

Safety Data Sheet

According to Regulation (EC) No 1907/2006 (REACH)

Trade name: No-Toil Biodegradable Foam Filter Cleaner

Product. No: NT-03/NT-20

Print date: 17OCT2011

Specification No:

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Section 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product Identifier

1.1.1 Trade name/designation:

No-Toil Biodegradable Foam Filter Cleaner

1.2 Relevant identified uses of the substance or mixture and uses advised against

1.2.1 Relevant identified uses:

Foam air filter cleaner

1.2.2 Uses advised against:

All others not listed above

1.3 Details of the supplier

1.3.1 Supplier:

No Toil Industries

1.3.2 E-Mail

-

1.3.3 U.S. Address

1327 Harter Rd.
Yuba City, Ca, 95993

1.3.4 Phone Number:

(530)671-4645

1.4 Emergency Telephone Number

Chemtrec: 1-800-424-9300

Section 2: Hazards identification

2.1 Classification of the substance or mixture:

2.1.1 Classification according to Regulation (EC) No 1272/2008 [CLP/GHS]

Class 13: Non-flammable solids in non-flammable package

2.1.2 Classification according to 67/548/EEC or 1999/45/EC

EU Hazard Classification: Xi: Irritant

EU Risk Phrases: R36/37/38, S2, S22, S24/25

2.1.3 Additional information:

2.2 Label elements

2.2.1 Labeling according to Regulation (EC) No 1272/2008

Product identifier:

No-Toil Biodegradable Foam Filter Cleaner

Mixtures:

Hazard pictograms:



Signal word:

Warning!

Hazard statements:

H303, H315, H319, H335

Precautionary statements:

P264, P280, P305+P351+P338, P337+P313

Supplemental Hazard information (EU):

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2.3 Other hazards

Adverse physicochemical effects:

Adverse human health effects and symptoms:

Symptoms of overexposure

Eye contact: May cause eye irritation. No significant adverse effects expected.

Skin contact: May cause skin irritation seen as redness and swelling. In the presence of moisture or sweat, may cause more severe irritation, including burns, following prolonged contact.

Ingestion: May cause burns of the mouth, throat, Esophagus and Diarrhea if large quantities are ingested.

Inhalation: May be irritating to the nose, throat, and respiratory tract.

Adverse environmental effects:

Other adverse hazards:

Section 3: Composition/information on ingredients

3.1 Description of the mixture:

CAS No	EC No	INDEX No	REACH No	% [weight]	Name	Classification according to 67/548/EEC
497-19-8	207-838-8	011-005-00-2		97-99	Sodium Carbonate	Xi, R36, S2, S22, S26
Proprietary				1-3	Balancing Agent	

Section 4: First Aid Measures

4.1 Description of first aid measures

4.1.1 General information:

4.1.2 Eye contact:

In case of eye contact, remove contact lens and rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If eye irritation persists, consult a specialist.

4.1.3 Inhalation:

Move to fresh air. If not breathing administer CPR. If symptoms persist, call a physician.

4.1.4 Skin contact:

Wash off with soap and water. Remove and wash contaminated clothing before re-use. If symptoms persist, call a physician.

4.1.5 Ingestion:

Do not induce vomiting. If conscious, give 2 glasses of water or milk. Call a physician or Poison Control Center immediately.

4.1.6 Self-protection of the first aider:

4.1.7 Notes for the doctor:

4.2 Most important symptoms and effects, both acute and delayed

4.3 Indication of any immediate medical attention and special treatment needed

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Section 5: Firefighting measures

- 5.1 Extinguishing media:
 - 5.1.1 Suitable extinguishing media:
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
 - 5.1.2 Unsuitable extinguishing media:
None
- 5.2 Special hazards arising from the substance or mixture
 - 5.2.1 Hazardous combustion products:
Non-combustible
- 5.3 Advice for fire-fighters:
No special precautions required. Recommend SCBA and full protective clothing. Dike area to prevent runoff.
- 5.4 Additional information:

Section 6: Accidental release measures

- 6.1 Personal precautions, protective equipment and emergency procedures
 - 6.1.1 For non-emergency personnel
Protective equipment:
Chemical resistant gloves
Emergency procedures:
Avoid dust formation.
 - 6.1.2 For emergency responders
Personal protective equipment:
Chemical resistant gloves, safety goggles, and in dusting conditions, use a NIOSH/MSHA approved dust mask.
- 6.2 Environmental precautions:
Do not flush into surface water or sanitary sewer system. Prevent any mixture with an acid into the sewer/drain.
- 6.3 Methods and material for containment and cleaning up
 - 6.3.1 For containment:
Sweep up and shovel into suitable containers for disposal.
 - 6.3.2 For cleaning up:
Keep in properly labeled containers. Keep in suitable, closed containers for disposal.
- 6.4 Additional information:

Section 7: Handling and storage

- 7.1 Precautions for safe handling
 - 7.1.1 Protective measures:
Ensure adequate ventilation. Keep away from incompatible products.
 - 7.1.2 Advice on general occupational hygiene
Ensure that eyewash stations and safety showers are close to the workstation location. When using do not eat, drink or smoke. Wash hands before breaks and at the end of workday. Handle in accordance with good industrial hygiene and safety practice.

