



# MATERIAL SAFETY DATA SHEET



## SECTION 1: Product And Company Identification

**Product Name:** Refinery Grade Surfactant  
**Product ID#** RG-400 Bio-based Surfactant  
**Manufactured by:** Inventek Colloidal Cleaners, LLC. 106 Gaither Drive  
**General Information:** (856) 206-0058 **Technical Assistance:** (856) 206-0058 **Emergency Contact:** (856) 206-0058  
**Fax Number:** (856) 206-0094 **www.inventekcleaners.com**

## Section 2: Composition / Information on Ingredients

Component	CAS #	LD50# (oral rat)	LD60#	% Wt.
Filtered Water	773-18-5	>99,999mg/kg	NE	Prop.
Plant Extracts	Proprietary	NE	NE	Prop.

## Section 3: Hazards Identification

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

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

\* All natural plant ingredients which may include cactus, dandelion and sunflower extracts.

## Potential Health Effects:

See section 11 for toxicology and carcinogenicity on Product Ingredients.

Eyes: No evidence of Adverse effect  
 Inhalation: No evidence of Adverse effect  
 Ingestion: No evidence of Adverse effect  
 Medical Conditions Aggravated by Exposure: None Known

Skin and Skin Absorption: No evidence of Adverse effect  
 Potential Health Effects: No evidence of Adverse effect  
 Chronic Effects: No evidence of Adverse effect  
 None Known

## Section 4: First Aid Measures

EYES: No Evidence of Adverse Effects  
 INHALATION: No Evidence of Adverse Effects  
 INGESTION: No Evidence of Adverse Effects  
 MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: None Known

SKIN & SKIN ABSORPTION: No Evidence of Adverse Effects  
 POTENTIAL HEALTH EFFECTS: No Evidence of Adverse Effects  
 CHRONIC EFFECTS: No Evidence of Adverse Effects  
 NOTE TO PHYSICIANS: No Specific Instructions

See Section 11 for Toxicology and Carcinogenicity information on product ingredients

## Section 5: Fire Fighting Measures

**Flash Point:** None (TCC)  
**UEL:** NA  
**LEL:** NA

**Autoignition Temperature:** NE  
**Explosion Sensitivity to Impact:** None  
**Protection to Firefighters:**

**Flammable Properties:** As defined by OSHA, this product is non-flammable  
**Explosion Sensitivity to Static Discharge.:** None  
**Products of Combustion:** None  
**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.

**Environmental Precautions:** None required

## 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

Component	OSHA		ACGIH		OTHER	
	TWA	STEL	TWA	STEL	TWA	Source Unit
Engineering Controls:	None Required					
Respiratory Protection:	None Required	OSHA PEL: NE				
Eye / Face Protection:	None Required	ACGIH TLV: NE				
Skin Protection:	None Required					
Gloves:	None Required					
Other Safety Equipment:	None Required					
		NE=Not Established	C= Ceiling	S=Skin	V= Vacated	

## Section 9: Physical and Chemical Properties

**Physical State:** Liquid  
**Color:** Dark Amber  
**Odor:** Faint Odor  
**pH:** 9.7

**Specific gravity:** 1.001  
**Initial Boiling Point:** 214° F  
**Solubility in Water:** Complete

**Pour Point:** -(28°) F  
**Viscosity Index:** >300  
**Bio-Degradability %:** >90  
**Suggested Operating Range:** Zero to 150 F

**Volatile Organic Compounds:** VOC levels of DDC by weight of the compound do not exceed 5% in accordance with 40 CFR parts 9 and 59  
 Estimated tested amount per product = <1mm/Hg

## Section 10: Stability and Reactivity

**Stability:** Stable  
**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

**Toxic Substance Control Act:** All ingredients are exempt.

**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 Local Agencies  
**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  
**Clean Air Act:** None

## Section 16: Other Information

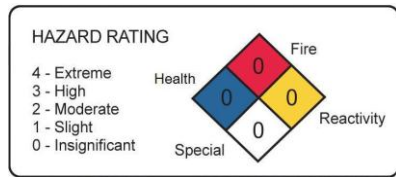
**(HMIS) Health: 0** **Flammability: 1** **Reactivity: None** **PPE: None**

**Prop.:** Proprietary  
**CAS:** Chemical Abstract Service  
**OSHA:** Occupational Safety & Health Administration  
**PPE:** Personal protective Equipment  
**PMCC:** Pensky-Martins Closed Cup  
**NIOSH:** National Institute of Occupational Safety & Health  
**ACGIH:** American Conference of Government Industrial Hygienists

**Keys to abbreviations:**  
 NA: Not Applicable  
 ND: Not Determined  
 g/L: Grams per liter

**TCC:** Tags Closed Cup  
**ppm:** Parts per Million  
**TLV:** Threshold limit Value  
**TWA:** Time Weighted Average  
**lbs. / gal:** Pounds per Gallon  
**STEL:** Short Term Exposure Limit  
**PEL:** Permissible Exposure Limit

**NE:** Not Established  
**mg:** Milligram  
**ml:** Milliliter  
**kg:** Kilogram  
**gr:** Gram  
**k:** 1000



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