

**SECTION 1: Product And Company Identification**

<b>Product Name:</b>	Frac Water Treatment Viscosity Reducer	<b>Emergency Contact:</b>	(856) 206-0058
<b>Product ID#</b>	FTVR-012	<b>www.inventekcleaners.com</b>	
<b>Manufactured by:</b>	Inventek Colloidal Cleaners, LLC.	106 Gaither Drive	Mount Laurel, NJ 08054
<b>General Information:</b>	(856) 206-0058	<b>Technical Assistance:</b>	(856) 206-0058 <b>Fax Number:</b> (856) 206-0094

**Section 2: Composition / Information on Ingredients**

Component	CAS #	LD50# (oral rat)	LD60#	% Wt.
Filtered Water	7732-18-5	>99,999ml/kg	NE	35%
Isopropyl Alcohol	67-63-0	12,800 mg/kg	NE	23%
Alcohol Blend	Compound	NE	NE	15%
Eco-Friendly Surfactant	Proprietary	NE	NE	4%
Silicone Emulsion	Compound	NE	NE	4%
550-HF	68410-69-5	NE	NE	4%
APG 325n	132778-08-6	>5.0 g/mg	NE	3%
EH-3 Ecosurf™ Surfactant	64366-70-7	>3000 mg/kg	NE	5%
Copper Sulfate	7758-98-7	300mg/kg	NE	<1%
EH-6 Ecosurf™ Surfactant	64366-70-7	>3000 mg/kg	NE	2%
Sorbitol	50-70-4	15900 mg/kg	NE	1%
Glucopon 600	110615-47-9	2000mg/kg	NE	1%
Coco Betaine	68424-94-2	4900 mg/kg	NE	2%
Elemental Magnesium	NE	NE	NE	<1%

**Section 3: Hazards Identification**

**Emergency Overview**

**Appearance and Odor:** Slightly Viscous Liquid, Light Amber, Faint Odor

No Known Hazards. As defined by OSHA's Hazard Communication Standard, this product is non-hazardous.

Eyes: No evidence of Adverse effect	Skin and Skin Absorption: No evidence of Adverse effect	Inhalation: No evidence of Adverse effect	Potential Health Effects: No evidence of Adverse effect
Ingestion: No evidence of Adverse effect	Chronic Effects: None Known	Medical Conditions Aggravated by Exposure:	No evidence of Adverse effect

**Section 4: First Aid Measures**

EYES: No Evidence of Adverse Effects	SKIN & SKIN ABSORPTION: No Evidence of Adverse Effects	INHALATION: No Evidence of Adverse Effects	POTENTIAL HEALTH EFFECTS: No Evidence of Adverse Effects
INGESTION: No Evidence of Adverse Effects	CHRONIC EFFECTS: None Known	MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:	NOTE TO PHYSICIANS: No Specific Instructions

See Section 11 for Toxicology and Carcinogenicity information on product ingredients

**Section 5: Fire Fighting Measures**

**Flammable Properties:** As defined by OSHA, this product is non-flammable

Flash Point: >150 F	Autoignition Temperature: NE	Explosion Sensitivity to Static Discharge.: None
UEL: NA	Explosion Sensitivity to Impact: None	Products of Combustion: None
LEL: NA	Protection to Firefighters:	No special Precautions needed.

Suitable Extinguishing Media: This Material will not burn. Use extinguishing media appropriate for surrounding fire.

**Section 6: Accidental Release Measures**

Personal Precautions: Evacuate the Area as the floor may be slippery. Use care to prevent Slips and Falls.

Methods for Containment and Cleanup: Rinse area thoroughly with water. This product is safe to wash into waste systems.

**Section 7: Handling and Storage**

Handling procedures: No Special procedures needed.

Storage Procedures: Store in a cool, well ventilated area. Avoid low temperatures.

