

# MATERIAL SAFETY DATA SHEET

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HMIS HAZARD RATING	
HEALTH	1
FIRE	0
REACTIVITY	0
PERSONAL PROTECTION	X

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By: R. Lauterbach

## SECTION I: PRODUCT IDENTIFICATION

**Product Name:** TECTYL® 6430  
**Synonyms:** None  
**Chemical Name:** Asphalt Emulsion  
**Chemical Family:** Petroleum Hydrocarbon  
**Chemical Formula:** Mixture  
**CAS No.:** None

## SECTION II: COMPOSITION AND INFORMATION ON INGREDIENTS

*The criteria for listings components in the composition section are as follows: Carcinogens are listed when present at 0.1% or greater; components which are otherwise hazardous according to OSHA are listed when present at 1% or greater; Non-hazardous components are listed at 3% or greater. This is not intended to be a complete compositional disclosure.*

<u>Ingredients</u>	<u>CAS Number</u>	<u>PEL (OSHA)</u>	<u>AGGIH TL</u>	<u>% Volume</u>
Petroleum Asphalt	8052-42-4	5 mg/m <sup>3</sup>	5 mg/m <sup>3</sup>	48-52
Proprietary Non-Hazardous Surfactant		None Established	None Established	<4
Clay, Bentonite*	1302-78-9	None respirable	None respirable	<8
Heavy Hydro treated Mineral Oil	64741-44-2	5 mg/m <sup>3</sup>	5 mg/m <sup>3</sup>	< 3
Water	7732-18-5	None Listed	None Listed	40-50
Ethylene Glycol Monohexyl Ether	112-25-4	None Established 20 ppm TWA (supplier recommended-skin)	None Established 20 ppm TWA (supplier recommended-skin)	< .5

*NOTE:* There are no S.A.R.A. 313 ingredients in this material in excess of de minimus amounts. "Asphalt may contain detectable amounts of chemicals known to the State of California to cause cancer or reproductive harm."

\*Fillers are encapsulated and can not generate air borne dust during application.

### SECTION III: HAZARD IDENTIFICATION

**Acute Effects of Overexposure:**

**Eye:** Conjunctivitis, irritation, and tearing.

**Skin:** Prolonged contact may result in irritation or inflammation. Allergic skin reactions may occur on occasion and the skin may become sensitized.

**Ingestion:** May cause nausea, vomiting.

**Chronic Effects of Overexposure:** None known.

**Other Health Effects:** Avoid prolonged and repeated contact with skin.

### SECTION IV: FIRST AID AND EMERGENCY PROCEDURES

**EYE:** Flush with large amounts of water immediately. Eye lids should be held away from the eyeball to ensure thorough rinsing. Get medical attention if irritation persists.

**SKIN:** Prolonged contact may cause slight irritation. Wash with soap and water. Get medical attention if irritation persists.

**INGESTION:** May cause nausea, vomiting, contact a physician immediately.

### SECTION V: FIRE AND EXPLOSION DATA

Flash Point (Method Used)	NA (Water based)
Flammable Explosion Limits	NA
Fire extinguishing media:	NA
Special Fire Hazards and Fire Fighting Procedures:	NA

### SECTION VI: SPILL, LEAK, AND DISPOSAL PROCEDURES

Dike spill area, recover free liquid, and return to container. Add absorbent to spill area.

### SECTION VII: PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE

Avoid extremes of temperature in storage. Store in tightly closed containers in cool, dry, isolated, well-ventilated area. **Protect from freezing!**

### SECTION VIII: PROTECTIVE EQUIPMENT

**SKIN:** Wear chemical resistant gloves to prevent irritations and exposure.

**EYES:** Wear goggles to prevent irritations.

**OTHER:** Long sleeved shirt and pants preferred.

*NOTE: Personal protective information shown in section 14 is based upon general information as to normal uses and conditions. Where special or unusual uses or conditions exist, it is suggested that the expert assistance of an industrial hygienist or other qualified professional be sought.*

## SECTION IX: PHYSICAL DATA

Appearance	Brown thixotropic gel
Odor	Mild or Faint Petroleum
Initial Boiling Point (° F)	200-220° F
Vapor Pressure (mm Hg)	760@ 212 °F
Vapor Density (Air = 1)	> 1
Solubility in Water	Dispersible
Specific Gravity (H <sub>2</sub> O = 1)	.95-1.05
Volatiles (wt %)	48-53
Evaporation (Ether = 1)	
Viscosity (Brookfield RVF)	50,000 – 85,000 cps. (TD @ 5 RPM) (Typical)
Auto Ignition Temperature	NA
pH	Not Applicable

## SECTION X: REACTIVITY

Stable: Yes	Unstable: N/A
Conditions to Avoid	Open flame and fume inhalation
Incompatibility	Avoid strong oxidizers.
Hazardous Polymerization	Will not occur
Hazardous Decomposition Products	Carbon Monoxide, Carbon Dioxide

## SECTION XI: TOXICOLOGY

Acute Oral LD50	No Data Available
Acute Dermal LD50	No Data Available
Acute Inhalation LC 50	No Data Available
Carcinogenicity	No Data Available
Mutagenicity	No Data Available

## SECTION XII: ECOLOGICAL INFORMATION

None Available.

## SECTION XIII: WASTE DISPOSAL METHOD

This substance, when discarded or disposed of, is not specifically listed as a hazardous waste in federal regulations; however it could be hazardous if it is considered toxic, corrosive, ignitable, or reactive according to federal definitions (40 CFR 261). Additionally, it could be designated as hazardous according to state regulations. This substance could also become a hazardous waste if it is mixed or comes in contact with a hazardous waste. If such contact or mixing may have occurred, check 40 CFR 261 to determine whether it is a hazardous waste. If it is considered hazardous, regulations 40 CFR 262, 263 and 264 apply. The transportation, storage, treatment, and disposal of this waste material must be conducted in compliance with all applicable federal, state, and local regulations.

**SECTION XIV: DOT TRANSPORTATION**

According to DOT regulations, this product is not considered hazardous. Care should be taken to protect from freezing.

**SECTION XV: NOTICE**

We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind, express or implied, and we assume no responsibility for any loss, damage, or expense, direct or consequential, arising out of their use. The information shall not be regarded as legally binding assurance of certain properties or suitability for a particular application.

**SECTION XVI: REGULATORY**

**VOC:**

<5 g/l

INGREDIENT	CAS NUMBER	NOTES
Asphalt	8052-42-3	A Pennsylvania Hazardous Substance List Material
Asphalt	8052-42-3	A Washington State Permissible Exposure for Air Contaminants material
Asphalt	8052-42-3	Asphalt may contain detectable amounts of chemicals known by the state of California to cause cancer or reproductive harm.