

SAFETY DATA SHEET

according to US Regulation 29 CFR 1910.1200 and the Canadian HPA

SureKill® 904 Disinfectant

Version 1.7

Revision Date 2020.05.04

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SECTION 1. IDENTIFICATION

Product name : SureKill® 904 Disinfectant

Manufacturer or supplier's details

Company : NEOGEN Corporation
620 Leshar Place
Lansing, MI 48912
USA

Telephone : 1-800-234-5333
E-mail address : sds@neogen.com

Emergency telephone number : For incidents only (spill, leak, fire, exposure, or accident), call CHEMTREC at
1-800-424-9300 (inside North America) [CCN 864796]
1-703-741-5970 (outside North America) [CCN 864796]

+41 61 313 94 94 (24h)

Recommended use of the chemical and restrictions on use

Recommended use : Biocide

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification

Flammable liquids : Category 3
Acute toxicity (Oral) : Category 4
Acute toxicity (Dermal) : Category 4
Skin corrosion : Category 1B
Serious eye damage : Category 1
Short-term (acute) aquatic hazard : Category 1
Long-term (chronic) aquatic hazard : Category 2

GHS label elements

Hazard pictograms :



Signal word : Danger

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- Hazard statements : H226 Flammable liquid and vapour.
H302 + H312 Harmful if swallowed or in contact with skin.
H314 Causes severe skin burns and eye damage.
H400 Very toxic to aquatic life.
H411 Toxic to aquatic life with long lasting effects.
- Precautionary statements : **Prevention:**
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233 Keep container tightly closed.
P240 Ground and bond container and receiving equipment.
P241 Use explosion-proof electrical/ ventilating/ lighting equipment.
P242 Use non-sparking tools.
P243 Take action to prevent static discharges.
P264 Wash skin thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P273 Avoid release to the environment.
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
Response:
P301 + P312 + P330 IF SWALLOWED: Call a POISON CENTER/ doctor if you feel unwell. Rinse mouth.
P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.
P304 + P340 + P310 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/ doctor.
P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/ doctor.
P362 + P364 Take off contaminated clothing and wash it before reuse.
P370 + P378 In case of fire: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide to extinguish.
P391 Collect spillage.
Storage:
P403 + P235 Store in a well-ventilated place. Keep cool.
P405 Store locked up.
Disposal:
P501 Dispose of contents/container in accordance with local regulation.

Other hazards

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

Hazardous components

Chemical name / Synonyms	CAS-No.	Concentration (% w/w)
Quaternary ammonium compounds, di-C8-10-alkyldimethyl, chlorides	68424-95-3	>= 10 - < 15
Alkyl (C12-16) dimethylbenzyl ammonium	68424-85-1	>= 5 - < 10

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chloride		
Nonylphenol branched ethoxylated	127087-87-0	>= 5 - < 10
Ethanol	64-17-5	>= 4 - < 5
Tetrasodium ethylenediaminetetraacetate	64-02-8	>= 3 - < 5

SECTION 4. FIRST AID MEASURES

- If inhaled : Move to fresh air.
If unconscious, place in recovery position and seek medical advice.
If breathing is irregular or stopped, administer artificial respiration.
Call a physician or poison control centre immediately.
Keep respiratory tract clear.
- In case of skin contact : After contact with skin, wash immediately with plenty of soap and water.
Take off contaminated clothing and shoes immediately.
Immediate medical treatment is necessary as untreated wounds from corrosion of the skin heal slowly and with difficulty.
Take victim immediately to hospital.
- In case of eye contact : Rinse immediately with plenty of lukewarm water, also under the eyelids, for at least 15 minutes.
Call a physician immediately.
Remove contact lenses.
Keep eye wide open while rinsing.
Protect unharmed eye.
Continue rinsing eyes during transport to hospital.
Small amounts splashed into eyes can cause irreversible tissue damage and blindness.
- If swallowed : Clean mouth with water and drink afterwards plenty of water.
Do NOT induce vomiting.
Never give anything by mouth to an unconscious person.
Take victim immediately to hospital.
- Most important symptoms and effects, both acute and delayed : No information available.
- Notes to physician : Treat symptomatically.

