

SAFETY DATA SHEET

1. Product and Company Identification

Product identifier Defoamer Plus
Other means of identification Not available
Recommended use Defoamer
Recommended restrictions None known.
Manufacturer information NC Brands
40 Richards Ave

40 Richards Ave. Norwalk, CT 06854 US Phone: (800) 753-1233

Emergency Phone: CHEMTREC (800) 424-9300

Supplier See above.

2. Hazards Identification

Physical hazards Not classified.

Health hazards Reproductive toxicity

Environmental hazards Not classified
WHMIS 2015 defined hazards Not classified

Label elements



Signal word Warning

Hazard statement Suspected of damaging fertility or the unborn child.

Precautionary statement

Prevention Obtain special instructions before use. Do not handle until all safety precautions have been read

and understood. Wear protective gloves/protective clothing/eye protection/face protection.

Category 2

Response IF exposed or concerned: Get medical advice/attention.

Storage Store locked up.

Disposal Dispose of contents/container in accordance with local/regional/national/international regulations.

WHMIS 2015: Health Hazard(s)

not otherwise classified

(HHNOC)

None known

WHMIS 2015: Physical Hazard(s) not otherwise classified (PHNOC)

Hazard(s) not otherwise

classified (HNOC)

None known

None known.

Supplemental information None.

3. Composition/Information on Ingredients

Mixture

 Chemical name
 Common name and synonyms
 CAS number
 %

 Acetic acid
 64-19-7
 1.58

 Cyclotetrasiloxane, octamethyl 556-67-2
 0.15

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

4. First Aid Measures

InhalationIf symptoms develop move victim to fresh air. If symptoms persist, obtain medical attention.Skin contactFlush with cool water. Wash with soap and water. Obtain medical attention if irritation persists.Eye contactFlush with cool water. Remove contact lenses, if applicable, and continue flushing. Obtain

medical attention if irritation persists.

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Ingestion Rinse mouth. Do not induce vomiting. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration. Never give anything by mouth if victim is unconscious, or is convulsing.

Obtain medical attention.

Most important symptoms/effects, acute and delayed

Direct contact with eyes may cause temporary irritation.

Indication of immediate medical attention and special treatment needed

Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed. Treat patient symptomatically.

General information

IF exposed or concerned: Get medical advice/attention. 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. Avoid contact with eyes and skin. Keep out of reach of children.

5. Fire Fighting Measures

Suitable extinguishing media Unsuitable extinguishing Water fog. Foam. Dry chemical powder. Carbon dioxide.

Unsuitable extinguishing media

Do not use water jet as an extinguisher, as this will spread the fire.

Specific hazards arising from the chemical

During fire, gases hazardous to health may be formed.

Special protective equipment and precautions for firefighters

Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

and precautions for firefighte Fire-fighting

Move containers from fire area if you can do so without risk.

equipment/instructions Specific methods

Use standard firefighting procedures and consider the hazards of other involved materials.

General fire hazards

No unusual fire or explosion hazards noted.

Hazardous combustion products

May include and are not limited to: Oxides of carbon.

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. 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

Large Spills: Stop the flow of material, if this is without risk. 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. 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.

Environmental precautions

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. Do not discharge into lakes, streams, ponds or public waters.

7. Handling and Storage

Precautions for safe handling

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Pregnant or breastfeeding women must not handle this product. Provide adequate ventilation. Avoid prolonged exposure. Wear appropriate personal protective equipment. Wash thoroughly after handling. Use good industrial hygiene practices in handling this material. When using do not eat or drink.