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

		Exposure Guidelines:						
		OSHA		ACGIH		OTHER		
Component		TWA	STEL	TWA	STEL	TWA	Source	Unit
Engineering Controls:	None Required							
Respiratory Protection:	None Required							
Eye / Face Protection:	None Required							
Skin Protection:	None Required							
Gloves:	None Required							
Other Safety Equipment:	None Required							
All other components have vacated values for exposure or hazard due to denaturing when added to the proprietary base compound.								
		NE=Not Established		C= Ceiling		S=Skin		V= Vacated

**Section 9: Physical and Chemical Properties**

Specific gravity: 0.911	Physical State: Liquid	Pour Point: -(28°) F
Initial Boiling Point: 214° F	Color: Light Amber	Viscosity Index: >300
Solubility in Water: Complete	Odor: Faint Odor	Bio-Degradability %: >90
Volatiles Organic Compounds:	pH: 8-Jun	Suggested Operating Range: Zero to 150 F

VOC levels of DDC by weight of the cleaner do not exceed 10% in accordance with 40 CFR parts 9 and 59  
Estimated tested amount per product = <1mm/Hg

**Section 10: Stability and Reactivity**

Stability: Stable

Compatibility: Incompatible Materials: None Known

Conditions to avoid: None

Possibility of Hazardous Reaction: None Known

Hazardous decomposition Products: None

**Section 11: Toxicological Information**

Irritancy of Product: None

ACGIH (A1, A2 or A3): None

Acute Exposure Effects: None

IARC Monographs: None

OSHA Regulated: No

Embroyotoxicity: None

Mutagenicity: None

Chronic Effects: None

Teratogenicity: None

Skin Sensitization: None

Respiratory Sensitization: None

Reproductive Toxicity: None

Name of Synergistic Product or Effect: None

Carcinogenicity: This Product does not contain any known or suspected human carcinogens

**Section 12: Ecological Information**

Ecotoxicity / Aquatic Toxicity: None

Persistence / Degradability: Readily Biodegradable

**Section 13: Disposal Considerations**

Chemicals contained are not listed as hazardous waste. Safe to wash into waste systems.

Always dispose as per Federal, State or local regulations.

**Section 14: Transport Information**

Proper Shipping Description: US DOT: None

PIN: None

TDG: None

Special Provisions: None

**Section 15: Regulatory Information-U.S. Federal**

Comprehensive Environmental Response, Compensation and Liability Act (CIRCLA) Reportable Quantities (RQ's) for the following Ingredients: None

Spills of any ingredient at or above the RQ level require an immediate notification of the National Response Center (800)424-8802 and LocaAgencies

Superfund Amendments Reauthorization ACT (SARA) Title III Section 302 Extremely Hazardous Substances (EHS): None

Other Regulatory Info.: None

This product contains the following substances subject to SARA reporting (sections 311, 312 and 313) and 40 CFR part 372: None

State regulations: This product contains NO harmful ingredients under California Prop 65 Safe drinking water and Toxic Enforcement Act: None

**State Right To Know**

Massachusetts: None

New Jersey: None

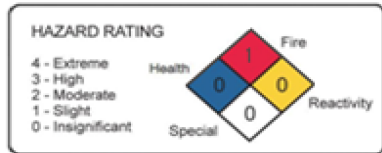
Pennsylvania: None

Rhode Island: None

Clean Air Act: None

**Section 16: Other Information**

(HMIS) Health: 0	Flammability: 1	Reactivity: None
Prop.: Proprietary	<b>Keys to abbreviations:</b>	
CAS: Chemical Abstract Service	NA: Not Applicable	TCC: Tags Closed Cup
OSHA: Occupational Safety & Health Administration		NE: Not Established
PPE: Personal protective Equipment	ND: Not Determined	ppm: Parts per Million
PMCC: Pinsky-Martins Closed Cup	g/L: Grams per liter	TLV: Threshold limit Value
NIOSH: National Institute of Occupational Safety & Health		TWA: Time Weighted Average
ACGIH: American Conference of Government Industrial Hygienists		lbs. / gal: Pounds per Gallon
		gr: Gram
		STEL: Short Term Exposure Limit
		kg: Kilogram
		k: 1000
		PEL: Permissible Exposure Limit



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