

**1. Identification**

<b>Product identifier</b>	<b>Rogers Action Cleaning Gel</b>		
<b>Other means of identification</b>			
<b>SDS number</b>	64381		
<b>Part No.</b>	64381		
<b>Tariff code</b>	3402.90.5030		
<b>Recommended use</b>	Cleaner		
<b>Recommended restrictions</b>	None known.		
<b>Manufacturer/Importer/Supplier/Distributor information</b>			
<b>Manufacturer</b>			
<b>Company name</b>	RSC Chemical Solutions		
<b>Address</b>	600 Radiator Road Indian Trail, NC 28079 United States		
<b>Telephone</b>	Customer Service:	(704) 821-7643	
	Technical:	(704) 821-7643	
<b>Website</b>	www.rscbrands.com		
<b>E-mail</b>	sds@rscbrands.com		
<b>Emergency phone number</b>	Poison Control	(303) 623-5716	
	Poison Control	877-740-5015	

**2. Hazard(s) identification**

<b>Physical hazards</b>	Not classified.		
<b>Health hazards</b>	Acute toxicity, oral	Category 5	
	Skin corrosion/irritation	Category 2	
	Serious eye damage/eye irritation	Category 1	
	Sensitization, skin	Category 1	
	Specific target organ toxicity, repeated exposure	Category 2	
<b>Environmental hazards</b>	Not classified.		
<b>OSHA defined hazards</b>	Not classified.		
<b>Label elements</b>			



<b>Signal word</b>	Danger		
<b>Hazard statement</b>	May be harmful if swallowed. Causes skin irritation. May cause an allergic skin reaction. Causes serious eye damage. May cause damage to organs through prolonged or repeated exposure.		
<b>Precautionary statement</b>			
<b>Prevention</b>	Do not breathe mist or vapor. Wash thoroughly after handling. Contaminated work clothing must not be allowed out of the workplace. Wear eye protection/face protection. Wear protective gloves.		
<b>Response</b>	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. Immediately call a poison center/doctor. If skin irritation or rash occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse.		
<b>Storage</b>	Store away from incompatible materials.		
<b>Disposal</b>	Dispose of contents/container in accordance with local/regional/national/international regulations.		

**Hazard(s) not otherwise classified (HNOC)**

None known.

**Supplemental information**

NOTE: This product is a consumer product and is labeled in accordance with the US Consumer Product Safety Commission regulations which take precedence over OSHA Hazard Communication labeling. The container label may not include the OSHA label elements listed in this document. Always carefully review the entire SDS and the product label prior to use in the workplace.

### 3. Composition/information on ingredients

#### Mixtures

Chemical name	Common name and synonyms	CAS number	%
Water		7732-18-5	60 - < 70
Triethanolamine		102-71-6	20 - < 30
Butoxyethanol		111-76-2	10 - < 20
Diethanolamine		111-42-2	3 - < 5
Morpholine		110-91-8	1 - < 3
Nonoxynol		9016-45-9	1 - < 3
Oleic Acid		112-80-1	< 1
Sodium Nitrite		7632-00-0	< 0.2
Sodium Chloride		7647-14-5	< 0.1
Other components below reportable levels			1 - < 3

\*Designates that a specific chemical identity and/or percentage of composition has been withheld as a trade secret.

### 4. First-aid measures

<b>Inhalation</b>	Move to fresh air. Call a physician if symptoms develop or persist.
<b>Skin contact</b>	Remove contaminated clothing immediately and wash skin with soap and water. In case of eczema or other skin disorders: Seek medical attention and take along these instructions. Wash contaminated clothing before reuse.
<b>Eye contact</b>	Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately.
<b>Ingestion</b>	Rinse mouth. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. Get medical advice/attention if you feel unwell.
<b>Most important symptoms/effects, acute and delayed</b>	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. May cause an allergic skin reaction. Dermatitis. Rash. Prolonged exposure may cause chronic effects.
<b>Indication of immediate medical attention and special treatment needed</b>	Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.
<b>General information</b>	If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance. Wash contaminated clothing before reuse.