SECTION 5. FIREFIGHTING MEASURES

- Suitable extinguishing media : Water spray
Alcohol-resistant foam
Dry chemical
- Unsuitable extinguishing media : High volume water jet
- Specific hazards during firefighting : Heating or fire can release toxic gas.
Do not allow run-off from fire fighting to enter drains or water courses.

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- Further information : Use water spray to cool unopened containers.
Collect contaminated fire extinguishing water separately. This must not be discharged into drains.
- Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.
Use personal protective equipment.

SECTION 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures : Use personal protective equipment.
Remove all sources of ignition.
Evacuate personnel to safe areas.
Use respirator when performing operations involving potential exposure to vapour of the product.
Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.
- Environmental precautions : Prevent product from entering drains.
Prevent further leakage or spillage if safe to do so.
- Methods and materials for containment and cleaning up : Neutralise with acid.
Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).
Non-sparking tools should be used.

SECTION 7. HANDLING AND STORAGE

- Advice on protection against fire and explosion : Keep away from open flames, hot surfaces and sources of ignition.
Take precautionary measures against static discharges.
- Advice on safe handling : Avoid formation of aerosol.
Do not breathe vapours/dust.
Avoid contact with skin and eyes.
Smoking, eating and drinking should be prohibited in the application area.
Take precautionary measures against static discharges.
Provide sufficient air exchange and/or exhaust in work rooms.
Open drum carefully as content may be under pressure.
To avoid spills during handling keep bottle on a metal tray.
Dispose of rinse water in accordance with local and national regulations.
- Conditions for safe storage : Keep container tightly closed.
Keep in a well-ventilated place.
Containers which are opened must be carefully resealed and kept upright to prevent leakage.
Electrical installations / working materials must comply with the technological safety standards.
To maintain product quality, do not store in heat or direct sunlight.
To prevent leaks or spillages from spreading, provide a suitable liquid retention system.
No smoking.

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- Materials to avoid : Do not store near acids.
- Further information on storage stability : No decomposition if stored and applied as directed.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
Ethanol	64-17-5	STEL	1,000 ppm	ACGIH
		REL	1,000 ppm 1,900 mg/m ³	NIOSH/GUIDE

Personal protective equipment

- Respiratory protection : In the case of vapour formation use a respirator with an approved filter.
Respirator with ABEK filter.

Respirator with a vapour filter (EN 141)
- Hand protection
- Material : Nitrile rubber
- Remarks : Wear protective gloves. Break through time : > 480 min
- Eye protection : Safety glasses with side-shields conforming to EN166
Wear face-shield and protective suit for abnormal processing problems.
- Skin and body protection : Choose body protection according to the amount and concentration of the dangerous substance at the work place.
Impervious clothing
- Hygiene measures : Avoid contact with skin, eyes and clothing.
When using do not eat or drink.
When using do not smoke.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

- Appearance : liquid
- Colour : no data available
- Odour : Varies with fragrance added
- Odour Threshold : no data available

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pH	:	13
Melting point/freezing point	:	no data available
Boiling point/boiling range	:	no data available
Flash point	:	124.99 °F / 51.66 °C
		Method: ASTM 4206 Does not sustain combustion.
Evaporation rate	:	no data available
Flammability (solid, gas)	:	no data available
Flammability (liquids)	:	Does not sustain combustion.
Self-ignition	:	no data available
Upper explosion limit	:	no data available
Lower explosion limit	:	no data available
Vapour pressure	:	no data available
Relative vapour density	:	no data available
Relative density	:	no data available
Density	:	no data available
Bulk density	:	no data available
Water solubility	:	soluble
Partition coefficient: n-octanol/water	:	no data available
Auto-ignition temperature	:	no data available
Decomposition temperature	:	no data available
Viscosity, dynamic	:	no data available
Viscosity, kinematic	:	no data available
Explosive properties	:	no data available
Oxidizing properties	:	no data available
Minimum ignition energy	:	no data available

SECTION 10. STABILITY AND REACTIVITY

Reactivity	:	No decomposition if stored and applied as directed.
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Chemical stability	:	Stable under recommended storage conditions.
Possibility of hazardous reactions	:	Stable under recommended storage conditions. Vapours may form explosive mixture with air.
Conditions to avoid	:	Heat, flames and sparks.
Incompatible materials	:	Strong acids and strong bases Oxidizing agents
Hazardous decomposition products	:	No decomposition if used as directed.

