

## 1. Product and Company Identification

<b>Product identifier</b>	<b>Spray-On Cleaner</b>
<b>Other means of identification</b>	Not available
<b>Recommended use</b>	Cleaner
<b>Recommended restrictions</b>	None known.
<b>Manufacturer information</b>	NC Brands 40 Richards Ave. Norwalk, CT 06854 US Phone: (800) 753-1233 Emergency Phone: CHEMTREC (800) 424-9300
<b>Supplier</b>	See above.

## 2. Hazards Identification

<b>Physical hazards</b>	Not classified.	
<b>Health hazards</b>	Serious eye damage/eye irritation	Category 2
	Sensitization, skin	Category 1
<b>Environmental hazards</b>	Not classified.	
<b>WHMIS 2015 defined hazards</b>	Not classified	
<b>Label elements</b>		



<b>Signal word</b>	Warning	
<b>Hazard statement</b>	May cause an allergic skin reaction. Causes serious eye irritation.	
<b>Precautionary statement</b>		
<b>Prevention</b>	Wash thoroughly after handling. Wear eye/face protection. Wear protective gloves. Avoid breathing mist or vapor. Contaminated work clothing should not be allowed out of the workplace.	
<b>Response</b>	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. IF ON SKIN: Wash with plenty of water. If skin irritation or rash occurs: Get medical advice/attention. Specific treatment (see information on this label). Take off contaminated clothing and wash it 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.	
<b>WHMIS 2015: Health Hazard(s) not otherwise classified (HHNOC)</b>	None known	
<b>WHMIS 2015: Physical Hazard(s) not otherwise classified (PHNOC)</b>	None known	
<b>Hazard(s) not otherwise classified (HNOC)</b>	None known.	
<b>Supplemental information</b>	Not applicable.	

## 3. Composition/Information on Ingredients

### Mixture

Chemical name	Common name and synonyms	CAS number	%
Polydimethyldiallylammonium chloride		26062-79-3	3
Alcohols, C9-11, ethoxylated		68439-46-3	1
d-Limonene		5989-27-5	1
Ethoxylated nonyl phenol		9016-45-9	1

Chemical name	Common name and synonyms	CAS number	%
1,3,5-Triazine-1,3,5-triethanol		4719-04-4	0.3

All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

#### 4. First Aid Measures

<b>Inhalation</b>	If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. Call a physician if symptoms develop or persist.
<b>Skin contact</b>	IF ON SKIN: Wash with plenty of water. If skin irritation or rash occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse. Specific treatment (see information on this label).
<b>Eye contact</b>	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
<b>Ingestion</b>	Rinse mouth. If ingestion of a large amount does occur, call a poison control center immediately.
<b>Most important symptoms/effects, acute and delayed</b>	Symptoms may include stinging, tearing, redness, swelling, and blurred vision. May cause an allergic skin reaction. Dermatitis. Rash.
<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>	Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Wash contaminated clothing before reuse. Avoid contact with eyes and skin. Wear rubber gloves and safety glasses with side shields.

#### 5. Fire Fighting Measures

<b>Suitable extinguishing media</b>	Foam. Dry chemical powder. Carbon dioxide (CO2).
<b>Unsuitable extinguishing media</b>	None known.
<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.
<b>Hazardous combustion products</b>	May include and are not limited to: Oxides of carbon. Oxides of nitrogen.

#### 6. Accidental Release Measures

<b>Personal precautions, protective equipment and emergency procedures</b>	Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Avoid inhalation of vapors or mists. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.
<b>Methods and materials for containment and cleaning up</b>	Stop the flow of material, if this is without risk.  Large Spills: Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth and place into containers. Prevent entry into waterways, sewer, basements or confined areas. 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.
<b>Environmental precautions</b>	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.

#### 7. Handling and Storage

<b>Precautions for safe handling</b>	Avoid contact with eyes, skin and clothing. Avoid breathing mist or vapor. Avoid prolonged exposure. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices. Use care in handling/storage.
<b>Conditions for safe storage, including any incompatibilities</b>	Keep container tightly closed. Store away from incompatible materials (see Section 10 of the SDS).

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## 8. Exposure Controls/Personal Protection

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### Occupational exposure limits

#### US. AIHA Workplace Environmental Exposure Level (WEEL) Guides

Components	Type	Value
d-Limonene (CAS 5989-27-5)	TWA	165.5 mg/m <sup>3</sup> 30 ppm

### 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.

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

#### Eye/face protection

Wear safety glasses with side shields (or goggles).

#### Skin protection

##### Hand protection

Rubber gloves. Confirm with a reputable supplier first.

