

**TERAWET® AgraGel® (T-400)**  
Material Safety Data Sheet  
May be used to comply with OSHA's Hazard  
Communication Standard, 29 CFR 1910, 1200  
Standards must be consulted for specific requirements  
Identity (As used on label and list)

Department of Labor  
Occupational Safety and Health Administration  
(Non-Mandatory Form)  
Form -Approved  
OMB 1218-0072

## AgraGel® (T-400)

Note: Blank spaces are not permitted. If any  
Item is not applicable or no information is  
Available, the space must be marked to indicate it.

### SECTION I

Manufacturer's Name and Address

TERAWET Ventures, Inc.  
2920 Clairemont Drive, Suite #16  
San Diego, California 92117

Emergency Telephone Number

(888) 383-7293

Information Telephone Number

(619) 516-0130 NH = Non Hazardous

Date Prepared NA= Not Applicable

01/09/2009

NE= Not Established

### SECTION II – HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

Serial Number 0314-3

Hazardous components (Specific )

Chemical Identity: (Common Name) AgraGel®

OSHA PEL ACGIH TLV Other limits  
Recommended % optional

Cross linked partially neutralized potassium salts of polyacrylic acid polymers with water binding groups.

NE NE 0.05 mg/m<sup>3</sup>

CAS No. 31212-13-2

**AgraGel® (T-400)** recommended inhalation exposure limit guideline  
Small less than 10 microns respirable polyacrylate. See also Section VI of MSDS  
SARA Section 313 Reportable Toxic Chemicals – NONE

### SECTION III – Physical/Chemical Characteristics

Boiling Point	Solid	NE	Specific Gravity (H <sub>2</sub> O +1)	Bulk Density	0/4 – 0.7
Vapor Pressure (mm Hg)	Less than	10	Melting Point	Greater than	390 <sup>0</sup> F
Vapor Density (AIR =1)	NA	NE	Evaporation Rate (Butyl Acetate +1)	Less than	1
Solubility in Water	Insoluble				
Appearance and Odor	White granular crystals with 5% dots; no odor				

### SECTION IV – Fire and Explosion Hazard Data

Flash Point (Method Used)	None	Flammable limits	LEL	NE	UEL	NE
Extinguished Media	Water, CO <sub>2</sub> and dry chemicals					
Special Fire Fighting Procedures	None					
Unusual Fire and Explosive Hazards	Extremely slippery conditions are created if spilled product comes in contact with water					

### SECTION V – Reactivity Data

Stability	<input type="radio"/> Unstable <input checked="" type="radio"/> Stable	Conditions to Avoid	None Known
Incompatibility (Materials to avoid)	None Known		
Hazardous Decomposition or Byproducts	None Known		
Conditions to Avoid	None Known		
Hazardous	<input type="radio"/> May Occur <input checked="" type="radio"/> Will Not Occur		

**SECTION VI – Health Hazard Data**

Routes of Entry:	Inhalation	Yes	Skin	No	Ingestion	No
Health Hazards (Acute and Chronic)	<p>Acute (short term) inhalation of dust may cause mild irritation of upper respiratory tract (nose and throat) and lungs.</p> <p>Chronic (long term) inhalation exposure to rats for a lifetime (two years) using a sodium polyacrylate that had been micronized to a respiratable particle size (less than 10 microns) produced non-specific inflammation and chronic lung injury at 0.2 mg/m<sup>3</sup> and 0.8 mg/m<sup>3</sup>.</p> <p>At 0.8 mg/m<sup>3</sup>, tumors were seen in some animals. In the absence of chronic Inflammation, tumors are not expected. There were no adverse effects of any kind At 0.05 mg/m<sup>3</sup>.</p> <p>Potassium polyacrylate had no effect on mutagenicity</p>					
Carcinogenicity	NTP	No	IARC	No	OSHA	No
Signs and Symptoms of Exposure	Possible reddening, drying of skin or eyes with itching, burning or other Discomfort; irritation of nose and throat					
Medical Conditions Generally Aggravated by Exposure	May aggravate existing respiratory conditions; skin conditions (due to drying effect)					
Emergency and First Aid procedures	Flush eyes thoroughly with water. If inhaled, move to source of fresh air Call a physician regarding any discomfort.					

**SECTION VII - Precautions for Safe Handling and Use**

Steps in case of released or spilled	Collect material. Avoid contact with water as extremely slippery conditions will result. Residuals are to be flushed thoroughly with water to the drain for normal wastewater treatment.					
Waste Disposal Method	Dispose of in accordance with local, State, or Federal regulations . Non Hazardous waste material for approved solid waste landfills.					
Precautions to be taken	Handle as eye irritant. Do not get into eyes Avoid prolonged or repeated skin contact					
in Handling/ storage Other Precautions	Do not ingest/ Dusty containers may irritate the eyes and respiratory system Wear goggles and Mask with high efficiency filter where dust is created.					

**SECTION VIII – Control Measures**

Respiratory Protection	Wear respirator or mask with high efficiency filter for particulate levels above 0.05mg/m <sup>3</sup>					
Ventilation Local Exhaust	Endure that airborne particles are removed	Special	Not required			
Mechanical	Recommended	Other ventilation	Not required			
Protective Gloves	Recommended	Eye Protection	Safety glasses or goggles			
Other Protective Clothing	None recommended	Work/Hygienic practice	Wash thoroughly after handling			