

# MATERIAL SAFETY DATA SHEET

## 1. Product and Company Identification

**Material name** 910 Semi Permanent Liquid Sealer  
**Version #** 01  
**Revision date** 03-04-2010  
**Product use** Sealer.  
**Manufacturer/Supplier** TR Industries  
11022 Vulcan Street  
South Gate, CA 90280-0893  
Telephone: (562) 923-5438  
**Emergency** CHEMTREC: (800) 424-9300  
CHEMTREC International: 703-527-3887

## 2. Hazards Identification

**Physical state** Liquid.  
**Appearance** Liquid.  
**Emergency overview** WARNING!  
Combustible liquid and vapor. May be ignited by heat, sparks or flames.  
  
May cause eye irritation. Harmful: may cause lung damage if swallowed. Vapors may cause drowsiness and dizziness. Prolonged or repeated skin contact may cause drying, cracking, or irritation.  
**OSHA regulatory status** This product is considered hazardous under 29 CFR 1910.1200 (Hazard Communication).  
**Potential health effects**  
**Routes of exposure** Inhalation. Ingestion. Skin contact. Eye contact.  
**Eyes** May cause eye irritation.  
**Skin** Prolonged or repeated contact can result in defatting and drying of the skin which may result in skin irritation and dermatitis (rash).  
**Inhalation** In high concentrations, vapors and spray mists are narcotic and may cause headache, fatigue, dizziness and nausea.  
**Ingestion** Harmful: may cause lung damage if swallowed. Irritating to mouth, throat, and stomach. Aspiration of this product may cause a pneumonia-like reaction of lung tissue.  
**Chronic effects** Small amounts of benzene may be present. Benzene is listed as a human carcinogen by IARC.  
**Potential environmental effects** The product components are not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

## 3. Composition / Information on Ingredients

Components	CAS #	Percent
Naphtha (petroleum), hydrotreated heavy	64742-48-9	> 90
Proprietary Resin	Proprietary	< 10

**Composition comments** All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

## 4. First Aid Measures

**First aid procedures**  
**Eye contact** Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.  
**Skin contact** Wash skin thoroughly with soap and water. Get medical attention if irritation develops and persists.  
**Inhalation** Move to fresh air. If breathing is difficult, give oxygen. Get medical attention, if needed.

<b>Ingestion</b>	Rinse mouth thoroughly. Do not induce vomiting. If vomiting occurs, keep head low so that stomach content does not get into the lungs. Never give anything by mouth to a victim who is unconscious or is having convulsions. Get medical attention immediately.
<b>Notes to physician</b>	In case of shortness of breath, give oxygen. Keep victim warm. Keep victim under observation. Symptoms may be delayed.
<b>General advice</b>	Take off contaminated clothing and shoes immediately. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance. Wash contaminated clothing before re-use.

## 5. Fire Fighting Measures

<b>Flammable properties</b>	Combustible by OSHA criteria. Heat may cause the containers to explode.
<b>Extinguishing media</b>	
<b>Suitable extinguishing media</b>	Water. Water fog. Foam. Dry chemical powder. Carbon dioxide (CO <sub>2</sub> ).
<b>Unsuitable extinguishing media</b>	Do not use a solid water stream as it may scatter and spread fire.
<b>Protection of firefighters</b>	
<b>Protective equipment and precautions for firefighters</b>	Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA. Fight fire from maximum distance or use unmanned hose holders or monitor nozzles. Move containers from fire area if you can do so without risk. Withdraw immediately in case of rising sound from venting safety device or any discoloration of tanks due to fire. In the event of fire, cool tanks with water spray. Cool containers exposed to flames with water until well after the fire is out. For massive fire in cargo area, use unmanned hose holder or monitor nozzles, if possible. If not, withdraw and let fire burn out.
<b>Special protective equipment for fire-fighters</b>	Wear full protective clothing, including helmet, self-contained positive pressure or pressure demand breathing apparatus, protective clothing and face mask.
<b>Specific methods</b>	In the event of fire and/or explosion do not breathe fumes.
<b>Hazardous combustion products</b>	Carbon monoxide. Carbon Dioxide.