##### Other

Wear appropriate chemical resistant clothing.

#### Respiratory protection

In case of insufficient ventilation, wear suitable respiratory equipment.

#### Thermal hazards

Not applicable.

### 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. Contaminated work clothing should not be allowed out of the workplace.

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## 9. Physical and Chemical Properties

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Appearance	Cloudy
Physical state	Liquid.
Form	Liquid.
Color	Amber
Odor	Not available.
Odor threshold	Not available.
pH	7 - 8
Melting point/freezing point	Not available
Initial boiling point and boiling range	Not available
Pour point	Not available.
Specific gravity	1 - 1.02
Partition coefficient (n-octanol/water)	Not available.
Flash point	Not available.
Evaporation rate	Not available.
Flammability (solid, gas)	Not applicable.
Upper/lower flammability or explosive limits	
Flammability limit - lower (%)	Not available
Flammability limit - upper (%)	Not available.
Explosive limit - lower (%)	Not available.
Explosive limit - upper (%)	Not available.
Vapor pressure	Not available.
Vapor density	Not available.
Relative density	8.3 - 8.5 lb/gal
Solubility(ies)	Miscible
Auto-ignition temperature	Not available
Decomposition temperature	Not available.
Viscosity	Not available.

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## 10. Stability and Reactivity

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<b>Reactivity</b>	This product may react with strong oxidizing agents.
<b>Possibility of hazardous reactions</b>	No dangerous reaction known under conditions of normal use.
<b>Chemical stability</b>	Material is stable under normal conditions.
<b>Conditions to avoid</b>	Contact with incompatible materials.
<b>Incompatible materials</b>	Acids. Oxidizers.
<b>Hazardous decomposition products</b>	May include and are not limited to: Oxides of carbon. Oxides of nitrogen.

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## 11. Toxicological Information

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<b>Routes of exposure</b>	Eye, Skin contact, Inhalation, Ingestion.
<b>Information on likely routes of exposure</b>	
<b>Ingestion</b>	Expected to be a low ingestion hazard.
<b>Inhalation</b>	No adverse effects due to inhalation are expected.
<b>Skin contact</b>	May cause an allergic skin reaction.
<b>Eye contact</b>	Causes serious eye irritation.
<b>Symptoms related to the physical, chemical and toxicological characteristics</b>	Symptoms may include stinging, tearing, redness, swelling, and blurred vision. May cause an allergic skin reaction. Dermatitis. Rash.

### Information on toxicological effects

**Acute toxicity** May cause an allergic skin reaction.

<b>Components</b>	<b>Species</b>	<b>Test Results</b>
1,3,5-Triazine-1,3,5-triethanol (CAS 4719-04-4)		
<b>Acute</b>		
<i>Dermal</i>		
LD50	Rat	> 4000 mg/kg, 24 Hours > 2000 mg/kg
<i>Inhalation</i>		
LC50	Rat	0.4 mg/L, 4 Hours, ECHA
<i>Oral</i>		
LD50	Rat	1000 mg/kg, ECHA 763 mg/kg
Alcohols, C9-11, ethoxylated (CAS 68439-46-3)		
<b>Acute</b>		
<i>Dermal</i>		
LD50	Rat	> 5000 mg/kg, HMIRA 2216 mg/kg, ECHA
<i>Inhalation</i>		
LC50	Rat	> 100 mg/m <sup>3</sup> , 6 hours, ECHA > 20 mg/L, 1 hours, Shell
<i>Oral</i>		
LD50	Rat	3488 mg/kg, ECHA 1400 mg/kg, Air products 1378 mg/kg, SAX
d-Limonene (CAS 5989-27-5)		
<b>Acute</b>		
<i>Dermal</i>		
LD50	Rabbit	> 5000 mg/kg
<i>Inhalation</i>		
LC50	Not available	
<i>Oral</i>		
LD50	Mouse	5600 mg/kg