SECTION 11. TOXICOLOGICAL INFORMATION

Acute toxicity

Acute oral toxicity	:	LD50 (Rat): 1,050 mg/kg
Acute inhalation toxicity	:	Remarks: no data available
Acute dermal toxicity	:	LD50 (Rabbit): 1,100 mg/kg

Skin corrosion/irritation

Species: Rabbit
Result: severe irritant, possibly corrosive

Serious eye damage/eye irritation

Species: Rabbit
Result: Corrosive

Respiratory or skin sensitisation

Remarks: no data available

Germ cell mutagenicity

Genotoxicity in vitro : Remarks: no data available

Carcinogenicity

Remarks: no data available

IARC

No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

OSHA

No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

NTP

No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

ACGIH

Confirmed animal carcinogen with unknown relevance to humans
Ethanol

64-17-5

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Reproductive toxicity

Effects on fertility : Remarks: no data available

STOT - single exposure

Remarks: no data available

STOT - repeated exposure

Remarks: no data available

Aspiration toxicity

No aspiration toxicity classification

Further information

Remarks: Ingestion may cause nausea, vomiting, sore throat, stomach-ache and eventually lead to a perforation of the intestine.

Solvents may degrease the skin.

The following toxicological data refer to:

Alkyl (C12-16) dimethylbenzyl ammonium chloride(CAS-No.: 68424-85-1)

Acute toxicity

Acute oral toxicity : LD50 (Rat): ca. 344 mg/kg
GLP: no

Acute dermal toxicity : LD50 (Rabbit, male and female): 3,412 mg/kg
Method: OPPTS 870.1200
GLP: no

Skin corrosion/irritation

Species: Rabbit
Exposure time: 4 h
Method: DOT
Result: Corrosive
GLP: no

Respiratory or skin sensitisation

Test Type: Buehler Test
Species: Guinea pig
Assessment: Did not cause sensitisation on laboratory animals.
Method: OECD Test Guideline 406
Result: not sensitizing
GLP: yes

Germ cell mutagenicity

Genotoxicity in vitro : Test Type: Ames test
Species: Salmonella typhimurium
Metabolic activation: yes
Method: OECD Test Guideline 471
Result: not mutagenic
GLP: yes

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- : Test Type: Chromosome aberration test in vitro
Species: Human lymphocytes
Metabolic activation: yes
Method: OECD Test Guideline 473
Result: non clastogenic
GLP: yes

- : Test Type: gene mutation test
Species: Chinese hamster ovary cells
Metabolic activation: yes
Method: OECD Test Guideline 476
Result: not mutagenic
GLP: yes

- : Test Type: unscheduled DNA synthesis assay
Species: rat hepatocytes
Method: OECD Test Guideline 482
Result: negative
GLP: yes

- Genotoxicity in vivo : Test Type: In vivo micronucleus test
Species: Mouse (male and female)
Cell type: Bone marrow
Application Route: oral (gavage)
Method: OECD Test Guideline 474
Result: not mutagenic
GLP: yes

- Reproductive toxicity**
- Effects on fertility : Test Type: Two-generation study
Species: Rat, female
Application Route: Ingestion
Dose: 0-300-1000-2000 ppm
General Toxicity - Parent: NOAEL: 67 - 106 mg/kg body weight
General Toxicity F1: 54 - 86 mg/kg body weight
General Toxicity F2: NOAEL: 54 - 86 mg/kg body weight
Fertility: NOAEL: 112 - 161 mg/kg body weight
Method: OECD Test Guideline 416
Result: Animal testing did not show any effects on fertility.
GLP: yes