### 5. Fire-fighting measures

<b>Suitable extinguishing media</b>	Alcohol resistant foam. Dry powder. Carbon dioxide (CO <sub>2</sub> ).
<b>Unsuitable extinguishing media</b>	Do not use water jet as an extinguisher, as this will spread the fire.
<b>Specific hazards arising from the chemical</b>	During fire, gases hazardous to health may be formed.
<b>Special protective equipment and precautions for firefighters</b>	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
<b>Fire fighting equipment/instructions</b>	Move containers from fire area if you can do so without risk.
<b>Specific methods</b>	Use standard firefighting procedures and consider the hazards of other involved materials.
<b>General fire hazards</b>	No unusual fire or explosion hazards noted.

## 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 breathe mist or vapor. 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**

Use water spray to reduce vapors or divert vapor cloud drift. This material is classified as a water pollutant under the Clean Water Act and should be prevented from contaminating soil or from entering sewage and drainage systems which lead to waterways.

Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS. Avoid discharge into drains, water courses or onto the ground.

**Environmental precautions**

## 7. Handling and storage

**Precautions for safe handling**

Do not get in eyes, on skin, or on clothing. Do not taste or swallow. Avoid prolonged exposure. When using, do not eat, drink or smoke. Provide adequate ventilation. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Observe good industrial hygiene practices.

**Conditions for safe storage, including any incompatibilities**

Store in tightly closed container. Keep out of the reach of children. Store away from incompatible materials (see Section 10 of the SDS).

## 8. Exposure controls/personal protection

**Occupational exposure limits**

The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit. At this time, the other constituents have no known exposure limits.

**US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)**

Components	Type	Value
Butoxyethanol (CAS 111-76-2)	PEL	240 mg/m3
		50 ppm
Morpholine (CAS 110-91-8)	PEL	70 mg/m3
		20 ppm

**US. ACGIH Threshold Limit Values**

Components	Type	Value	Form
Butoxyethanol (CAS 111-76-2)	TWA	20 ppm	
Diethanolamine (CAS 111-42-2)	TWA	1 mg/m3	Inhalable fraction and vapor.
Morpholine (CAS 110-91-8)	TWA	20 ppm	
Triethanolamine (CAS 102-71-6)	TWA	5 mg/m3	

**US. NIOSH: Pocket Guide to Chemical Hazards**

Components	Type	Value
Butoxyethanol (CAS 111-76-2)	TWA	24 mg/m3
		5 ppm
Diethanolamine (CAS 111-42-2)	TWA	15 mg/m3
		3 ppm
Morpholine (CAS 110-91-8)	STEL	105 mg/m3
		30 ppm

**US. NIOSH: Pocket Guide to Chemical Hazards**

Components	Type	Value
	TWA	70 mg/m <sup>3</sup> 20 ppm

**Biological limit values****ACGIH Biological Exposure Indices**

Components	Value	Determinant	Specimen	Sampling Time
Butoxyethanol (CAS 111-76-2)	200 mg/g	Butoxyacetic acid (BAA), with hydrolysis	Creatinine in urine	*

\* - For sampling details, please see the source document.

**Exposure guidelines****US - California OELs: Skin designation**

Butoxyethanol (CAS 111-76-2)	Can be absorbed through the skin.
Diethanolamine (CAS 111-42-2)	Can be absorbed through the skin.
Morpholine (CAS 110-91-8)	Can be absorbed through the skin.

**US - Minnesota Haz Subs: Skin designation applies**

Butoxyethanol (CAS 111-76-2)	Skin designation applies.
Morpholine (CAS 110-91-8)	Skin designation applies.

**US - Tennessee OELs: Skin designation**

Butoxyethanol (CAS 111-76-2)	Can be absorbed through the skin.
Morpholine (CAS 110-91-8)	Can be absorbed through the skin.

**US ACGIH Threshold Limit Values: Skin designation**

Diethanolamine (CAS 111-42-2)	Can be absorbed through the skin.
Morpholine (CAS 110-91-8)	Can be absorbed through the skin.

**US NIOSH Pocket Guide to Chemical Hazards: Skin designation**

Butoxyethanol (CAS 111-76-2)	Can be absorbed through the skin.
Morpholine (CAS 110-91-8)	Can be absorbed through the skin.