Components	Species	Test Results
	Rat	4400 mg/kg
Ethoxylated nonyl phenol (CAS 9016-45-9)		
<b>Acute</b>		
<i>Dermal</i>		
LD50	Rabbit	2830 mg/kg, NTP
<i>Inhalation</i>		
LC50	Not available	
<i>Oral</i>		
LD50	Mouse	4290 mg/kg, ECHA
	Rat	2590 mg/kg, NTP
Polydimethyldiallylammonium chloride (CAS 26062-79-3)		
<b>Acute</b>		
<i>Dermal</i>		
LD50	Not available	
<i>Inhalation</i>		
LC50	Not available	
<i>Oral</i>		
LD50	Not available	
<b>Skin corrosion/irritation</b>	Prolonged skin contact may cause temporary irritation.	
<b>Exposure minutes</b>	Not available.	
<b>Erythema value</b>	Not available.	
<b>Oedema value</b>	Not available.	
<b>Serious eye damage/eye irritation</b>	Causes serious eye irritation.	
<b>Corneal opacity value</b>	Not available.	
<b>Iris lesion value</b>	Not available.	
<b>Conjunctival reddening value</b>	Not available.	
<b>Conjunctival oedema value</b>	Not available.	
<b>Recover days</b>	Not available.	
<b>Respiratory or skin sensitization</b>		
<b>Respiratory sensitization</b>	Not classified.	
<b>Skin sensitization</b>	May cause an allergic skin reaction.	
<b>Mutagenicity</b>	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.	
<b>Carcinogenicity</b>	This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.	
<b>IARC Monographs. Overall Evaluation of Carcinogenicity</b>		
d-Limonene (CAS 5989-27-5)	Volume 73 - 3 Not classifiable as to carcinogenicity to humans.	
<b>US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)</b>		
Not listed.		
<b>Reproductive toxicity</b>	This product is not expected to cause reproductive or developmental effects.	
<b>Teratogenicity</b>	Not classified.	
<b>Specific target organ toxicity - single exposure</b>	Not classified.	
<b>Specific target organ toxicity - repeated exposure</b>	Not classified.	
<b>Aspiration hazard</b>	Not classified.	
<b>Chronic effects</b>	Not classified.	

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## 12. Ecological Information

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**Ecotoxicity** See below

**Ecotoxicological data**

Components		Species	Test Results
Alcohols, C9-11, ethoxylated (CAS 68439-46-3)			
Fish		Rainbow Trout	70.7 mg/L, 96 Hours
<b>Aquatic</b>			
Crustacea	EC50	Water flea (Daphnia magna)	2.9 - 8.5 mg/L, 48 hours
Fish	LC50	Fathead minnow (Pimephales promelas)	6 - 12 mg/L, 96 hours
d-Limonene (CAS 5989-27-5)			
<b>Aquatic</b>			
Crustacea	EC50	Water flea (Daphnia pulex)	69.6 mg/L, 48 hours
Fish	LC50	Fathead minnow (Pimephales promelas)	0.619 - 0.796 mg/L, 96 hours
Ethoxylated nonyl phenol (CAS 9016-45-9)			
<b>Aquatic</b>			
Crustacea	EC50	Water flea (Daphnia magna)	12.2 mg/L, 48 hours
Fish	LC50	Bluegill (Lepomis macrochirus)	1 - 1.8 mg/L, 96 hours
<b>Persistence and degradability</b>	No data is available on the degradability of this product.		
<b>Bioaccumulative potential</b>	No data available.		
<b>Mobility in soil</b>	No data available.		
<b>Mobility in general</b>	Not available.		
<b>Other adverse effects</b>	No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.		

**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>	Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

**14. Transport Information**

<b>Transport of Dangerous Goods (TDG) Proof of Classification</b>	In accordance with Part 2.2.1 (SOR/2014-152) of the Transportation of Dangerous Goods Regulations, we certify that the classification of this product is correct as of the SDS date of issue.
<b>U.S. Department of Transportation (DOT)</b>	Not regulated as dangerous goods.
<b>Transportation of Dangerous Goods (TDG - Canada)</b>	Not regulated as dangerous goods.

**15. Regulatory Information**

<b>Canadian federal regulations</b>	This product has been classified in accordance with the hazard criteria of the HPR and the SDS contains all the information required by the HPR.	
<b>Canada CEPA Schedule I: Listed substance</b>	Ethoxylated nonyl phenol (CAS 9016-45-9)	Listed.
<b>Canada NPRI VOCs with Additional Reporting Requirements: Mass reporting threshold/Identification Number</b>	d-Limonene (CAS 5989-27-5)	1 TONNES
<b>Canada Priority Substances List (Second List): Listed substance</b>	Ethoxylated nonyl phenol (CAS 9016-45-9)	Listed.
<b>Export Control List (CEPA 1999, Schedule 3)</b>	Not listed.	
<b>Greenhouse Gases</b>	Not listed.	
<b>Precursor Control Regulations</b>	Not regulated.	

**WHMIS 2015 Exemptions** Not applicable  
**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)**

1,3,5-Triazine-1,3,5-triethanol (CAS 4719-04-4) 1.0 % One-Time Export Notification only.  
Ethoxylated nonyl phenol (CAS 9016-45-9) 1.0 % One-Time Export Notification only.