Conditions for safe storage, including any incompatibilities

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

8. Exposure Controls/Personal Protection

Occupational exposure limits

Canada. Alberta OELs (Occupational Health & Safety Code, Schedule 1, Table 2)

Components	Туре	Value	
Acetic acid (CAS 64-19-7)	STEL	37 mg/m3	
		15 ppm	
	TWA	25 mg/m3	
		10 ppm	

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Components	Туре	Value	
Acetic acid (CAS 64-19-7)	STEL	15 ppm	
	TWA	10 ppm	
Canada. Manitoba OELs (Ro	eg. 217/2006, The Workplace Safety And	d Health Act)	
Components	Type	Value	
Acetic acid (CAS 64-19-7)	STEL	15 ppm	
	TWA	10 ppm	
Canada. Ontario OELs. (Co	ntrol of Exposure to Biological or Chen Type	nical Agents) Value	
Acetic acid (CAS 64-19-7)	STEL	15 ppm	
, 100110 aoia (0/10 0 1 -10-1)	TWA	10 ppm	
Canada Quoboc OELs (Mir	nistry of Labor - Regulation Respecting	• •	
Components	Type	Value	
Acetic acid (CAS 64-19-7)	STEL	37 mg/m3	
,		15 ppm	
	TWA	25 mg/m3	
		10 ppm	
	for Air Contaminants (29 CFR 1910.100	,	
Components	Туре	Value	
Acetic acid (CAS 64-19-7)	PEL	25 mg/m3	
		10 ppm	
US. ACGIH Threshold Limit			
Components	Туре	Value	
Acetic acid (CAS 64-19-7)	STEL	15 ppm	
	TWA	10 ppm	
US. NIOSH: Pocket Guide to			
Components	Туре	Value	
Acetic acid (CAS 64-19-7)	STEL	37 mg/m3 15 ppm	
	TWA	25 mg/m3	
		10 ppm	
US. AIHA Workplace Enviro	onmental Exposure Level (WEEL) Guide	es	
Components	Туре	Value	
Cyclotetrasiloxane, octamethyl- (CAS 556-67-2)	TWA	10 ppm	
logical limit values	No biological exposure limits noted for the ingredient(s).		
propriate engineering trols	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.		
vidual protection measures,	, such as personal protective equipmen	nt	
Eye/face protection	Chemical splash goggles.		
Skin protection			
Hand protection	Impervious gloves. Confirm with reputable supplier first.		
Other	Use of an impervious apron is recomme	ended. As required by employer code.	
Respiratory protection	Where exposure guideline levels may be exceeded, use an approved NIOSH respirator. Respirator should be selected by and used under the direction of a trained health and safety professional following requirements found in OSHA's respirator standard (29 CFR 1910.134), CAN/CSA-Z94.4 and ANSI's standard for respiratory protection (Z88.2).		
	CAN/CSA-Z94.4 and ANSI's standard for	or respiratory protection (Z88.2).	
Thermal hazards		or respiratory protection (Z88.2).	

9. Physical and Chemical Properties

Appearance Clear Physical state Liquid. **Form** Liquid Color Golden Not available. Odor Odor threshold Not available.

pН 3 - 5

Not available. Melting point/freezing point Initial boiling point and boiling

range

Not available.

Not available. Pour point 0.99 - 1.01 Specific gravity Partition coefficient Not available.

(n-octanol/water)

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.

(%)

Not available. Explosive limit - lower (%) Explosive limit - upper (%) Not available. Not available. Vapor pressure Not available. Vapor density Relative density Not available. Miscible Solubility(ies) **Auto-ignition temperature** Not available. **Decomposition temperature** Not available. Not available. **Viscosity**

Other information

8.2 - 8.4 Density **Explosive properties** Not explosive. Oxidizing properties Not oxidizing.

10. Stability and Reactivity

Reactivity This product may react with strong oxidizing agents.

Possibility of hazardous

reactions

No dangerous reaction known under conditions of normal use.

Chemical stability Material is stable under normal conditions.

Conditions to avoid Do not mix with other chemicals.

Incompatible materials Strong oxidizing agents.

Hazardous decomposition

products

May include and are not limited to: Oxides of carbon.

11. Toxicological Information

Inhalation. Eye, Skin contact, Inhalation, Ingestion. Routes of exposure

Information on likely routes of exposure

May cause stomach distress, nausea or vomiting. Ingestion

Inhalation Prolonged inhalation may be harmful.