**US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)**

Butoxyethanol (CAS 111-76-2)	Can be absorbed through the skin.
Morpholine (CAS 110-91-8)	Can be absorbed through the skin.

**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. Provide eyewash station and safety shower.

**Individual protection measures, such as personal protective equipment**

**Eye/face protection** Chemical respirator with organic vapor cartridge and full facepiece. Applicable for industrial settings only.

**Skin protection**

**Hand protection** Wear appropriate chemical resistant gloves. Applicable for industrial settings only.

**Other**

Wear appropriate chemical resistant clothing. Use of an impervious apron is recommended. Applicable for industrial settings only.

**Respiratory protection**

Chemical respirator with organic vapor cartridge and full facepiece. Chemical respirator with organic vapor cartridge and full facepiece if threshold limits are exceeded. Applicable for industrial settings only.

**Thermal hazards**

Wear appropriate thermal protective clothing, when necessary.

**General hygiene considerations**

Keep away from food and drink. 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. Contaminated work clothing should not be allowed out of the workplace.

**9. Physical and chemical properties**

<b>Appearance</b>	Clear.
<b>Physical state</b>	Liquid.
<b>Form</b>	Liquid. Gel.
<b>Color</b>	Colorless

<b>Odor</b>	Ester-like.
<b>Odor threshold</b>	Not available.
<b>pH</b>	10 - 11
<b>Melting point/freezing point</b>	14.01 °F (-10 °C) estimated
<b>Initial boiling point and boiling range</b>	538.15 °F (281.19 °C) estimated
<b>Flash point</b>	> 201.0 °F (> 93.9 °C)
<b>Evaporation rate</b>	Not available.
<b>Flammability (solid, gas)</b>	Not applicable.
<b>Upper/lower flammability or explosive limits</b>	
<b>Flammability limit - lower (%)</b>	Not available.
<b>Flammability limit - upper (%)</b>	Not available.
<b>Explosive limit - lower (%)</b>	Not available.
<b>Explosive limit - upper (%)</b>	Not available.
<b>Vapor pressure</b>	0.08755 hPa estimated
<b>Vapor density</b>	Not available.
<b>Relative density</b>	Not available.
<b>Solubility(ies)</b>	
<b>Solubility (water)</b>	Not available.
<b>Partition coefficient (n-octanol/water)</b>	Not available.
<b>Auto-ignition temperature</b>	446 °F (230 °C) estimated
<b>Decomposition temperature</b>	Not available.
<b>Viscosity</b>	Not available.
<b>Other information</b>	
<b>Brookfield viscosity</b>	> 1225 cP
<b>Density</b>	8.01 lbs/gal
<b>Explosive properties</b>	Not explosive.
<b>Flammability class</b>	Combustible III B estimated
<b>Oxidizing properties</b>	Not oxidizing.
<b>Percent volatile</b>	70.97 % estimated
<b>Specific gravity</b>	1.05103 estimated
<b>VOC</b>	35 % w/w

## 10. Stability and reactivity

<b>Reactivity</b>	The product is stable and non-reactive under normal conditions of use, storage and transport.
<b>Chemical stability</b>	Material is stable under normal conditions.
<b>Possibility of hazardous reactions</b>	Hazardous polymerization does not occur.
<b>Conditions to avoid</b>	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. Avoid temperatures exceeding the flash point. Contact with incompatible materials.
<b>Incompatible materials</b>	Strong oxidizing agents. Peroxides. Phenols.
<b>Hazardous decomposition products</b>	No hazardous decomposition products are known.

## 11. Toxicological information

### Information on likely routes of exposure

<b>Inhalation</b>	Prolonged inhalation may be harmful.
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**Skin contact**

Causes skin irritation. May cause an allergic skin reaction.

2-Butoxy ethanol may be absorbed through the skin in toxic amounts if contact is repeated and prolonged. These effects have not been observed in humans.

Prolonged or repeated exposure may cause liver and kidney damage. These effects have not been observed in humans.

**Eye contact**

Causes serious eye damage.

**Ingestion**

May be harmful if swallowed.

