

## MATERIAL SAFETY DATA SHEET

### SECTION 1 - Chemical Product and Company Identification

Product Identifier: Dyna-Seal

Manufacturer: Dynamic Fastener Svc. Inc.  
9911 E. 53<sup>rd</sup> St.  
Raytown, Mo. 64133  
(816)-358-9898

Date: 3/30/01

Emergency Telephone Number:

CHEMTREC: 1-800-424-9300 - only in the event of chemical emergencies involving a spill, leak, fire, exposure, or accident involving chemicals

Hazard Class: ANSI HEALTH: 2 FIRE: 2 REACTIVITY: 0 4TH DIAMOND - ANSI  
Hazard Class: HMIS HEALTH: 2 FIRE: 2 REACTIVITY: 0 P.P.E - B

### SECTION 2 - Composition/Information On Ingredients

	%age	C.A.S. #
Elastomeric Resin	15.0	Mixture
Hydrocarbon Resin	17.5	Mixture
Hydrocarbon Solvent	31.5	8052-41-3
Inorganic Pigments	11.6	Mixture
Hydrocarbon Solvent	21.9	64742-95-6

This product contains one or more materials which may be subject to the reporting requirements of SARA Title III and of 40 CFR 372. Further details on contents is confidential. Any hazards are included in this MSDS.

IARC has listed some asphalts and solvent extracts of asphalt as capable of causing skin cancer in experimental animals. Whether or not petroleum asphalt can cause cancer in humans is not known.

### SECTION 3 - Hazards Identification

#### **EMERGENCY OVERVIEW**

Colored, viscous liquid with a faint oily odor.  
Irritating to eyes.  
Slippery, can cause falls if walked on.

#### **POTENTIAL HEALTH EFFECTS**

**INHALATION:** Excessive inhalation of the concentrated vapors from this product may cause headache, coughing, breathing difficulty, convulsions, shock, severe irritation of the mucous membranes and severe lung congestion.

**EYE CONTACT:** May cause severe irritation of the eye, leading to burns if not immediately treated.

SKIN CONTACT: Frequent or prolonged contact with the skin may cause temporary irritation or dermatitis.  
INGESTION: Ingestion may cause local irritation of the mucous membranes of the mouth, esophagus and stomach. May act as a laxative.

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#### **SECTION 4 - First Aid Measures**

INHALATION: This material has a low vapor pressure and is not expected to present an ~ inhalation exposure problem under ambient conditions. If vapor or mist is generated when the material is heated or handled, remove the victim from the exposure. If breathing has stopped or is irregular, administer artificial respiration and supply oxygen if it is available. If victim is unconscious, remove to fresh air and seek immediate medical attention.

EYE CONTACT: Flush eyes with copius quantities of water for at least 15 minutes, making sure that the eyelids are held open to allow complete flushing. If irritation persists seek medical attention.

SKIN CONTACT: Remove contaminated clothing including shoes and wash before reuse. Wash contaminated area thoroughly with soap and water. If redness or irritation occurs seek medical attention.

INGESTION: DO NOT INDUCE VOMITING. Product contains hydrocarbon solvents which may cause serious damage if aspirated into the lungs. Summon immediate medical help.

#### **SECTION 5 - Fire Fighting Measures**

Flashpoint and Method:	100-120 F ASTM D-93
Flammable Limits:	Lower 0.8% - Upper 5.0% (solvent)
Autoignition Temperature:	Not Determined

GENERAL HAZARD:  
This product, while it will support combustion, does not ignite easily. When burning under conditions of restricted air there is a possibility of the generation of toxic gases (carbon monoxide, carbon dioxide and oxides of nitrogen).

FIRE FIGHTING INSTRUCTIONS:  
The use of water as the extinguishing medium may only lead to spreading the fire. Try to cover liquid spill with foam. Chemical extinguishers may also be used as well as

carbon dioxide. Water spray may be used to cool fire exposed containers and surfaces.

#### FIRE FIGHTING EQUIPMENT:

Respiratory and eye protection required for fire fighting personal. Full protective equipment (Bunker Gear) and a self contained breathing apparatus (SCBA) should be used for all indoor fires and any significant outdoor fires. For small outdoor fires, which may be easily extinguished with a portable fire extinguisher, use of an SCBA may not be required.

