



### Citrus Bilge Cleaner Concentrate

More product information can be found on our website at:

[www.northamericanbio.com](http://www.northamericanbio.com)

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MSDS#: PFC289  
Revision: 5  
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#### Section I: Product Information

Trade Name: CITRUS BILGE CLEANER CONCENTRATE  
Chemical Name and Synonyms: Surfactant Solution  
C.A.S. Registry Number: N/A – Mixture  
D.O.T. Proper Shipping Name: Not Regulated  
D.O.T. Hazard Class: N/A

Chemical Family: Water Based Cleaner  
Formula: Proprietary Blend  
D.O.T. Label: N/A  
D.O.T. Identification NO.: N/A

#### Section II: Physical Data

Specific Gravity: 1.008  
Freezing Point: 32°F (water)  
Boiling Point: 212°F (water)  
Vapor Pressure: N.D.  
Appearance & Odor: Orange Liquid with Citrus Odor

Finished Product Weight: 8.4 lbs/gal  
pH: 7 (nominal)  
Solubility in Water: Miscible  
Evaporation Rate: N.D.  
Percent Volatile (wt.%): N.D.

#### Section III: Ingredients

Chemical Name	CAS#	Wt%	PEL Level	TLV Level
Surfactant Mixture	(mixture)	4-10	Not Established	Not Established
d-limonene(food grade)	8028-46-6	0.5-2.5	Not Established	Not Established
Water	7732-18-5	70-95	Not Established	Not Established

#### Section IV: Fire and Explosion Data

Flashpoint: N.D.  
Extinguishing Media: For fires use dry chemical, foam, or carbon dioxide.  
Special Fire Fighting Procedures: Smother to exclude air. Some ingredients may float on water. Wear full protective clothing and positive pressure, self-contained breathing apparatus.  
Unusual Explosion Hazards: Burning can produce oxides of carbon. Any proposed use of this product at extreme temperatures is not recommended.

#### Section V: Reactivity Data:

Stability: Stable  
Incompatibility: Oxidizers, strong acids, strong bases.  
Hazardous Decomposition Products: Burning can produce oxides of carbon.  
Hazardous Polymerization: Will not occur.  
Conditions to Avoid: Excessive heat, sparks, open flames, and strong oxidizing conditions.

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### Section VI: Spill/Leak and Disposal Procedures

Contain spill, ventilate area, wear personal protective equipment, wipe up or absorb on inert absorbent.  
Dispose in accordance with local, state, and federal regulations.

### Section VII: Health Data

#### Effects of Overexposure

Eye Contact: Irritant, possibly corrosive to eye tissues.  
Tearing, redness, pain, impaired vision are symptoms.

Skin Contact: Prolonged or repeated contact may cause irritation, soreness, redness, or absorption of potentially harmful amounts.

Inhalation: Vapor mist may cause irritation. Overexposure may be harmful.

Ingestion:

Product may be harmful if swallowed.

#### Emergency First Aid Procedures

Eye Contact: Flush eyes thoroughly with plenty of water. Hold lids open while flushing.  
Contact a physician.

Skin Protection: Flush area thoroughly with fresh water, use soap if available. If irritation persists, contact a physician.

Inhalation: Remove affected person to fresh air. If breathing is difficult, call a physician.

Ingestion: DO NOT INDUCE VOMITING. Give 3-4 glasses of water. Call a physician.

### Section VIII: Special Protection Information

Eye Protection: Safety glasses/goggles or glasses with a face shield.

Skin Protection: Rubber or plastic gloves.

Respiratory Protection: Use only in well-ventilated areas.

Other Protective Equipment: N/A

### Section IX: Special Precautions

Storage Handling Precautions: Store in cool, dry area. Keep out of direct sunlight. Do not store near flames or other heat sources. Keep containers tightly closed. Make sure all containers are labeled properly. For industrial and commercial use only.

Other Precautions: Avoid eye and skin contact. Avoid breathing vapors. Do not swallow.  
Wash hands thoroughly after handling.

### Section X: Supplemental Health Information

Carcinogen Content: This product does not contain greater than 0.1% of the known or potential carcinogens in NTP, IARC, or OSHA.