**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. May cause an allergic skin reaction. Dermatitis. Rash.

**Information on toxicological effects**

**Acute toxicity** May be harmful if swallowed.

<b>Components</b>	<b>Species</b>	<b>Test Results</b>
Butoxyethanol (CAS 111-76-2)		
<b><u>Acute</u></b>		
<b>Dermal</b>		
LD50	Rabbit	1060 mg/kg, 24 Hours
<b>Oral</b>		
LD50	Rat	530 - 2800 mg/kg
Diethanolamine (CAS 111-42-2)		
<b><u>Acute</u></b>		
<b>Oral</b>		
LD50	Rat	710 mg/kg
Morpholine (CAS 110-91-8)		
<b><u>Acute</u></b>		
<b>Oral</b>		
LD50	Rat	1.05 g/kg
Nonoxynol (CAS 9016-45-9)		
<b><u>Acute</u></b>		
<b>Oral</b>		
LD50	Mouse	4290 mg/kg
Oleic Acid (CAS 112-80-1)		
<b><u>Acute</u></b>		
<b>Dermal</b>		
LD50	Guinea pig	> 3000 mg/kg
<b>Oral</b>		
LD50	Rat	74 g/kg
Sodium Chloride (CAS 7647-14-5)		
<b><u>Acute</u></b>		
<b>Oral</b>		
LD50	Rat	3000 mg/kg
Sodium Nitrite (CAS 7632-00-0)		
<b><u>Acute</u></b>		
<b>Oral</b>		
LD50	Rat	85 mg/kg
Triethanolamine (CAS 102-71-6)		
<b><u>Acute</u></b>		
<b>Dermal</b>		
LD50	Rabbit	> 2000 mg/kg

Components	Species	Test Results
<b>Oral</b> LD50	Rat	6400 mg/kg
<b>Skin corrosion/irritation</b>	Causes skin irritation.	
<b>Serious eye damage/eye irritation</b>	Causes serious eye damage.	
<b>Respiratory or skin sensitization</b>		
<b>Respiratory sensitization</b>	Not a respiratory sensitizer.	
<b>Skin sensitization</b>	May cause an allergic skin reaction.	
<b>Germ cell mutagenicity</b>	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.	
<b>Carcinogenicity</b>	Risk of cancer cannot be excluded with prolonged exposure.	
<b>IARC Monographs. Overall Evaluation of Carcinogenicity</b>		
Butoxyethanol (CAS 111-76-2)	3 Not classifiable as to carcinogenicity to humans.	
Diethanolamine (CAS 111-42-2)	2B Possibly carcinogenic to humans.	
Morpholine (CAS 110-91-8)	3 Not classifiable as to carcinogenicity to humans.	
Triethanolamine (CAS 102-71-6)	3 Not classifiable as to carcinogenicity to humans.	
<b>OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052)</b>		
Not regulated.		
<b>US. National Toxicology Program (NTP) Report on Carcinogens</b>		
Not listed.		
<b>Reproductive toxicity</b>	This product is not expected to cause reproductive or developmental effects.	
<b>Specific target organ toxicity - single exposure</b>	Not classified.	
<b>Specific target organ toxicity - repeated exposure</b>	May cause damage to organs through prolonged or repeated exposure.	
<b>Aspiration hazard</b>	Not an aspiration hazard.	
<b>Chronic effects</b>	May cause damage to organs through prolonged or repeated exposure. May be harmful if absorbed through skin. Prolonged inhalation may be harmful.	
	2-Butoxy ethanol may be absorbed through the skin in toxic amounts if contact is repeated and prolonged. These effects have not been observed in humans.	
	Prolonged exposure may cause chronic effects.	
	Prolonged or repeated exposure may cause liver and kidney damage. These effects have not been observed in humans.	

