000 mg/kg
Oral		
LD50	Rat	4100 mg/kg
Hydrotrope		
Acute		
Dermal		
LD50	Rabbit	>2000 mg/kg
Inhalation		
(Aerosol) LD50	Rat	> 6.41 mg/l, 232 Minutes
Oral		
LD50	Rat	>7000 mg/kg
Inorganic salt		
Acute		
Inhalation		
(Aerosol) LD50	Rat	> 2.4 mg/l, 4h
Oral		
LD50	Rat	>2000 mg/kg
Surfactant		
Acute		
Dermal		
LD50	Rat	>2000 mg/kg
Oral		
LD50	Rat	1080 mg/kg

* Estimates for product may be based on additional component data not shown.

Skin corrosion/irritation

Causes skin irritation.

Serious eye damage/eye irritation

Causes serious eye damage.

Respiratory or skin sensitization

Respiratory sensitization

Not a respiratory sensitizer.

Skin sensitization

This product is not expected to cause skin sensitization.

Germ cell mutagenicity

No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

Carcinogenicity

This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed

Reproductive toxicity

This product is not expected to cause reproductive or developmental effects.

Specific target organ toxicity - single exposure

Not classified.

Specific target organ toxicity - repeated exposure

Not classified.

Aspiration hazard

Not an aspiration hazard.

Section 12: Ecological Information

Environmental impact: All ingredients are biodegradable.

Section 13: Disposal Considerations

Waste treatment methods:

Disposal methods: Dispose of waste and residues in accordance with federal, state, and local regulations.

Section 14: Transport Information

Important note: Shipping descriptions may vary based on mode of transport, quantities, package size, and /or origin and destination. Consult your company's Hazardous Materials/Dangerous Goods expert for information specific to your situation.

DOT: Not regulated as dangerous goods.

IATA: Not regulated as dangerous goods.

IMDG: Not regulated as dangerous goods.

Section 15: Regulatory Information

Safety, health, and environmental regulations/legislation specific for the substance or mixture:

US federal regulations:

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

TSCA Chemical Action Plans, Chemicals of Concern

4-nonylphenol, Branched, Ethoxylated
(CAS 127087-87-0)

Nonylphenol (NP) and Nonylphenol Ethoxylates (NPEs) Action Plan

CERCLA Hazardous Substance List (40 CFR 302.4)

Not listed.

SARA 304 Emergency release notification

Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories
 Immediate Hazard - Yes
 Delayed Hazard - No
 Fire Hazard - No
 Pressure Hazard - No
 Reactivity Hazard - No

SARA 302 Extremely hazardous substance

Not listed.

SARA 311/312 Hazardous chemical No

SARA 313 (TRI reporting) Not regulated.

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not regulated.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

Safe Drinking Water Act (SDWA) Not regulated

Section 16: Other Information

HMIS® Hazard Ratings: Health – 1 *, Flammability – 0, Chemical Reactivity – 0, Personal Protection – A

Revision Note

No Information available

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

** HMIS® Rating involves data interpretations that may vary from company to company. They are intended only for rapid, general identification of the magnitude of the specific hazard. To deal adequately with the safe handling of this material, all the information contained in this SDS must be considered.*

End of Safety Data Sheet