

# MATERIAL SAFETY DATA SHEET

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## HMIS HAZARD RATING

HEALTH	2
FIRE	2
REACTIVITY	0
PERSONAL PROTECTION	D

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## SECTION I: PRODUCT IDENTIFICATION

Product Name: **TECTYL® 891D, Class II**  
Chemical Family: Petroleum Solvent/Asphalt Blend  
Material Usage: Corrosion Preventive Compound


**EMERGENCY OVERVIEW:** Petroleum solvent-based product with solvent odor. Combustible liquid; when product burns it releases typical hydrocarbon products of combustion. Refer to Section 3 for health effects and to Section 5 for fire hazard data.

## SECTION II: HAZARDS INFORMATION

### GHS Classification

Health	Environmental	Physical
Acute toxicity – Category 4 Skin irritation – Category 2 Eye irritation – Category 2B Carcinogenicity – Category 2		Flammable liquid – Category 3

### GHS Label

	
<b>WARNING</b> Flammable liquid and vapor Harmful if inhaled Causes skin irritation Causes eye irritation Suspected of causing cancer via prolonged skin contact or ingestion	Keep away from sparks, open flames, and hot surfaces. Keep container tightly closed. No smoking. In case of fire use carbon dioxide or dry powder extinguishers.  Avoid breathing fumes. Wear protective gloves and eye protection. Store and use in adequately ventilated areas.  IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a doctor if you feel unwell. IF ON SKIN OR HAIR: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.  Dispose of contents in accordance with local regulations.

### SECTION III: COMPOSITION

Component	Wt%	Recommended Exposure Limits (TWA)
<sup>[1]</sup> Petroleum Asphalt CAS #8052-42-4	37-42	ACGIH TLV: 5 mg/m <sup>3</sup> (for fumes) NIOSH: 5 mg/m <sup>3</sup> (ceiling limit)
Aliphatic Petroleum Solvent CAS #64742-88-7 and/or #64742-47-8 and/or #8052-41-3	32-37	OSHA PEL: 100 ppm ACGIH TLV: 100 ppm ACGIH STEL: 200 ppm
Hydrogen Sulfide 7783-06-4	<0.08	OSHA PEL: 20 ppm ACGIH TLV: 10 ppm ACGIH STEL: 15 ppm

<sup>[1]</sup>See Section 3.

### SECTION IV: FIRST AID PROCEDURES

**Inhalation:** Move victim to fresh air and call emergency medical care. If not breathing, give artificial respiration; if breathing is difficult, give oxygen.

**Eyes:** In case of contact with material, immediately flush eyes with running water for at least 15 minutes. Seek immediate medical attention.

**Skin:** Wash skin with soap and water. Remove and isolate contaminated clothing and shoes at the site.

**Ingestion:** DO NOT INDUCE VOMITING. Consult a physician. If vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquid into the lungs.

### SECTION V: FIRE AND EXPLOSION HAZARD DATA

**Flash Point:** 105°F min.

**Explosive Limits:** LEL = 0.6 UEL = 7.0

**Extinguishing Media:** Small Fires: Dry chemical, CO<sub>2</sub>, water spray, or regular foam. Large Fires: Water spray, fog, or regular foam. Move container from fire area if you can do it without risk. Apply cooling water to sides of containers that are exposed to flames until well after fire is out. Stay away from ends of tanks. For massive fire in cargo area, use unmanned hose holder or monitor nozzles. If this is impossible, withdraw from area and let fire burn. Withdraw immediately in case of rising sound from venting safety device or any discoloration of tank due to fire.

**Special Firefighting Protection/Emergency Action:** Fire may produce irritating or poisonous gases. Positive pressure self-contained breathing apparatus (SCBA) and structural firefighters' protective clothing will provide limited protection. Keep unnecessary people away; isolate hazard area and deny entry. Stay upwind; keep out of low areas. Isolate for 1/2 mile in all directions if tank, rail car or tank truck is involved in fire. If runoff from fire control occurs, notify the appropriate authorities.

**Unusual Fire/Explosion Hazards:** Flammable/combustible material; may be ignited by heat, sparks or flames. Vapors may travel to a source of ignition and flash back. Container may explode in heat of fire. Vapor explosion hazard indoors, outdoors or in sewers. Runoff to sewer may create fire or explosion hazard.

**Products of Combustion:** Carbon monoxide, carbon dioxide, miscellaneous hydrocarbons.

### SECTION VI: SPECIAL PRECAUTIONS AND SPILL/LEAK PROCEDURES

**Steps to be taken in case Material is Released or Spilled:** Shut off ignition sources; no flares, smoking or flames in hazard area. Stop leak if you can do it without risk.

**Small Spills:** Take up with sand or other noncombustible absorbent material and place into containers for later disposal.

**Large Spills:** Dike far ahead of liquid spill for later disposal.

### SECTION VII: SAFE HANDLING INFORMATION

**Precautions To Be Taken In Handling/Storage:** Store in cool, well-ventilated area. Keep away from flames, sparks or hot surfaces. Never use a torch to cut or weld on or near container. Empty containers can contain explosive vapors.