## 12. Ecological information

**Ecotoxicity** The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Components	Species	Test Results
Butoxyethanol (CAS 111-76-2)		
<b>Aquatic</b>		
Fish	LC50	Inland silverside ( <i>Menidia beryllina</i> ) 1250 mg/l, 96 hours
Diethanolamine (CAS 111-42-2)		
<b>Aquatic</b>		
Crustacea	EC50	Water flea ( <i>Ceriodaphnia dubia</i> ) 61.8 - 86.04 mg/l, 48 hours
Fish	LC50	Fathead minnow ( <i>Pimephales promelas</i> ) 100 mg/l, 96 hours
Morpholine (CAS 110-91-8)		
<b>Aquatic</b>		
Fish	LC50	Zebra danio ( <i>Danio rerio</i> ) > 1 mg/l, 96 hours
Nonoxynol (CAS 9016-45-9)		
<b>Aquatic</b>		
Crustacea	EC50	Water flea ( <i>Daphnia magna</i> ) 12.2 mg/l, 48 hours

Components	Species	Test Results
Fish	LC50	Bluegill ( <i>Lepomis macrochirus</i> )
Oleic Acid (CAS 112-80-1)		1 - 1.8 mg/l, 96 hours
<b>Aquatic</b>		
Fish	LC50	Fathead minnow ( <i>Pimephales promelas</i> )
Sodium Chloride (CAS 7647-14-5)		205 mg/l, 96 hours
<b>Aquatic</b>		
Crustacea	EC50	Water flea ( <i>Daphnia magna</i> )
Fish	LC50	Fathead minnow ( <i>Pimephales promelas</i> )
Sodium Nitrite (CAS 7632-00-0)		340.7 - 469.2 mg/l, 48 hours
<b>Aquatic</b>		
Crustacea	EC50	Greasyback shrimp ( <i>Metapenaeus ensis</i> )
Fish	LC50	Rainbow trout, donaldson trout ( <i>Oncorhynchus mykiss</i> )
Triethanolamine (CAS 102-71-6)		16.14 - 26.61 mg/l, 48 hours
<b>Aquatic</b>		
Crustacea	EC50	Water flea ( <i>Ceriodaphnia dubia</i> )
Fish	LC50	Fathead minnow ( <i>Pimephales promelas</i> )
		10610 - 13010 mg/l, 96 hours

**Persistence and degradability** No data is available on the degradability of any ingredients in the mixture.

**Bioaccumulative potential**

**Partition coefficient n-octanol / water (log Kow)**

Butoxyethanol	0.81 log Pow, at 25 °C
Diethanolamine	-1.43
Morpholine	-0.86
Triethanolamine	-1

**Mobility in soil** No data available.

**Other adverse effects** The product contains volatile organic compounds which have a photochemical ozone creation potential.

### 13. Disposal considerations

<b>Disposal instructions</b>	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of contents/container in accordance with local/regional/national/international regulations.
<b>Local disposal regulations</b>	Dispose in accordance with all applicable regulations.
<b>Hazardous waste code</b>	The waste code should be assigned in discussion between the user, the producer and the waste disposal company.
<b>Waste from residues / unused products</b>	Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).
<b>Contaminated packaging</b>	Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

### 14. Transport information

**DOT**

<b>UN number</b>	UN3082
<b>UN proper shipping name</b>	Environmentally hazardous substances, liquid, n.o.s. (Nonoxynol), MARINE POLLUTANT, Limited Quantity
<b>Transport hazard class(es)</b>	
<b>Class</b>	9
<b>Subsidiary risk</b>	-
<b>Label(s)</b>	9
<b>Packing group</b>	III
<b>Environmental hazards</b>	
<b>Marine pollutant</b>	Yes
<b>Special precautions for user</b>	Read safety instructions, SDS and emergency procedures before handling.
<b>Special provisions</b>	8, 146, 335, IB3, T4, TP1, TP29



Packaging exceptions 155  
Packaging non bulk 203  
Packaging bulk 241

**IATA**

UN number UN3082  
UN proper shipping name Environmentally hazardous substance, liquid, n.o.s. (Nonoxynol), Limited Quantity  
Transport hazard class(es)  
Class 9  
Subsidiary risk -  
Packing group III  
Environmental hazards Yes  
ERG Code 9L  
Special precautions for user Read safety instructions, SDS and emergency procedures before handling.