Test Type: Two-generation study
Species: Rat, male
Application Route: Ingestion
Dose: 0-300-1000-2000 ppm
General Toxicity - Parent: NOAEL: 51 - 102 mg/kg body weight
General Toxicity F1: NOAEL: 41 - 83 mg/kg body weight
General Toxicity F2: NOAEL: 41 - 83 mg/kg body weight
Fertility: NOAEL: 139 - 198 mg/kg body weight
Method: OECD Test Guideline 416
Result: Animal testing did not show any effects on fertility.
GLP: yes

- Effects on foetal development : Species: Rat
Strain: Sprague-Dawley
Application Route: Oral

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Dose: 0-10-30-100 milligram per kilogram
General Toxicity Maternal: NOEL: 8.1 mg/kg bw/day
Developmental Toxicity: NOAEL: 81 mg/kg body weight
Method: OECD Test Guideline 414
Result: No effects on fertility and early embryonic development were detected.
GLP: yes

Repeated dose toxicity

Species: Dog, female
NOAEL: 45 mg/kg
Application Route: Dietary
Exposure time: 90 d
Number of exposures: daily
Dose: 0-500-1500-3000 ppm

Species: Dog, male
NOAEL: 50 mg/kg
Application Route: Dietary
Exposure time: 90 d
Number of exposures: daily
Dose: 0-500-1500-3000 ppm

Species: Rat, male
NOAEL: 31 mg/kg
Application Route: Dietary
Exposure time: 90 d
Number of exposures: daily
Dose: 0-6-31-62 mg/kg
Method: OECD Test Guideline 408
GLP: yes

Species: Rat, female
NOAEL: 38 mg/kg
Application Route: Dietary
Exposure time: 90 d
Number of exposures: daily
Dose: 0-8-38-77 mg/kg
Method: OECD Test Guideline 408
GLP: yes

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Toxicity to fish : Remarks: no data available

Persistence and degradability

Biodegradability : Remarks: no data available

Bioaccumulative potential

Bioaccumulation : Remarks: no data available

Components:

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Quaternary ammonium compounds, di-C8-10-alkyldimethyl, chlorides:

Partition coefficient: n-octanol/water : log Pow: 2.59 (20 °C)
pH: 7
Method: Calculation method

Alkyl (C12-16) dimethylbenzyl ammonium chloride:

Partition coefficient: n-octanol/water : log Pow: 2.75 (20 °C)
Method: OECD Test Guideline 107
GLP: yes

Ethanol:

Partition coefficient: n-octanol/water : log Pow: -0.3

Mobility in soil

Distribution among environmental compartments : Remarks: no data available

Other adverse effects

Ozone-Depletion Potential : Regulation: US. EPA Clean Air Act (CAA) Section 602 Ozone-Depleting Substances (40 CFR 82, Subpt. A, App A & B)
Remarks: This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

Additional ecological information : An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.
Very toxic to aquatic life.
Toxic to aquatic life with long lasting effects.

The following ecotoxicological data refer to:

Alkyl (C12-16) dimethylbenzyl ammonium chloride(CAS-No.: 68424-85-1)

Ecotoxicity

Toxicity to fish : NOEC (Pimephales promelas (fathead minnow)): 0.0322 mg/l
Exposure time: 34 d
Test Type: Early-life Stage
Analytical monitoring: yes
Method: EPA-FIFRA
GLP: yes

NOEC (Lepomis macrochirus (Bluegill sunfish)): 0.456 mg/l
Exposure time: 96 h
Analytical monitoring: yes
Method: US-EPA
GLP: yes

LC50 (Lepomis macrochirus (Bluegill sunfish)): 0.515 mg/l
Exposure time: 96 h
Analytical monitoring: yes
Method: US-EPA
GLP: yes

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 0.016 mg/l
Exposure time: 48 h
Test Type: Immobilization