## 6. Accidental Release Measures

<b>Personal precautions</b>	Keep unnecessary personnel away. Local authorities should be advised if significant spillages cannot be contained. Keep upwind. Keep out of low areas. Ventilate closed spaces before entering them. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. See Section 8 of the MSDS for Personal Protective Equipment.
<b>Environmental precautions</b>	Prevent further leakage or spillage if safe to do so. Do not contaminate water.
<b>Methods for containment</b>	ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Stop leak if you can do so without risk. Dike the spilled material, where this is possible. Prevent entry into waterways, sewers, basements or confined areas.
<b>Methods for cleaning up</b>	Small Spills: Absorb spill with vermiculite or other inert material, then place in a container for chemical waste. Clean surface thoroughly to remove residual contamination. This material and its container must be disposed of as hazardous waste. Should not be released into the environment.  Large Spills: Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Prevent product from entering drains. Do not allow material to contaminate ground water system.
<b>Other information</b>	Clean up in accordance with all applicable regulations.

## 7. Handling and Storage

<b>Handling</b>	Wear personal protective equipment. Avoid breathing high vapor concentrations. Avoid contact with eyes and prolonged or repeated contact with skin. Do not taste or swallow. Use only with adequate ventilation. Wash thoroughly after handling. Keep away from sources of ignition - No smoking. DO NOT handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. All equipment used when handling the product must be grounded. Use non-sparking tools and explosion-proof equipment. Take precautionary measures against static discharges. When using, do not eat, drink or smoke.
<b>Storage</b>	Keep away from heat, sparks and open flame. Store in cool place. Keep in a well-ventilated place. Keep container tightly closed. Keep away from food, drink and animal feeding stuffs. Keep out of the reach of children.

## 8. Exposure Controls / Personal Protection

<b>Occupational exposure limits</b>	No exposure limits noted for ingredient(s).
<b>Engineering controls</b>	Use explosion-proof ventilation equipment. Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits.
<b>Personal protective equipment</b>	
<b>Eye / face protection</b>	Wear approved safety goggles.
<b>Skin protection</b>	Wear chemical-resistant gloves, footwear and protective clothing appropriate for risk of exposure. Contact glove manufacturer for specific information.
<b>Respiratory protection</b>	In case of insufficient ventilation, wear suitable respiratory equipment. If permissible levels are exceeded use NIOSH mechanical filter / organic vapor cartridge or an air-supplied respirator.
<b>General hygiene considerations</b>	Avoid contact with eyes. Avoid contact with skin. When using, do not eat, drink or smoke. Provide eyewash station and safety shower. Handle in accordance with good industrial hygiene and safety practice.

## 9. Physical & Chemical Properties

<b>Appearance</b>	Liquid.
<b>Color</b>	Colorless.
<b>Odor</b>	Aromatic.
<b>Odor threshold</b>	Not available.
<b>Physical state</b>	Liquid.
<b>Form</b>	Liquid.
<b>pH</b>	Not available.
<b>Melting point</b>	< 32 °F (< 0 °C)
<b>Freezing point</b>	Not available.
<b>Boiling point</b>	311 - 422.6 °F (155 - 217 °C)
<b>Flash point</b>	104 - 143.6 °F (40 - 62 °C) Closed Cup
<b>Evaporation rate</b>	Not available.
<b>Flammability</b>	Not available.
<b>Flammability limits in air, upper, % by volume</b>	Not available.
<b>Flammability limits in air, lower, % by volume</b>	Not available.
<b>Vapor pressure</b>	0.1 - 0.3 kPa
<b>Vapor density</b>	Not available.
<b>Specific gravity</b>	Not available.
<b>Solubility (water)</b>	None.
<b>Partition coefficient (n-octanol/water)</b>	Not available
<b>Auto-ignition temperature</b>	491 - 518 °F (255 - 270 °C)
<b>Decomposition temperature</b>	Not available.
<b>Density</b>	0.76 - 0.79 g/cm <sup>3</sup>

## 10. Chemical Stability & Reactivity Information

<b>Chemical stability</b>	Material is stable under normal conditions.
<b>Conditions to avoid</b>	Heat, flames and sparks.
<b>Incompatible materials</b>	Strong oxidizers, strong acids, and strong bases.
<b>Hazardous decomposition products</b>	No hazardous decomposition products are known.
<b>Possibility of hazardous reactions</b>	Hazardous polymerization does not occur.

