



200 Yellow Place • Rockledge, FL 32955  
PH: (321) 631-3550 • FAX: (321) 631-3552  
E-mail: info@mainstream-engr.com

Product: Puraclean

Print Date: 04/29/14

## SAFETY DATA SHEET

### Section 1: Identification

**Product Name:**

Puraclean

**Product Number:**

QT2700

**Description:**

HVAC air filter spray

**Use:**

Enhance air filter performance

**Appearance:**

Colorless liquid

**Company:**

Mainstream Engineering Corporation  
200 Yellow Place  
Rockledge, Florida 32955

**Information Telephone:**

(321) 631-3550

**Emergency Telephone (Chemtrec):**

(800) 424-9300

### Section 2: Hazard(s) Identification

**Classifications:**

Eye Irritant–Category 2B  
Skin Irritant–Category 3

**Signal Word:**

WARNING

**Hazard Statements:**

May cause eye irritation. May cause moderate corneal injury.  
May cause drying, flaking, or redness of skin. No evidence of harmful effects of skin absorption from available information.  
Small amounts swallowed incidentally are not likely to cause injury; however, swallowing larger amounts may cause injury.

**Pictograms:**





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**Precautionary Statements:**

**Prevention**

Wash hands after handling.  
Avoid getting spray in eyes.  
Do not eat or drink when using this product.

**Response**

If in eye: Rinse cautiously with water for several minutes. Remove contact lenses, if present.  
If on skin: Rinse skin with water.  
If skin or eye irritation persists, get medical attention.

**Section 3: Composition/Information on Ingredients**

Component	CAS #	Amount
Water	7732-18-5	85%
Natural Seed Oil	*	15%

\* TRADE SECRET - PROPRIETARY FORMULA. Specific chemical identities are withheld as a trade secret under the provisions of OSHA hazard communication standard 29 CFR 1910.1200.

**Section 4: First-Aid Measures**

**Eyes:**

Immediately flush eyes with water; remove contact lenses, if present, after the first 5 minutes, then continue flushing eyes for at least 15 minutes, occasionally lifting the upper and lower lids. Get medical aid immediately, preferably from an ophthalmologist.

**Skin:**

Remove contaminated clothing. Wash exposed area with soap and water. Obtain medical attention if irritation persists. Launder clothing before reuse.

**Ingestion:**

If patient is fully conscious, give two glasses of fresh water. Do not induce vomiting. Obtain medical attention.

**Inhalation:**

If symptoms develop, remove to fresh air.

**Notes to Physician:**

There is no specific antidote. Treatment of overexposure should be directed at the control of symptoms and the clinical condition of the patient.

**Section 5: Fire-Fighting Measures**

**Extinguishing Media:**

Non-flammable (aqueous solution). After water evaporates, remaining material will burn. Use water fog or fine spray, carbon dioxide or dry chemical media for small fires. Do not use direct water stream. Alcohol resistant foams (ATC type) are preferred. General purpose synthetic foams (including AFFF) or protein foams may function but will be less effective.



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**Hazardous Decomposition Products:**

Burning can produce the following products: carbon monoxide and/or carbon dioxide. Carbon monoxide is highly toxic if inhaled. Carbon dioxide in sufficient concentrations can act as an asphyxiant. During a fire, smoke may contain the original material in addition to combustion products of varying composition which may be toxic and/or irritating.

**Speical Fire Fighting Procedures:**

Wear self-contained breathing apparatus and protective clothing.

**Unusual Fire and Explosion Hazards:**

Violent steam generation or eruption may occur upon application of direct water stream to hot liquids.

**Section 6: Accidental Release Measures**

**Spills/Leaks:**

Contain spills immediately with inert materials (e.g. sand, earth). Transfer liquids and solid diking material to suitable containers for recovery or disposal. Floor may be slippery. Avoid discharge to natural waters.