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		Analytical monitoring: yes Method: OECD Test Guideline 202 GLP: yes
		NOEC (Daphnia magna (Water flea)): >= 0.00415 mg/l Exposure time: 21 d Test Type: Reproduction Test Analytical monitoring: yes Method: EPA-FIFRA GLP: yes
Toxicity to algae	:	ErC50 (Pseudokirchneriella subcapitata (green algae)): 0.049 mg/l Exposure time: 72 h Test Type: Cell multiplication inhibition test Analytical monitoring: yes Method: OECD Test Guideline 201 GLP: yes
		EC50 (Lemna gibba): 0.12 mg/l Exposure time: 7 d Test Type: Growth inhibition Analytical monitoring: yes Method: US-EPA
		ErC50 (algae): 0.089 mg/l Exposure time: 96 h Test Type: Growth inhibition Analytical monitoring: yes Method: US-EPA GLP: yes
M-Factor (Acute aquatic toxicity)	:	10
M-Factor (Chronic aquatic toxicity)	:	1
Toxicity to microorganisms	:	EC50 (activated sludge): 7.75 mg/l Exposure time: 3 h Test Type: Respiration inhibition Method: OECD Test Guideline 209 GLP: yes
Toxicity to soil dwelling organisms	:	Test Type: Acute toxicity LC50 (Eisenia fetida (earthworms)): 7,070 mg/kg Exposure time: 14 d Method: OECD Test Guideline 207
		Test Type: Soil Microflora EC50: > 1,000 mg/kg Exposure time: 28 d Method: OECD Test Guideline 216 GLP: yes
Plant toxicity	:	EC50: 277 - 1,900 mg/kg Exposure time: 14 d End point: Growth inhibition Method: OECD Test Guideline 208
Persistence and degradability		
Biodegradability	:	Test Type: CO2 Evolution Test Concentration: 5 mg/l

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Result: Readily biodegradable.
Biodegradation: 95.5 %
Exposure time: 28 d
Method: OECD Test Guideline 301B
GLP: no

Stability in water : Degradation half life: > 1 y (20 °C) pH: 7
Method: Directive 67/548/EEC, Annex V, C.10.
GLP: yes

Bioaccumulative potential

Bioaccumulation : Species: Lepomis macrochirus (Bluegill sunfish)
Bioconcentration factor (BCF): 79
Exposure time: 35 d
Concentration: 0.076 mg/l
Method: US-EPA
GLP: yes
Remarks: Does not bioaccumulate.

Mobility in soil

Distribution among environmental compartments : Absorption / desorption
Medium: Soil
Koc: 282624 L/kgKd: 13,630, log Kd: 3.13
Method: OECD Test Guideline 106

Other adverse effects

no data available

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods

Waste from residues : Dispose of contents/container in accordance with local regulation.
Contact waste disposal services.
Do not dispose of waste into sewer.
The product should not be allowed to enter drains, water courses or the soil.

Contaminated packaging : Dispose of as unused product.
Do not re-use empty containers.
Do not burn, or use a cutting torch on, the empty drum.

SECTION 14. TRANSPORT INFORMATION

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DOT

UN number : 1903
Proper shipping name : Disinfectants, liquid, corrosive n.o.s.
(Dialkyldimethylammonium chloride, Ethanol)
Transport hazard class : 8
Packing group : II
Labels : 8
Emergency Response Guidebook : 153
Number
Environmental hazards : no

TDG

UN number : 2920
Proper shipping name : CORROSIVE LIQUID, FLAMMABLE, N.O.S.
(Dialkyldimethylammonium chloride, Ethanol)
Transport hazard class : 8
Packing group : II
Labels : 8 (3)
Environmental hazards : no

IATA

UN number : 2920
Proper shipping name : Corrosive liquid, flammable, n.o.s.
(Dialkyldimethylammonium chloride, Ethanol)
Transport hazard class : 8
Packing group : II
Labels : 8 (3)
Environmental hazards : no

