

DYNAMIC FASTENER SERVICE INC.

SDS – SAFETY DATA SHEET

1. IDENTIFICATION

Product Identifier: Dyna-Seal

Synonyms: None

Chemical Formula: Not applicable for mixtures

Recommended Use of the Chemical: For industrial use only. Do not take internally.

Manufacturer / Supplier: Dynamic Fastener Service Inc.

Address: 9911 E. 53rd. St., Raytown, MO. 64133

Website: www.dynamicfastener.com

Phone: (816)-358-9898

Emergency CHEMTREC Phone: (800) 424-9300

2. HAZARD(S) IDENTIFICATION

Classification of the Substance or Mixture:

Flammable liquids (Category 4)

Eye damage / irritation (Category 2B)

Skin corrosion / irritation (Category 2)

Aspiration toxicity (Category 1)

Carcinogen (Category 1B)

Specific target organ toxicity - single exposure (Category 3)

Risk Phrases:

R36/38: Irritating to eyes and skin.

R45: May cause cancer.

R65: Harmful: May cause lung damage if swallowed. R67:

Vapors may cause drowsiness and dizziness.

Label Elements:

Signal Word: Danger



Hazard Statements:

H227: Combustible liquid.

H304: May be fatal if swallowed and enters airways.

H315: Causes skin irritation.

H320: Causes eye irritation.

H336: May cause drowsiness or dizziness.

H350: May cause cancer.

Precautionary Statements:

P210: Keep away from heat / sparks / open flames / hot surfaces – No smoking.

P233: Keep container tightly closed.

P242: Use only non-sparking tools.

P261: Avoid breathing vapors.

P264: Wash hands thoroughly after handling. Wash contaminated work clothing before reuse.
 P270: Do not eat, drink or smoke when using this product.
 P280: Wear protective gloves/ protective clothing/ eye protection/ face protection.
 P301+P310+P331: IF SWALLOWED, immediately call a doctor. Do NOT induce vomiting.
 P303 + P361 + P352: IF ON SKIN (or hair): Remove/ take off immediately all contaminated clothing. Wash with soap and water.
 P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing.
 P403+P233: Store in a well-ventilated place. Keep container tightly closed.

3. COMPOSITION INFORMATION / INGREDIENTS

Ingredient	CAS Number	EC Number	Percent
Elastomeric Resin	66070-58-4	--	7-17%
Hydrocarbon Resin	68441-37-2	--	9-19%
Stoddard Solvent	8052-41-3	232-489-3	30-40%
Calcium Carbonate	1317-65-3	215-279-6	6-16%
Aromatic Naphtha, Type I	64742-95-6	265-199-0	5-15%
Titanium Dioxide	13463-67-7	215-280-1	5-12%

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.

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

Skin Contact: Remove contaminated clothing including shoes and wash before reuse. In case of contact, wash off immediately with soap and plenty of water. If redness or irritation occurs seek medical attention.

Eye Contact: Immediately flush eyes with copious amounts of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Remove contact lenses, if present and easy to do. If irritation persists seek medical attention.

5. FIRE-FIGHTING MEASURES

Fire: Does not ignite easily

Explosion: Combustible

Fire Extinguishing Media: 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.

Special Information: 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.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures: Avoid breathing vapors, mist or gas. Ventilate area of leak or spill. Wear appropriate personal protective equipment as specified in Section 8. Isolate hazard area. Keep unnecessary and unprotected personnel from entering. Slippery, can cause falls if walked on.

Environmental Precautions and Methods and Materials for Containment and Cleaning Up: Remove all sources of ignition.

Small spillage: Wipe up small spills and place wipers in an approved disposal container. Do not let product enter drains. Wash or steam clean the area of the spill. Do not flush to sewer!

Large spillage: Contain and recover liquid when possible. Do not let product enter drains. Add absorbent materials to large spills and scoop into approved disposal containers. Do not use combustible materials such as sawdust. Wash or steam clean the area of the spill. Do not flush to sewer!