**Other information**

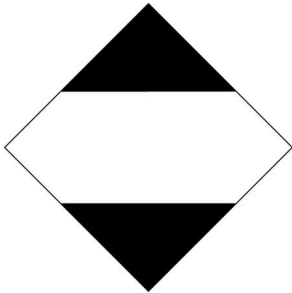
Passenger and cargo aircraft Allowed with restrictions.  
Cargo aircraft only Allowed with restrictions.

**IMDG**

UN number UN3082  
UN proper shipping name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Nonoxynol), MARINE POLLUTANT, Limited Quantity  
Transport hazard class(es)  
Class 9  
Subsidiary risk -  
Packing group III  
Environmental hazards  
Marine pollutant Yes  
EmS F-A, S-F  
Special precautions for user Read safety instructions, SDS and emergency procedures before handling.

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

**DOT; IMDG**



**IATA**



## Marine pollutant



### General information

IMDG Regulated Marine Pollutant. DOT Regulated Marine Pollutant.

## 15. Regulatory information

### US federal regulations

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

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

Nonoxynol (CAS 9016-45-9) 1.0 % One-Time Export Notification only.  
Sodium Nitrite (CAS 7632-00-0) 1.0 % One-Time Export Notification only.

#### TSCA Chemical Action Plans, Chemicals of Concern

Nonoxynol (CAS 9016-45-9) Nonylphenol (NP) and Nonylphenol Ethoxylates (NPEs) Action Plan

#### CERCLA Hazardous Substance List (40 CFR 302.4)

Butoxyethanol (CAS 111-76-2) Listed.  
Diethanolamine (CAS 111-42-2) Listed.  
Morpholine (CAS 110-91-8) Listed.  
Nonoxynol (CAS 9016-45-9) Listed.  
Sodium Nitrite (CAS 7632-00-0) Listed.

#### SARA 304 Emergency release notification

Not regulated.

#### OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052)

Not regulated.

### Superfund Amendments and Reauthorization Act of 1986 (SARA)

#### SARA 302 Extremely hazardous substance

Not listed.

#### SARA 311/312 Hazardous chemical

No (Exempt)

#### SARA 313 (TRI reporting)

Chemical name	CAS number	% by wt.
Butoxyethanol	111-76-2	10 - < 20
Diethanolamine	111-42-2	3 - < 5
Nonoxynol	9016-45-9	1 - < 3

### Other federal regulations

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

Diethanolamine (CAS 111-42-2)  
Nonoxynol (CAS 9016-45-9)

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

Not regulated.

#### Safe Drinking Water Act (SDWA)

Not regulated.

### US state regulations

#### California Proposition 65



**WARNING:** This product can expose you to Diethanolamine, which is known to the State of California to cause cancer, and Methoxyethanol, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

#### California Proposition 65 - CRT: Listed date/Carcinogenic substance

Diethanolamine (CAS 111-42-2) Listed: June 22, 2012

**California Proposition 65 - CRT: Listed date/Developmental toxin**

Methoxyethanol (CAS 109-86-4) Listed: January 1, 1989

**California Proposition 65 - CRT: Listed date/Male reproductive toxin**

Methoxyethanol (CAS 109-86-4) Listed: January 1, 1989

**US. California. Candidate Chemicals List. Safer Consumer Products Regulations (Cal. Code Regs, tit. 22, 69502.3, subd. (a))**

Butoxyethanol (CAS 111-76-2)

Diethanolamine (CAS 111-42-2)

Nonoxynol (CAS 9016-45-9)

**International Inventories**

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	No
Canada	Domestic Substances List (DSL)	No
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	No
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	No
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	No
New Zealand	New Zealand Inventory	No
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	No
Taiwan	Taiwan Chemical Substance Inventory (TCSI)	No
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	No

\*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

**16. Other information, including date of preparation or last revision**

<b>Issue date</b>	04-26-2016
<b>Revision date</b>	07-24-2019
<b>Version #</b>	02
<b>HMIS® ratings</b>	Health: 3* Flammability: 1 Physical hazard: 0
<b>NFPA ratings</b>	Health: 3 Flammability: 1 Instability: 0
<b>NFPA ratings</b>	

**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.

**Revision information**

This document has undergone significant changes and should be reviewed in its entirety.