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7.2 Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions:

Store in original container. Keep in a dry place. Keep in properly labeled containers. Keep container closed.
Keep away from incompatible products.

Packaging materials:

Polyethylene

Woven plastic material + PE

Storage class:

Class 13: Non-flammable solids in non-flammable package

7.3 Specific end uses:

7.3.1 Recommendations:

Foam air filter cleaner

7.3.2 Industrial sector specific solutions:

Section 8: Exposure controls/personal protection

8.1 Control parameters

8.1.1 Occupational exposure limits:

Limit value type (country of origin)	Substance name	EC-No.	CAS-No	Limit value	Monitoring and observation processes
PEL(US OSHA) TWA (US OSHA) PEL (US MSHA)	Sodium Carbonate	207-838-8	497-19-8	15 mg/m3 5 mg/m3 10 mg/m3	Total dust Resp fraction Total dust

8.2 Exposure controls

8.2.1 Appropriate engineering controls:

Provide appropriate exhaust ventilation at places where dust is formed. Apply technical measures to comply with the occupational exposure limits.

8.2.2 Personal protective equipment:

8.2.2.1 Eye/Face protection:

Wear safety goggles.

8.2.2.2 Skin protection:

Wear a dust impervious protective suit, rubber or plastic boots, rubber or plastic apron, and suitable gloves (suitable material: Neoprene, or Natural rubber).

8.2.2.3 Respiratory protection:

Effective dust mask. Recommended Filter type: P2

8.2.2.4 Thermal hazards:

8.2.3 Environmental exposure controls:

Dispose of rinse water in accordance with local and national regulations.

8.2.4 Consumer exposure control

8.2.4.1 Measures related to consumer uses of the substance (as such or in mixtures):

8.2.4.2 Measures related to the service life of the substance in articles:

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Section 9: Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

9.1.1 Appearance

Physical state: Solid Color: White, Granular Odor: Odorless Odor threshold:

9.1.2 Safety relevant basic data

pH (20 °C): 11.3 (1% Aqueous Solution); 11.6 (10% Aqueous Solution)

Melting point/range(°C): 851

Initial boiling point/range (°C): No Data

Decomposition temperature (°C): 400

Flash point (°C): No Data

Ignition temperature (°C): No Data

Vapor pressure (hPa) at °C: No Data

Vapor density (air = 1): No Data

Density (g/cm³) at 20 °C: >=2.52, <= 2.53

Bulk density (kg/m³): 768.06-1040.08

Water solubility (20°C in g/l): 7G/100G water

Solubility(ies): No Data

Partition coefficient: No Data

N-Octanol/Water (log Po/w): No Data

Viscosity, dynamic (mPa s): No Data

9.1.3 Physical hazards:

Eye, skin, and respiratory irritant

9.2 Other safety information:

Properties of explosive atmospheres (mixtures):

Gases and vapors: No Data

Dusts: No Data

Physical chemical properties of nanoparticles: No Data

Limiting oxygen concentration: No Data

Bulk density: 48-65 LBS/ft³

Solubility in different media: No Data

Stability in organic solvents and identity of relevant degradation products: No Data

Evaporation rate: No Data

Conductivity: No Data

Surface tension: No Data

Dissociation constant in water (pKa): No Data

Oxidation-reduction Potential: No Data

Fat solubility (solvent – oil to be specified): No Data

Critical temperature: No Data

Section 10: Stability and reactivity

10.1 Reactivity:

Decomposes by reaction with strong acids.

10.2 Chemical stability:

Stable under recommended storage conditions.

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10.3 Possibility of hazardous reactions

None

10.4 Conditions to avoid:

Exposure to moisture.

10.5 Incompatible materials:

Finely divided aluminum, reacts with strong acids. Can react violently with Al, P₂O₅, H₂SO₄, F₂, Li and 2,4,6-Trinitrotoluene. Upon contact with reducing sugars, may react to form carbon monoxide gas.

10.6 Hazardous decomposition products:

None

Section 11: Toxicological Information

11.1 Information on toxicological effects:

	Effect dose / Concentration	Species	Method	Time
Acute oral toxicity	4090 mg/kg	Rat	LD50	
Acute dermal toxicity	>2000 mg/kg	Rabbit	LD50	
Acute inhalative toxicity (mist)	2300 mg/m ³ air	Rat	LC50	2 hours

11.2 Other information:

11.2.1 Assessment/classification

11.2.2 Routes of exposure:

11.2.3 In case of ingestion:

May cause burns of the mouth, throat, esophagus and diarrhea if large quantities are ingested.