#### HAZARDOUS COMBUSTION PRODUCTS:

As with any burning organic material smoke, fumes and oxides of carbon, may be produced.

### **SECTION 6 - Accidental Release Measures**

#### PROCEDURE WHEN MATERIAL IS SPILLED OR RELEASED

Remove all sources of ignition. Add absorbent materials to large spills and scoop into approved disposal containers. Do not use combustible materials such as sawdust. Wipe up small spills and place wipers in an approved disposal container. Wash or steam clean the area of the spill.

#### WASTE DISPOSAL METHODS

Dispose of waste by burning in an approved incinerator, in accordance with federal, state and local regulations.

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## **SECTION 7 - Handling and Storage**

STORAGE TEMPERATURE: Ambient

STORAGE PRESSURE: Atmospheric

### GENERAL:

- Keep container closed. Loosen closure cautiously before opening
- Store in a cool, well ventilated area away from incompatible materials see Section 10 - Stability and Reactivity
- Keep away from heat, sparks and flame.
- Empty containers may retain hazardous properties
- Wash hands before eating, smoking, or using toilet facilities - Wash contaminated work clothing before re-use.
- Follow all MSDS/label warnings even after container is empty - Protect from freezing.

## **SECTION 8 - Exposure Controls/Personal Protection**

### **ENGINEERING CONTROLS**

The use of local exhaust ventilation is recommended to control emissions near the source. Provide mechanical ventilation in confined spaces.

### PERSONAL PROTECTION:

PROTECTIVE GLOVES: Should be worn for prolonged or repeated contact.

EYE PROTECTION: Should be worn for the handling of any chemical materials.

RESPIRATORY PROTECTION: None normally needed.

OTHER PROTECTIVE EQUIPMENT: Protective cream may be useful when repeated skin contact is expected.

## **SECTION 9 - Physical and Chemical Properties**

Vapor Pressure : Less than 10 mm Hg

Specific Gravity lighter than water

Solubility in water : Insoluble

pH : N. A.

Boiling point : 300-390 F

Viscosity : Viscous liquid

Percentage volatile : 53.4 %

Vapor Density: Heavier than air

Evaporation rate: Slower than butyl acetate

Freezing point: N. A.

Odor : Oily

Appearance: Colored viscous liquid

Physical state: Liquid

Volatile organics: 53.4 % w/w calculated

## **SECTION 10 - Stability and Reactivity**

GENERAL: This product is stable and hazardous polymerization will not occur.

INCOMPATIBLE MATERIALS AND CONDITIONS TO AVOID: Strong oxidizing agents Strong acids.

HAZARDOUS DECOMPOSITION: None



**SECTION 11 – Toxicity Information**

Hydrocarbon solvent CAS # 8052-41-3

Exposure Limits:

OSHA 100ppm TWA  
ACGIH 100ppm TWA

Hydrocarbon solvent CAS #64742-95-6

Exposure Limits:

OSHA 100ppm PEL

**SECTION 12 - Regulatory Information**

**Status on Substance Lists:**

FEDERAL EPA

Title III of the Superfund Amendments and Re-authorization Act (SARA) has created new reporting requirements for companies that handle certain chemicals and chemical categories. Specifically, Section 313 of SARA requires suppliers of mixtures or products containing these regulated chemicals to notify their customers. Therefore we are notifying you that this product contains Section 313 listed materials and their respective percentage by weight is indicated below.

Hydrocarbon Solvent CAS # 8052-41-3	31.5%
Hydrocarbon Solvent CAS # 64742-95-6	21.9%

Under the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA) any environmental release of the following chemicals at or over the reportable quantity listed must be reported promptly to the National Response Center, Washington, DC. 1-800-424-8802

Hydrocarbon Solvent CAS # 8052-41-3	1000 lbs.
Hydrocarbon Solvent CAS # 64762-95-6	1000 lbs.

**SECTION 13 - Other Information**

For industrial use only. Do not take internally. Containers must not be used for other purposes. Do not weld or flame cut an empty container. Do not transfer to unmarked containers.

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