



SAFETY DATA SHEET

Issuing Date 29-May-2015

Revision Date 2-Sept-2015

Revision Number 1

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

GHS Product Identifier

Product Name: Duck Patch Professional Grade Liquid Thermoplastic Rubber Patch

Recommended Use of the Chemical and Restrictions on Use

Recommended Use: Used to repair or rebuild roofing materials.
Uses Advised Against: For Exterior Use Only

Manufacturer's Details

Manufacturer Address
 ThorWorks Industries, Inc.
 2520 S. Campbell St.
 Sandusky, OH 44870
www.sealbest.com
 1-800-326-1994

Emergency Telephone Number Chemtrec 1-800-424-9300

2. HAZARDS IDENTIFICATION


Classification

This chemical is considered hazardous according to the OSHA Hazard Communication Standard 2012 (29 CFR 1910.1200).

Skin Corrosion/Irritation	Category 2
Serious Eye Damage, Eye Irritation	Category 2A
Flammable Liquids	Category 3

GHS Label Elements, Including Precautionary Statements

Emergency Overview

<p>Signal Word</p> <ul style="list-style-type: none"> ● Flammable Liquid and Vapor ● Harmful or Fatal if Swallowed 	<p>Warning</p>	<p>Appearance: White</p>	<p>Physical State: Mastic</p>	<p>Odor: Solvent (Mineral Spirits)</p>
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Precautionary Statements

Prevention

- Obtain Special Instructions Before Use
- Use Personal Protection as Required
- Avoid Breathing Dust/Mist/Vapor/Spray/Fume
- Do Not Eat, Drink, or Smoke When Using This Product
- Keep Container Tightly Closed When Not in Use
- Keep Away From Heat, Open Flame, Spark, or Hot Surfaces

- General Advice** •None
Storage •Store in a Well Ventilated, Cool Place
Disposal •Dispose in Accordance with Local, Regional, National, and International Regulations

Hazard Not Otherwise Classified (HNOC)

Not applicable

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS Number	Weight %	Trade Secret
Proprietary Polymers	Proprietary	30-50	*
Attapulgite	12174-11-7	0-10	*
Titanium Dioxide	13463-67-7	5-15	*
Aromatic 100	64742-95-6	30-50	*
Fiber	9004-34-6	0-10	

*The exact percentage of composition has been withheld as a trade secret.

4. FIRST AID MEASURES

Description of Necessary First-Aid Measures

- Eye Contact** Rinse thoroughly with plenty of water, also under the eyelids. If symptoms persist, call a physician.
- Skin Contact** Wash off immediately with soap and plenty of water. In the case of skin irritation or allergic reactions, see a physician.
- Inhalation** Move to fresh air. If symptoms persist, call a physician.
- Ingestion** Drink plenty of water. Do NOT induce vomiting. Get medical attention immediately.

Most Important Symptoms/Effects, Acute and Delayed

Most Important Symptoms/Effects May cause Eye and Skin Irritation

Indication of Immediate Medical Attention and Special Treatment Needed, if Necessary

Notes to Physician Treat Symptomatically. May cause sensitization by skin contact.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Carbon Dioxide (CO₂). Dry Chemical. Foam. Water Fog. Sand.

Unsuitable Extinguishing Media CAUTION: Do Not Use Solid Stream of Water.

Specific Hazards Arising from the Chemical

Combustible Liquid. Sealed Containers May Burst when Heated

Explosion Data

Sensitivity to Mechanical Impact Not Sensitive
Sensitivity to Static Discharge May Be Ignited by Heat, Flames, or Sparks

Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure- demand MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, and Emergency Procedures

Personal Precautions: Ensure adequate ventilation. Avoid contact with skin, eyes and clothing. Use personal protective equipment. Eliminate all ignition sources. Emergency responders should use personal protection described in Section 8.

Environmental Precautions

Environmental Precautions: Prevent entry into the environment. Alert Local Authorities if significant spillages cannot be contained. See Section 12 for additional Ecological Information

Methods and Materials for Containment and Cleaning Up

Methods for Containment: Prevent further leakage or spillage if safe to do so.

Methods for Cleaning Up: Dam up. Soak up with inert absorbent material. Pick up and transfer to properly labeled containers. Clean contaminated surface thoroughly in accordance to environmental regulations.

7. HANDLING AND STORAGE

Precautions for Safe Handling

Handling:

Handle in accordance with good industrial hygiene and safety practice. Remove all sources of ignition. Avoid contact with skin, eyes, and clothing. Wear personal protective equipment. Avoid breathing vapors or mists. Do not eat, drink, or smoke when using this product. Wash thoroughly after handling.

Conditions for Safe Storage, Including Any Incompatibilities

Storage:

Keep container tightly closed. Keep away from heat, sources of ignition, flame and spark. Store in a cool, well ventilated area.

Incompatible Products:

Strong oxidizing agents. Acids.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control Parameters

Exposure Guidelines

This product, as supplied, is not believed to contain any hazardous material that exceeds exposure limits established by OSHA.

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Attapulgit 12174-11-7	-	TWA: 15 mg/m ³ TWA: 5 mg/m ³ (vacated) TWA: 15 mg/m ³ (vacated) TWA: 5 mg/m ³	TWA: 5 mg/m ³ respirable dust TWA 10 mg/m ³ total dust
Titanium Dioxide 13463-67-7	-	TWA: 15 mg/m ³ TWA: 5 mg/m ³	TWA: 10 mg/m ³ respirable dust
Aromatic 100 64742-95-6	-	500 ppm	-

Appropriate Engineering Controls

Engineering Measures:

Showers
Eyewash Stations
Ventilation Systems- must be sufficient to keep vapor concentrations below the TWA limits shown above.