11.2.3 In case of skin contact:

May cause skin irritation seen as redness and swelling. In the presence of moisture or sweat, may cause more severe irritation, including burns, following prolonged contact.

11.2.4 In case of inhalation:

May be irritating to the nose, throat, and respiratory tract.

11.2.5 In case of eye contact:

May cause eye irritation. No significant adverse effects expected.

Section 12: Ecological information

12.1 Toxicity:

Aquatic toxicity

12.1.1 Substances

Acute (short-term) toxicity

Effect dose	Exposure time	Species	Method	Evaluation	Remark
300 mg/L	96 Hours	Lepomis macrochirus	LC50	Mortality	
200 227 mg/L	48 Hours	Ceriodaphnia sp.	EC50	Mobility	

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Section 13: Disposal considerations

13.1 Waste treatment methods

13.1.1 Product/package disposal:

Contact waste disposal services. If recycling is not practicable, dispose of in compliance with local regulations. Dilute with plenty of water. Neutralize with acid.

Where possible recycling is preferred to disposal or incineration. Clean container with water. Dispose of rinse water in accordance with local and national regulations. Must be incinerated in a suitable incineration plant holding a permit delivered by the competent authorities.

13.1.2 Waste codes/waste designations according to EWC/AVV:

20 01 30

13.1.3 Waste treatment options:

13.1.4 Other disposal recommendations:

Dispose of in accordance with local, State, and National regulations.

13.2 Additional information:

Section 14: Transport Information

14.1 Land transport (CFR 49: DOT)

This product is not regulated as a hazardous material by DOT standards.

UN-No:

Proper shipping name:

Class(es):

Packing group:

Hazard label(s)

Special provision(s):

14.2 Land Transport (Canada TDG)

This product is not regulated as a hazardous material by TDG standards.

UN-No:

Proper shipping name:

Class(es)

Packing group:

Hazard label(s)

Special provision(s)

14.3 Land transport (ADR/RID/GGVSEB):

This product is not regulated as a hazardous material by ADR standards.

UN-No:

Proper shipping name:

Class(es):

Classification Code:

Packing group:

Hazard label(s):

Special provision(s):

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14.4 Sea transport (IMDG-Code/GGVSee):

This product is not regulated as a hazardous material by IMO standards.

UN No:

Proper shipping name:

Class(es):

Packing group:

Marine Pollutant:

Special provision(s):

14.5 Air transport (ICAO-IATA/DGR):

This product is not regulated as a hazardous material by IATA standards.

UN No:

Proper shipping name:

Class(es):

Packing group:

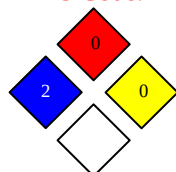
Special provision(s):

Section 15: Regulatory Information

15.1 Safety, health and environmental regulations/legislation specific for the mixture

15.1.1 National regulations(United States):

HMIS Code:



NEPA Code

Health	2
Flammability	0
Physical Hazard	0
	X

TSCA: All components are on the SU TSCA Inventory.

15.1.2 National regulations(EU):

EU Hazard Classification: Xi: Irritant

EU R-Statements: R36/37/38

EU S-Statements: S2, S22, S24/25

WGK (Water Danger/Protection)

Water Hazard Class: 1

15.1.3 National regulations(Canada):

This product has a WHMIS classification of D2B.

This product has been classified in accordance with the hazard criteria of the Controlled Products

Regulations and the MSDS contains all of the information required by those regulations.

Canadian Ingredient Disclosure List: All components are listed on the Canadian Ingredient Disclosure list.

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Section 16: Other Information

16.1 Relevant R-, H- and EUH-phrases (number and full text):

R36: Irritating to eyes

R36/37/38: Irritating to eyes, respiratory system and skin

S2: Keep out of the reach of children

S22: Do not breathe dust

S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S24/25: Avoid any inhalation, contact with skin and eyes. Wear suitable protective clothing and gloves.

H303: May be harmful if swallowed

H315: Causes skin irritation

H319: Causes serious eye irritation

H335: May cause respiratory irritation

P264: Wash hands thoroughly after handling.

P280: Wear protective gloves/protective clothing/eye protection/face protection

P305+P351+P338: If in eyes: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing.

P337+P313: Get medical advice/attention

16.2 Further information:

The information contained herein is believed to be accurate. It is provided independently of any sale of the product for the purpose of hazard communication. It is not intended to constitute performance information concerning the product. No Express warranty, or implied warranty of merchantability or fitness for a particular purpose is made to the product or the information contained herein.

NO TOIL