**Section 7: Handling and Storage**

**Handling:**

Keep container closed. Avoid contact with eyes, skin, and clothing. Avoid ingestion and inhalation.

**Storage:**

Store in accordance with good industrial practices

**Shelf Life:**

24 months

**Section 8: Exposure Controls/Personal Protection**

**Exposure Limits:**

None established by OSHA, ACGIH, or UCC

**Personal Protective Equipment (PPE):**

None required

**Section 9: Physical and Chemical Properties**

<b>Physical State:</b>	Liquid
<b>Appearance:</b>	Colorless to light yellow
<b>Odor:</b>	Slight odor
<b>Odor Threshold:</b>	No data available
<b>pH:</b>	Neutral
<b>Freezing Point:</b>	Approx. 0 °C
<b>Boiling Point:</b>	Approx. 100 °C
<b>Flash Point:</b>	None
<b>Evaporation Rate:</b>	No data available
<b>Flammability:</b>	Non-flammable
<b>Upper/lower Flammability Limits:</b>	No data available
<b>Vapor Pressure:</b>	760 mm Hg at 25 °C



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Vapor Density:	No data available
Specific Gravity (Water = 1):	1
Solubility in Water:	Completely soluble
Partition Coefficient:	No data available
Auto-ignition Temperature:	No data available
Decomposition Temperature:	No data available
Viscosity:	No data available

**Section 10: Stability and Reactivity**

**Chemical Stability:**  
Stable at typical use temperatures

**Conditions to Avoid:**  
Prolonged excessive heat may cause product decomposition

**Incompatibilities with Other Materials:**  
Normally unreactive, however, avoid strong bases at high temperatures, strong acids, and strong oxidizing agents

**Hazardous Polymerization:**  
Will not occur

**Section 11: Toxicological Information**

**Acute Toxicity:**  
*Ingestion*  
LD50, Rat; >3,000 mg/kg (estimated)  
*Skin Absorption*  
Rabbit; >2,000 mg/kg

**Carcinogenicity:**  
No relevant information found

**Developmental/Reproductive/Genetic Effects:**  
No relevant information found

**Section 12: Ecological Information**

**Environmental Fate:**  
Material is readily biodegradable—material passes OECD test(s) for ready biodegradability

**Ecotoxicity:**  
Material is moderately toxic to aquatic organisms on an acute basis (LC50/EC50 between 1 and 10 mg/L in the most sensitive species tested)

**Section 13: Disposal Considerations**

Do not dump into any sewers, on the ground, or into any body of water. Dispose of in a manner consistent with federal, state, and local regulations. Empty containers should be recycled or disposed of through an approved waste management facility.



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**Section 14: Transportation Information**

**DOT:**

The chemicals in this product are not regulated by DOT

**Section 15: Regulatory Information**

**U.S. Toxic Substances Control Act:**

All components of this product are on the TSCA Inventory or are exempt from TSCA Inventory requirements under 40 CFR 720.30

**Federal/State/Local Regulations:**

To the best of our knowledge, this product does not contain chemicals at levels which require reporting

**California Proposition 65 (Safe Drinking Water and Toxic Enforcement Act of 1986):**

This product contains no listed substances known to the State of California to cause cancer, birth defects or other reproductive harm, at levels which would require a warning under the statute

**Section 16: Other Information**

**Issue Date:**

03/20/2002

**Revision Date:**

04/29/2014 (REV. 4)

**NFPA Ratings:**

<b>Health</b>	1
<b>Fire</b>	0
<b>Reactivity</b>	0

The information contained herein is believed to be accurate and is offered in good faith. The above information is, in part, based on material safety data sheets supplied by the vendors of the raw materials used in this product. Because product use is beyond our control, no warranty is given, expressed, or implied. Mainstream Engineering Corporation cannot assume any liability for the use of information contained herein or from damage resulting from handling or contact with the above product. To determine applicability or effect of any law or regulation with respect to the product, users should consult a legal advisor or appropriate governmental agency.