Individual Protection Measures, such as Personal Protective Equipment

Eye/Face Protection:

If splashes are likely to occur, wear: Safety glasses with side shields.

Skin and Body Protection:

Wear gloves that are impervious to chemical penetration.

Respiratory Protection:

No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn.

Hygiene Measures:

Avoid contact with skin, eyes, or clothing. Wash thoroughly with soap and water after handling. Avoid breathing vapors.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on Basic Physical and Chemical Properties

Physical State: Mastic

Appearance: White

Odor: Solvent (Mineral Spirits)

Odor Threshold: No Information Available

<u>Property</u>	<u>Values</u>	<u>Remarks/Method</u>
pH	No data available	None known
Melting Point/Range	No data available	None known
Boiling Point/Boiling Range	154° C	
Flash Point	40.5° C	
Evaporation Rate	No data available	None known
Flammability (solid, gas)	No data available	None known
Flammability Limits in Air		Flammable above 40.5° C
Upper flammability limit	No data available	
Lower flammability limit	No data available	
Vapor Pressure	No data available	None known
Vapor Density	No data available	None known
Specific Density	1.02 @ 25° C	None known
Water Solubility	Insoluble	
Solubility in other solvents	Yes, in aromatic and aliphatic solvents.	
Partition coefficient: n-octanol/water	No data available	None known
Autoignition Temperature	330° C	

Decomposition Temperature	No data available	None known
Viscosity	No data available	None known
Explosive Properties	Vapor accumulation could flash or explode if ignited.	
Oxidizing Properties	None	
VOC Content	No data available	

10. STABILITY AND REACTIVITY

Reactivity:	No data available	
Chemical Stability:	Stable under recommended storage conditions.	
Possibility of Hazardous Reactions:	None under normal processing.	
Hazardous Polymerization:	Hazardous polymerization does not occur.	
Conditions to Avoid:	Avoid contact with strong oxidizing agents, flame, and sparks.	
Incompatible Materials:	Strong oxidizing agents. Acids.	
Hazardous Decomposition Products:	Carbon Monoxide (CO), Carbon Dioxide (CO ²), Hydrogen Sulfide, Nitrogen Dioxide	

11. TOXICOLOGICAL INFORMATION

Information on Likely Routes of Exposure

Product Information

Inhalation:	May cause irritation of respiratory tract.
Eye Contact:	Contact with eyes may cause irritation.
Skin Contact:	May cause irritation.
Ingestion:	If swallowed, do not induce vomiting. Get medical attention immediately.

Symptoms Related to the Physical, Chemical, and Toxicological Characteristics

Symptoms:	Inhalation of high vapor concentrations may cause symptoms like headache, dizziness, fatigue, nausea, and vomiting.
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Delayed and Immediate Effects and also Chronic Effects from Short and Long Term Exposure

Sensitization:	May cause sensitization to susceptible persons.
Mutagenic Effects:	No information available.
Carcinogenicity:	The table below indicates whether each agency has listed any ingredient as a carcinogen. The IARC, NTP, and OSHA do not list asphalt as a carcinogen. In general, the oxidation of polycyclic aromatic hydrocarbons destroys their carcinogenic potential.

ACGIH: (American Conference of Governmental Industrial Hygienists)

A3 – Animal Carcinogen

IRAC: (International Agency for Research on Cancer)

Group 2B – Possibly Carcinogenic to Humans

NTP: (National Toxicity Program)

Reasonably Anticipated – Reasonably Anticipated to be a Human Carcinogen

OSHA: (Occupational Safety & Health Administration)

X – Present

Reproductive Toxicity:	No information available.
STOT - Single Exposure:	No information available.
STOT – Repeated Exposure:	No information available.
Aspiration Hazard:	No information available.

12. ECOLOGICAL INFORMATION

Ecotoxicity

The environmental impact of this product has not been fully investigated. This product may cause adverse environmental effects if used improperly or release to the environment through a spill. Employ best management practices to prevent this material from entering storm sewer systems, waterways or otherwise impacting plant and animal species.

Persistence and Degradability:	No information available.
Bioaccumulation	

Other Adverse Effects:	No information available.
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13. DISPOSAL CONSIDERATIONS

Waste Disposal Methods:	Disposal of material and container should be in accordance with local, regional, national, and international regulations.
Contaminated Packaging:	Do not re-use empty containers.

14. TRANSPORTATION INFORMATION

DOT: Regulated if shipped in containers >119 Gallons
Not regulated if shipped in containers <119 Gallons

Proper Shipping Name Combustible liquid, n.o.s. (mineral spirits)
Hazard Class 3
Packing Group III

15. REGULATORY INFORMATION

International Inventories

TSCA – Complies
DSL/NDSL – Complies

Legend

TSCA – United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL – Canadian Domestic Substances List/Non-Domestic Substances List

U.S. Federal Regulations

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372:

SARA 311/312 Hazard Categories

Acute Health Hazard	Yes
Chronic Health Hazard	Yes
Fire Hazard	Yes
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

Clean Water Act

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific requirements at the local, regional, or state level pertaining to releases of this material.

U.S. State Regulations

California Proposition 65: This product does not contain any Proposition 65 chemicals.

U.S. State Right-To-Know Regulations

"X" designates that the ingredients are listed on the state right to know list.

U.S. EPA Label Information

EPA Pesticide Registration Number: Not applicable

16. OTHER INFORMATION

NFPA	Health Hazard: 2	Flammability: 2	Instability: 0	Physical and Chemical Hazards- Personal Protection: X
HMIS	Health Hazard: 2	Flammability: 2	Physical Hazard: 0	

Revision Date: 2-Sept-2015
Revision Note: Supersedes 29-May-2015

General Disclaimer

The information provided on this SDS is correct to the best of our knowledge, information, and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.