Skin contact No adverse effects due to skin contact are expected. Direct contact with eyes may cause temporary irritation. Eye contact

Symptoms related to the physical, chemical and toxicological characteristics

Direct contact with eyes may cause temporary irritation.

Information on toxicological effects

Acute toxicity

Acute toxicity				
Components	Species	Test Results		
Acetic acid (CAS 64-19-7)				
Acute				
Dermal	O transiti	2000 #		
LD50	Guinea pig	3300 mg/kg		
	Rabbit	1112 mg/kg		
		1060 mg/kg		
Inhalation				
LC50	Guinea pig	5000 ppm, 1 Hours		
	Mouse	2810 ppm, 4 Hours		
		6.9 mg/l/4h		
	Rat	11.4 mg/L, 4 Hours		
Oral				
LD50	Mouse	4960 mg/kg		
	Rabbit	1200 mg/kg		
	Rat	3530 mg/kg		
		3310 mg/kg		
Cyclotetrasiloxane, octamethyl- (CAS 556-67-2)	3 3		
Acute	o. 10 000 0			
Dermal				
LD50	Rabbit	1770 mg/kg		
	Rat	> 2000 mg/kg, 24 Hours		
		> 2.5 ml/kg		
Inhalation		-		
LC50	Rat	36 mg/L, 4 Hours		
		12.7 mg/l/4h		
Oral		· ·		
LD50	Mouse	1700 mg/kg		
	Rat	> 4800 mg/kg		
		1540 mg/kg		
Skin corrosion/irritation	Prolonged skin contact may cause to	• •		
	Not available.	emporary irritation.		
Exposure minutes Erythema value	Not available.			
Oedema value	Not available.			
Serious eye damage/eye	Direct contact with eyes may cause	temporary irritation		
irritation	Birot contact mar cyco may cauco	tomporary initiation.		
Corneal opacity value	Not available.			
Iris lesion value	Not available.			
Conjunctival reddening value	Not available.			
Conjunctival oedema value	Not available.			
Recover days	Not available.			
Respiratory or skin sensitization	on			
Respiratory sensitization	Not a respiratory sensitizer.	Not a respiratory sensitizer.		
Skin sensitization		This product is not expected to cause skin sensitization.		
Mutagenicity	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.			
Carcinogenicity	See below.			

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ACGIH Carcinogens

Sulphuric acid (CAS 7664-93-9) A2 Suspected human carcinogen.

Canada - Alberta OELs: Carcinogen category

Sulphuric acid (CAS 7664-93-9) Suspected human carcinogen.

Canada - Manitoba OELs: carcinogenicity

SULFURIC ACID, WHEN CONTAINED IN STRONG

INORGANIC ACID MISTS (CAS 7664-93-9)

Suspected human carcinogen.

IARC Monographs. Overall Evaluation of Carcinogenicity

Sulphuric acid (CAS 7664-93-9) Volume 54, Volume 100F 1 Carcinogenic to humans.

US NTP Report on Carcinogens: Known carcinogen

Sulphuric acid (CAS 7664-93-9) Known To Be Human Carcinogen.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

Reproductive toxicity Suspected of damaging fertility or the unborn child.

Teratogenicity Specific target organ toxicity -Not classified.

Not available.

single exposure

Specific target organ toxicity -

repeated exposure

Not classified.

Not an aspiration hazard. Aspiration hazard

Prolonged inhalation may be harmful. **Chronic effects**

12. Ecological Information

Ecotoxicity See below

Ecotoxicological data

Components **Species Test Results**

Acetic acid (CAS 64-19-7)

Crustacea EC50 Daphnia 47 mg/L, 48 Hours

Aquatic

Fish LC50 Bluegill (Lepomis macrochirus) 75 mg/L, 96 hours

Persistence and degradability

Bioaccumulative potential

No data is available on the degradability of this product.

No data available. Mobility in soil Not available. Mobility in general

No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation Other adverse effects

potential, endocrine disruption, global warming potential) are expected from this component.

13. Disposal Considerations

Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of **Disposal instructions**

contents/container in accordance with local/regional/national/international regulations.