IMDG

UN number : 2920
Proper shipping name : Corrosive liquid, flammable, n.o.s.
(Dialkyldimethylammonium chloride, Ethanol)
Transport hazard class : 8
Packing group : II
Labels : 8 (3)
EmS Number 1 : F-E
EmS Number 2 : S-C
Environmental hazards : Marine pollutant: yes

ADR

UN number : 2920
Proper shipping name : CORROSIVE LIQUID, FLAMMABLE, N.O.S.
(Dialkyldimethylammonium chloride, Ethanol)
Transport hazard class : 8
Packing group : II
Classification Code : CF1
Hazard Identification Number : 83
Labels : 8 (3)
Environmental hazards : yes

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RID

UN number : 2920
Proper shipping name : CORROSIVE LIQUID, FLAMMABLE, N.O.S.
 (Dialkyldimethylammonium chloride, Ethanol)
Transport hazard class : 8
Packing group : II
 Classification Code : CF1
 Hazard Identification Number : 83
 Labels : 8 (3)
Environmental hazards : yes

Special precautions for user : none

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code : Not applicable

SECTION 15. REGULATORY INFORMATION

This chemical is a pesticide product registered by the United States Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets (SDS), and for workplace labels of non-pesticide chemicals.

EPA Registration number : 6836-78-61282
 Signal word : DANGER!
 Hazard statements : Harmful if swallowed.
 Harmful if absorbed through skin.
 Corrosive. Causes skin burns.
 Corrosive - causes irreversible eye damage.

EPCRA - Emergency Planning and Community Right-to-Know Act

CERCLA Reportable Quantity

Components	CAS-No.	Component RQ (lbs)	Calculated product RQ (lbs)
Ethanol	64-17-5	100	2325

SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

SARA 311/312 Hazards

See above: SECTION 2. Hazard Identification-GHS Classification

SARA 313

Components	CAS-No.	Concentration
Nonylphenol branched ethoxylated	127087-87-0	>= 5 - < 10 %

Clean Air Act

This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

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This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

The following chemical(s) are listed under the U.S. Clean Air Act Section 111 SOCM I Intermediate or Final VOC's (40 CFR 60.489):

Components	CAS-No.	Concentration
Ethanol	64-17-5	>= 1 - < 5 %

This product does not contain any VOC exemptions listed under the U.S. Clean Air Act Section 450.

Clean Water Act

This product does not contain any Hazardous Chemicals listed under the U.S. CleanWater Act, Section 311, Table 117.3.

This product does not contain any Hazardous Substances listed under the U.S. CleanWater Act, Section 311, Table 116.4A.

This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307

US State Regulations

Massachusetts Right To Know

Components	CAS-No.
Ethanol	64-17-5

Pennsylvania Right To Know

Components	CAS-No.
Water	7732-18-5
Quaternary ammonium compounds, di-C8-10-alkyldimethyl, chlorides	68424-95-3
Alkyl (C12-16) dimethylbenzyl ammonium chloride	68424-85-1
Nonylphenol branched ethoxylated	127087-87-0
Ethanol	64-17-5
Tetrasodium ethylenediaminetetraacetate	64-02-8

California Prop. 65

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

Canadian lists

NPRI

Components	CAS-No.
Nonylphenol branched ethoxylated	127087-87-0

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SECTION 16. OTHER INFORMATION

Full text of other abbreviations

ACGIH : US. ACGIH Threshold Limit Values
NIOSH/GUIDE : US. NIOSH: Pocket Guide to Chemical Hazards, as amended

AICS - Australian Inventory of Chemical Substances; ASTM - American Society for the Testing of Materials; bw - Body weight; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DOT - Department of Transportation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; EHS - Extremely Hazardous Substance; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; HMIS - Hazardous Materials Identification System; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; MSHA - Mine Safety and Health Administration; n.o.s. - Not Otherwise Specified; NFPA - National Fire Protection Association; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; RCRA - Resource Conservation and Recovery Act; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RQ - Reportable Quantity; SADT - Self-Accelerating Decomposition Temperature; SARA - Superfund Amendments and Reauthorization Act; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

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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.

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