Heated asphalt may emit hydrogen sulfide, an extremely flammable, colorless, highly toxic gas, which may accumulate in storage tanks and bulk transport compartments. Prolonged breathing (greater than 1 hour) of concentrations of hydrogen sulfide around 50 ppm can produce eye and respiratory tract (mouth, nose and throat) irritation, and at high concentrations (around 300 ppm) is considered immediately dangerous to life and health.

**Other Precautions:** Never wear contaminated clothing. Launder or dry clean before wearing. Discard oil-soaked shoes. Wash thoroughly with soap and water (waterless hand cleaner may be helpful in removing residues) after use and before smoking or eating. Avoid excessive skin contact.

## SECTION VIII: EXPOSURE CONTROLS

**Respiratory Protection:** NIOSH-approved respirator for organic vapor and mist to control exposure where ventilation is inadequate. In situations where Hydrogen Sulphide may exceed; the PEL or TLV, supplied air respirators or self-contained breathing apparatus' are required.

**Ventilation:** General and local exhaust.

**Personal Protective Equipment:** Protective Gloves: Impervious gloves (Viton, PVOH, etc.) Eye Protection: Safety glasses with sideshields or chemical goggles. Other Protective Clothing or Equipment: If splashing is anticipated, wear rubber apron and boots or other protective equipment to minimize contact.

**Work/Hygienic Practices:** Handle in accordance with good industrial hygiene and safety practices. These include avoiding any unnecessary exposure and removal of the material from the skin, eyes and clothing. Wash hands and arms frequently. Shower after exposure. Wash work clothes when soiled. Safety showers and eye wash stations should be available. Product is combustible. Avoid smoking, keep away from open flames and sources of static or electrical sparking. Use explosion proof motors and equipment. Tank trucks and other containers should be grounded and/or bonded when material is transferred.

## SECTION IX: PHYSICAL AND CHEMICAL PROPERTIES

Color: Black

Appearance: Viscous Liquid

Odor: Petroleum Solvent

Boiling Point (initial): Not Determined

Evaporation Rate (n-Butyl Acetate=1): <1

Vapor Pressure (mmHg @ 20°C): Not Determined

Vapor Density (air=1): >1

Solubility in Water: Negligible

Specific Gravity: 0.91

pH: Not Applicable

Percent Volatile by Volume: 41

## SECTION X: REACTIVITY HAZARD DATA

**Stability:** Stable

**Incompatibility:** Strong acids, oxidizing agents.

**Hazardous Decomposition Products:** Carbon monoxide, carbon dioxide, miscellaneous hydrocarbons.

**Hazardous Polymerization:** Will not occur.

## SECTION XI: TOXICOLOGICAL INFORMATION

None known.

## SECTION XII: ECOLOGICAL INFORMATION

None known.

## SECTION XIII: DISPOSAL CONSIDERATIONS

**Waste Disposal Methods:** Dispose of in accordance with state, local and federal regulations. Materials may become a hazardous waste through use. If permitted, incineration may be practiced. Consider recycling solvent.

**SECTION XIV: TRANSPORTATION INFORMATION**

**FOR SHIPMENTS GOING AIR OR OVER SEAS:**

**UN 1268, Petroleum Distillates N.O.S. (Naphtha Solvent), 3, PG III**

**SECTION XV: REGULATORY INFORMATION**

**Volatile Organic Content: (Calculated Values)**

VOC per gallon: 2.5 lbs/gal

**EPA Hazardous Waste Number(s) (40CFR Part 261):** D001

**EPA Hazard Category (40CFR Part 370):** IMMEDIATE (ACUTE)  
DELAYED (CHRONIC)  
FIRE HAZARD (COMBUSTIBLE)

**SARA TITLE III**

This product contains the following TOXIC CHEMICALS subject to the *Reporting Requirements of Sec. 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986, and of 40CFR Part 372:*

CHEMICAL	CAS NO.	WT %
NONE		

This product contains the following EXTREMELY HAZARDOUS SUBSTANCE(S) subject to the *Emergency Planning Requirements under Sec. 301-303 (40CFR Parts 300 and 355) and Emergency Release Notification Requirements under Sec. 304:*

CHEMICAL	CAS NO.	WT %	RQ/TPQ Lbs
Hydrogen Sulfide	7783-06-4	<0.08	100

(CERCLA LIST) This product contains the following HAZARDOUS SUBSTANCE(S) subject to *Emergency Release Notification Requirements under Sec. 304 (40 CFR Part 302):*

CHEMICAL	CAS NO.	WT %	Final RQ Lbs
Aliphatic Petroleum Solvent	64742-88-7 and/or 8052-41-3 and/or 64742-47-8	32-37	100

**CALIFORNIA PROPOSITION 65**

This product may contain trace quantities of the following chemicals that are identified by the State of California under the *Safe Drinking Water and Toxic Reinforcement Act of 1986 ("Proposition 65")* as either a carcinogenic or reproductive hazard:

CHEMICAL	CAS NO.	Estimated Concentration %
Petroleum Asphalt	8052-42-4	37-42

**SECTION XI: OTHER INFORMATION**

Although the information contained herein is believed to be reliable, it is furnished without warranty of any kind. This information is not intended to be all-inclusive as to the manner and conditions of use, handling, and storage.