7. HANDLING AND STORAGE

Precautions for Safe Handling: Wear personal protective equipment as specified in Section 8. Ensure adequate ventilation. In case of insufficient ventilation, wear suitable respiratory equipment. Do not breathe vapors or spray mist. Avoid contact with skin and eyes. Loosen container closure cautiously before opening. Wash hands before eating, smoking, or using toilet facilities. Wash contaminated work clothing before re-use. Slippery, can cause falls if walked on.

Conditions for Safe Storage, Including Any Incompatibilities: Protect against physical damage. Keep container tightly closed in a dry and well-ventilated location at ambient temperature and atmospheric pressure away from incompatible materials (reference Section 10.) Keep away from heat, sparks, and flame. Protect from freezing.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Airborne Exposure Limits:

Stoddard Solvent (8052-41-3):

ACGIH TLV: 100 ppm, 525 mg/m³ TWA

OSHA PEL: 500 ppm, 2900 mg/m³ TWA Aromatic

Naphtha, Type I (64742-95-6):

OSHA PEL: 500ppm; 2000 mg/m³ - for petroleum distillates (naphtha) Titanium

Dioxide (13463-67-7):

ACGIH TLV: 10 mg/m³

OSHA PEL: 15 mg/m³

Ventilation System: A system of local and/or general exhaust is recommended to keep employee exposures below the Airborne Exposure Limits. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area. Please refer to the ACGIH document, *Industrial Ventilation, A Manual of Recommended Practices*, most recent edition, for details.

Personal Respirators (NIOSH Approved): Maintain adequate ventilation. A respirator is not normally required. In case of insufficient ventilation, wear a positive-pressure supplied-air respirator.

Skin Protection: Protective gloves should be worn for prolonged or repeated contact. Protective cream may be useful when repeated skin contact is expected.

Eye Protection: Use chemical safety goggles and / or a full face shield where splashing is possible. Maintain eye wash fountain and quick-drench facilities in work area.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Colored, viscous liquid

Odor: Faint oily odor

Odor Threshold: Not determined **pH:**

No data available

Melting Point: No data available

Boiling Point / Boiling Range: 149-199C (300-390F)

Flash Point: 37.8-48.9C (100-120F) ASTM D-93

Evaporation Rate (BuAC=1): Slower than butyl acetate

Flammability: Combustible

Upper / Lower Flammability or Explosive Limits: Upper 5.0%, Lower 0.8% (solvent)

Vapor Pressure (mm Hg): Less than 10 mm Hg

Vapor Density (Air=1): Heavier than air

Relative Density: Lighter than water

Solubility: Insoluble

Partition Coefficient: n-octanol / water: No data available

Auto-ignition Temperature: Not determined

Decomposition Temperature: Not determined

Viscosity: Viscous liquid

10. STABILITY AND REACTIVITY

Reactivity and / or Chemical Stability: Stable under ordinary conditions of use and storage.

Possibility of Hazardous Reactions and Conditions to Avoid: See Incompatible Materials. Keep away from heat / sparks / open flames / hot surfaces.

Incompatible Materials: Strong oxidizing agents Strong acids.

Hazardous Decomposition Products: 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.)

11. TOXICOLOGICAL INFORMATION

Emergency Overview:

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. May cause drowsiness or dizziness.

Ingestion: Ingestion may cause local irritation of the mucous membranes of the mouth, esophagus and stomach. May act as a laxative.

Skin Contact: Frequent or prolonged contact with the skin may cause temporary irritation or dermatitis.

Eye Contact: May cause severe irritation of the eye, leading to burns if not immediately treated.

Chronic Exposure: No data available.

Aggravation of Pre-existing Conditions: No data available.

Specific Target Organ Toxicity - Single Exposure (Globally Harmonized System): No data available.

Specific Target Organ Toxicity - Repeated Exposure (Globally Harmonized System): No data available.

Germ Cell Mutagenicity: No data available.

Reproductive Toxicity: No data available.