## 11. Toxicological Information

<b>Acute effects</b>	May be fatal if swallowed and enters airways.
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<b>Local effects</b>	May cause eye irritation. Prolonged skin contact may cause dermatitis. High concentration of vapor or mist may cause nausea, vomiting, headaches, dizziness, loss of coordination, numbness, and other central nervous system effects.
<b>Sensitization</b>	May cause allergic skin disorders in sensitive individuals.
<b>Chronic effects</b>	Prolonged or repeated exposure may cause lung injury.
<b>Carcinogenicity</b>	The product may contain benzene which may cause cancer and cause blood disorders
<b>Epidemiology</b>	Not available.
<b>Mutagenicity</b>	Not available.
<b>Neurological effects</b>	High vapor/aerosol concentrations (attainable only at elevated temperatures) may cause central nervous system effects such as dizziness, drowsiness or headaches.
<b>Reproductive effects</b>	Not available.
<b>Teratogenicity</b>	Not available.
<b>Further information</b>	This product has no known adverse effect on human health.

## 12. Ecological Information

<b>Ecotoxicity</b>	The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.
<b>Environmental effects</b>	An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.
<b>Aquatic toxicity</b>	This material is not expected to be harmful to aquatic life.
<b>Persistence and degradability</b>	Not available.
<b>Bioaccumulation / Accumulation</b>	No data available.
<b>Partition coefficient (n-octanol/water)</b>	Not available
<b>Mobility in environmental media</b>	No data available.

## 13. Disposal Considerations

<b>Waste codes</b>	D001: Waste Flammable material with a flash point <140 °F
<b>Disposal instructions</b>	Dispose of contents/container in accordance with local/regional/national/international regulations. This material and its container must be disposed of as hazardous waste. Incinerate the material under controlled conditions in an approved incinerator. Do not incinerate sealed containers. If discarded, this product is considered a RCRA ignitable waste, D001. Do not contaminate ponds, waterways or ditches with chemical or used container.

## 14. Transport Information

### DOT

#### Basic shipping requirements:

<b>UN number</b>	UN1268
<b>Proper shipping name</b>	Petroleum distillates, n.o.s. (Naphtha (petroleum), hydrotreated heavy)
<b>Hazard class</b>	Combustible Liquid
<b>Packing group</b>	III
<b>Environmental hazards</b>	
<b>Marine pollutant</b>	No
<b>Additional information:</b>	
<b>Special provisions</b>	144, B1, IB3, T4, TP1, TP29
<b>Packaging exceptions</b>	150
<b>Packaging non bulk</b>	203
<b>Packaging bulk</b>	242
<b>ERG number</b>	128

### IATA

#### Basic shipping requirements:

<b>UN number</b>	1268
<b>Proper shipping name</b>	Petroleum Distillates, n.o.s. (Naphtha (petroleum), hydrotreated heavy)
<b>Hazard class</b>	3
<b>Packing group</b>	III

## IMDG

### Basic shipping requirements:

UN number	1268
Proper shipping name	Petroleum Distillates, n.o.s. (Naphtha (petroleum), hydrotreated heavy)
Hazard class	3
Packing group	III
Environmental hazards	
Marine pollutant	No

## TDG

### Basic shipping requirements:

Proper shipping name	Petroleum Distillates, n.o.s. (Naphtha (petroleum), hydrotreated heavy)
Hazard class	3
UN number	UN1268
Packing group	III
Marine pollutant	No



DOT



IATA



IMDG



TDG

## 15. Regulatory Information

**US federal regulations** This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.  
All components are on the U.S. EPA TSCA Inventory List.

### CERCLA (Superfund) reportable quantity (lbs)

None

### Superfund Amendments and Reauthorization Act of 1986 (SARA)

**Hazard categories** Immediate Hazard - No  
Delayed Hazard - No  
Fire Hazard - Yes  
Pressure Hazard - No  
Reactivity Hazard - No

**Section 302 extremely hazardous substance** No

**Section 311 hazardous chemical** Yes

**Drug Enforcement Agency (DEA)** Not controlled

**Canadian regulations** This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all the information required by the CPR.

**WHMIS status** Controlled

**WHMIS classification** B3 - Flammable/Combustible

## WHMIS labeling



### Inventory status

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	No
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	No
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	No
New Zealand	New Zealand Inventory	No
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	No
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

\*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

### State regulations

This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

## 16. Other Information

### Further information

HMIS® is a registered trade and service mark of the NPCA.

### HMIS® ratings

Health: 1  
Flammability: 2  
Physical hazard: 0

### NFPA ratings

Health: 1  
Flammability: 2  
Instability: 0

### Disclaimer

The information in the sheet was written based on the best knowledge and experience currently available.

### Issue date

03-04-2010