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

Ethoxylated nonyl phenol (CAS 9016-45-9) Nonylphenol (NP) and Nonylphenol Ethoxylates (NPEs) Action Plan

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

Diethylene glycol monoethyl ether (CAS 111-90-0) Listed.  
Ethoxylated nonyl phenol (CAS 9016-45-9) Listed.

**US. 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 - Yes  
Fire Hazard - No  
Pressure Hazard - No  
Reactivity Hazard - No

**SARA 302 Extremely hazardous substance** No

**SARA 311/312 Hazardous chemical** No

**SARA 313 (TRI reporting)**

Chemical name	CAS number	% by wt.
Ethoxylated nonyl phenol	9016-45-9	1

**Other federal regulations**

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

Diethylene glycol monoethyl ether (CAS 111-90-0)  
Ethoxylated nonyl phenol (CAS 9016-45-9)

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

Not regulated.

**US state regulations**

**US - Illinois Chemical Safety Act: Listed substance**

Diethylene glycol monoethyl ether (CAS 111-90-0)  
Ethoxylated nonyl phenol (CAS 9016-45-9)

**US - Louisiana Spill Reporting: Listed substance**

Diethylene glycol monoethyl ether (CAS 111-90-0) Listed.  
Ethoxylated nonyl phenol (CAS 9016-45-9) Listed.

**US - Minnesota Haz Subs: Listed substance**

alpha-D-Glucopyranoside, beta-D-fructofuranosyl (CAS 57-50-1) Listed.  
Diethylene glycol monoethyl ether (CAS 111-90-0) Listed.

**US - New Jersey RTK - Substances: Listed substance**

Diethylene glycol monoethyl ether (CAS 111-90-0)  
Ethoxylated nonyl phenol (CAS 9016-45-9)

**US - Texas Effects Screening Levels: Listed substance**

1,3,5-Triazine-1,3,5-triethanol (CAS 4719-04-4) Listed.  
Alcohols, C9-11, ethoxylated (CAS 68439-46-3) Listed.  
alpha-D-Glucopyranoside, beta-D-fructofuranosyl (CAS 57-50-1) Listed.  
Diethylene glycol monoethyl ether (CAS 111-90-0) Listed.  
d-Limonene (CAS 5989-27-5) Listed.  
Ethoxylated nonyl phenol (CAS 9016-45-9) Listed.  
Polydimethyldiallylammonium chloride (CAS 26062-79-3) Listed.

**US. Massachusetts RTK - Substance List**

alpha-D-Glucopyranoside, beta-D-fructofuranosyl (CAS 57-50-1)

**US. New Jersey Worker and Community Right-to-Know Act**

Diethylene glycol monoethyl ether (CAS 111-90-0)  
Ethoxylated nonyl phenol (CAS 9016-45-9)

**US. Pennsylvania Worker and Community Right-to-Know Law**

alpha-D-Glucopyranoside, beta-D-fructofuranosyl (CAS 57-50-1)  
Diethylene glycol monoethyl ether (CAS 111-90-0)

Ethoxylated nonyl phenol (CAS 9016-45-9)

**US. Rhode Island RTK**

Diethylene glycol monoethyl ether (CAS 111-90-0)

Ethoxylated nonyl phenol (CAS 9016-45-9)

**US. California Proposition 65**

Not Listed.

**Inventory status**

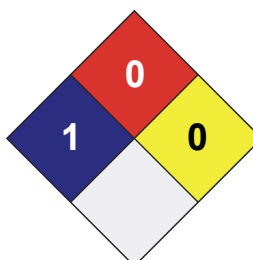
Country(s) or region	Inventory name	On inventory (yes/no)*
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

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

**16. Other Information**

LEGEND	
Severe	4
Serious	3
Moderate	2
Slight	1
Minimal	0

<b>HEALTH</b>	* 1
<b>FLAMMABILITY</b>	0
<b>PHYSICAL HAZARD</b>	0
<b>PERSONAL PROTECTION</b>	X



**Disclaimer**

The information in the sheet was written based on the best knowledge and experience currently available. Information contained herein was obtained from sources considered technically accurate and reliable. While every effort has been made to ensure full disclosure of product hazards, in some cases data is not available and is so stated. Since conditions of actual product use are beyond control of the supplier, it is assumed that users of this material have been fully trained according to the requirements of all applicable legislation and regulatory instruments. No warranty, expressed or implied, is made and supplier will not be liable for any losses, injuries or consequential damages which may result from the use of or reliance on any information contained in this document.

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02

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**Prepared by**

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**Other information**

For an updated SDS, please contact the supplier/manufacturer listed on the first page of the document.