Aspiration Hazard: Product contains hydrocarbon solvents which may cause serious damage if aspirated into the lungs. Summon immediate medical help.

Numerical Measures of Toxicity: Cancer Lists: NTP Carcinogen

Ingredient	CAS Number	Known	Anticipated	IARC Category
Elastomeric Resin	66070-58-4	No	No	None
Hydrocarbon Resin	68441-37-2	No	No	None
Stoddard Solvent	8052-41-3	No	No	None
Calcium Carbonate	1317-65-3	No	No	None
Aromatic Naphtha, Type I	64742-95-6	No	No	None
Titanium Dioxide	13463-67-7	No	Yes	2B

Titanium dioxide is classified by the IARC as a Group 2B carcinogen (the substance is possibly carcinogenic to humans). The IARC classification was based on high concentrations of titanium dioxide particles in animal lungs.

Acute Toxicity:

Stoddard Solvent (8052-41-3):

Source: Journal of the American College of Toxicology, Part B. Vol. 1, Pg. 32, 1990. Oral

LD50: 5000 mg/kg (rat)

Dermal LD50: 3000 mg/kg (rabbit)

Inhalation LC50: 5500 mg/m³ (rat)

Aromatic Naphtha, Type I (64742-95-6): Oral

LD50: > 5,000 mg/kg (rat)

Inhalation LC50: > 3670 ppm (rat)

12. ECOLOGICAL INFORMATION

Ecotoxicity: This material has not been tested for environmental effects.

Persistence and Degradability: No data available.

Bioaccumulative Potential: No data available.

Mobility in Soil: No data available.

Results of PBT and vPvB assessment: No data available.

Other adverse effects: An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

13. DISPOSAL CONSIDERATIONS

Whatever cannot be saved for recovery or recycling should be handled as hazardous waste and sent to a RCRA approved incinerator or disposed in a RCRA approved waste facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and un-used contents in accordance with federal, state and local requirements.

Empty containers may retain hazardous properties. Containers must not be used for other purposes. Do not weld or flame cut an empty container. Do not transfer to unmarked containers. Follow all SDS label warnings even after container is empty.

14. TRANSPORT INFORMATION

UN Number: UN1139
UN Proper Shipping Name: Coating Solution
DOT: Not regulated via ground per CFR49, sec. 173.150

Land Transport ADR/RID and GGVS/GGVE (Cross Border / Domestic)

Packing Group: III
Transport Hazard Class(es): 3

Maritime Transport IMDG/GGVSea Packing

Group: III
Transport Hazard Class(es): 3

Air Transport ICAO-TI and IATA-DGR

Packing Group: III
Transport Hazard Class(es): 3

Transport in Bulk (according to Annex II of MARPOL 73/78 and the IBC Code): Not applicable

Special Precautions for User: Combustible Liquid

15. REGULATORY INFORMATION

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.

Stoddard Solvent (8052-41-3)	30-40%
Aromatic Naphtha, Type I (64742-95-6)	5-15%

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.

Stoddard Solvent (8052-41-3)	1000 lbs.
Aromatic Naphtha, Type I (64742-95-6)	1000 lbs.

16. OTHER INFORMATION

HMIS / NFPA Hazard Rating:

4=EXTREME

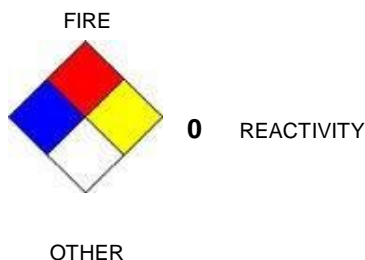
3= SERIOUS

2= MODERATE

1=SLIGHT

HEALTH

0=MINIMAL



Effective Date: 04/01/15 – Updated Acute Toxicity Information for 8052-41-3, Updated proper names for 8052-41-3 and 64742-95-6

Previous Revisions: 05/01/14 – Standardized for GHS / REACH; 3/30/01 – First Issue

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