Dispose in accordance with all applicable regulations. Local disposal regulations

Hazardous waste code The waste code should be assigned in discussion between the user, the producer and the waste

disposal company.

Waste from residues / unused

products

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).

Since emptied containers may retain product residue, follow label warnings even after container is Contaminated packaging

emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. Transport Information

Transport of Dangerous Goods (TDG) Proof of Classification

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.

U.S. Department of Transportation (DOT)

Not regulated as dangerous goods.

Transportation of Dangerous Goods (TDG - Canada)

Not regulated as dangerous goods.

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15. Regulatory Information

Canadian federal regulations

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.

Canada CEPA Schedule I: Listed substance

Cyclotetrasiloxane, octamethyl- (CAS 556-67-2) Listed.

Canada DSL Challenge Substances: Listed substance

Cyclotetrasiloxane, octamethyl- (CAS 556-67-2) Listed.

Export Control List (CEPA 1999, Schedule 3)

Not listed.

Greenhouse Gases

Not listed

Precursor Control Regulations

Sulphuric acid (CAS 7664-93-9) Class B

Not applicable WHMIS 2015 Exemptions

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication **US** federal regulations

Standard, 29 CFR 1910.1200.

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

Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4)

Acetic acid (CAS 64-19-7) Listed. Sulphuric acid (CAS 7664-93-9) Listed.

US EPCRA Section 304 Extremely Haz. Subs. & CERCLA Haz. Subs.: Section 304 EHS reportable quantity

Sulphuric acid (CAS 7664-93-9) 1000 LBS

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Immediate Hazard - No Hazard categories

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

SARA 302 Extremely

hazardous substance

SARA 311/312 Hazardous No

chemical

SARA 313 (TRI reporting)

Not regulated.

Other federal regulations

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

See below

Not regulated.

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

Sulphuric acid (CAS 7664-93-9)

US state regulations

US - California Hazardous Substances (Director's): Listed substance

Acetic acid (CAS 64-19-7) Listed. Sulphuric acid (CAS 7664-93-9) Listed.

US - Illinois Chemical Safety Act: Listed substance

Acetic acid (CAS 64-19-7) Sulphuric acid (CAS 7664-93-9)

US - Louisiana Spill Reporting: Listed substance

Acetic acid (CAS 64-19-7) Listed. Sulphuric acid (CAS 7664-93-9) Listed.

US - Minnesota Haz Subs: Listed substance

Acetic acid (CAS 64-19-7) Listed. Sulphuric acid (CAS 7664-93-9) Listed.

US - New Jersey RTK - Substances: Listed substance

Acetic acid (CAS 64-19-7) Sulphuric acid (CAS 7664-93-9)

US - North Carolina Toxic Air Pollutants: Listed substance

Acetic acid (CAS 64-19-7) Sulphuric acid (CAS 7664-93-9)

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US - Texas Effects Screening Levels: Listed substance

Acetic acid (CAS 64-19-7)

Cyclotetrasiloxane, octamethyl- (CAS 556-67-2)

Sulphuric acid (CAS 7664-93-9)

Listed.

Listed.

US - Washington Chemical of High Concern to Children: Listed substance

Cyclotetrasiloxane, octamethyl- (CAS 556-67-2)

US. Massachusetts RTK - Substance List

Acetic acid (CAS 64-19-7) Sulphuric acid (CAS 7664-93-9)

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

Sulphuric acid (CAS 7664-93-9)

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

Acetic acid (CAS 64-19-7) Sulphuric acid (CAS 7664-93-9)

US. Rhode Island RTK

Acetic acid (CAS 64-19-7) Sulphuric acid (CAS 7664-93-9)

US. California Proposition 65

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

Inventory status

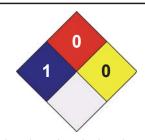
Country(s) or region	Inventory name	On inventory (yes/no)*
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

^{*}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 Serious Moderate Slight Minimal	4 3 2 1





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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Prepared by Dell Tech Laboratories Ltd. Phone: (519) 858-5021

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

document.