

Safety Data Sheet

Issue Date: 31-May-2016

Revision Date: 19-March-2021

Version 1

1. IDENTIFICATION

Product Identifier

Product Name Tire Repair Plug, Repair Refill

Other means of identification

SDS # ELG-001

Product Code Catalog Numbers: RA, RS, RT, RHE
Synonyms Tire plug.

Recommended use of the chemical and restrictions on use

Recommended Use Butyl rubber based plug used for rubber tire repair.

Details of the supplier of the safety data sheet

Supplier Address

North Shore Holdings LLC
Dba: Safety Seal
4245 Main Ave
Fargo, ND 58103
978-531-3044

Emergency Telephone Number

Emergency Telephone (24 hr) INFOTRAC 1-352-323-3500 (International)
1-800-535-5053 (North America)

2. HAZARDS IDENTIFICATION

Appearance Light to dark colored rubber plug

Physical state Solid

Odor Odor is dependent on the type and grade of plug

Classification

Skin sensitization	Category 1
Carcinogenicity	Category 2
Reproductive toxicity	Category 1A
Specific target organ toxicity (repeated exposure)	Category 2

Hazards Not Otherwise Classified (HNOC)

Causes mild skin irritation

Signal Word

Danger

Hazard statements

May cause an allergic skin reaction
Suspected of causing cancer
May damage fertility or the unborn child
May cause damage to organs through prolonged or repeated exposure

Inhalation	Remove exposed individual(s) to fresh air for 20 minutes. Consult a physician / poison center if individual's condition declines or if symptoms persist.
Ingestion	Rinse mouth. Do not induce vomiting without medical advice. If conscious give 2 glasses of water to dilute. Never give anything by mouth to an unconscious person. Call a poison center or doctor/physician if you feel unwell.

Most important symptoms and effects

Symptoms	Causes mild skin irritation. May cause an allergic skin reaction.
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Indication of any immediate medical attention and special treatment needed

Notes to Physician	Treat symptomatically.
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5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Water. Carbon dioxide (CO2). Sand.

Unsuitable Extinguishing Media Not determined.

Specific Hazards Arising from the Chemical

Product is not flammable or combustible.

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	Wear protective clothing as described in Section 8 of this safety data sheet.
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Environmental precautions

Environmental precautions	See Section 12 for additional Ecological Information.
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Methods and material for containment and cleaning up

Methods for Containment	Prevent further leakage or spillage if safe to do so.
Methods for Clean-Up	Sweep or vacuum spills and place recovered rubber shavings in a container for proper disposal. For waste disposal, see section 13 of the SDS.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on Safe Handling	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Contaminated work clothing must not be allowed out of the workplace. Wear protective gloves. Do not breathe dust/fume/gas/mist/vapors/spray.
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Conditions for safe storage, including any incompatibilities

Storage Conditions Keep containers tightly closed in a cool, well-ventilated place. Store locked up.

Incompatible Materials Oxidizing agents.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
orange lead 1314-41-6	TWA: 0.05 mg/m ³ Pb	TWA: 50 µg/m ³ Pb	IDLH: 100 mg/m ³ Pb TWA: 0.050 mg/m ³ Pb
Thiram 137-26-8	TWA: 0.05 mg/m ³ inhalable fraction and vapor	TWA: 5 mg/m ³ (vacated) TWA: 5 mg/m ³	IDLH: 100 mg/m ³ TWA: 5 mg/m ³

Appropriate engineering controls

Engineering Controls Apply technical measures to comply with the occupational exposure limits. Showers
Eyewash stations
Ventilation systems. Explosion-proof general and local exhaust ventilation.

Individual protection measures, such as personal protective equipment

Eye/Face Protection Wear goggles or chemical safety glasses. Refer to 29 CFR 1910.133 for eye and face protection regulations.

Skin and Body Protection Depending on conditions, protective equipment such as gloves may be needed during tire repair. Refer to 29 CFR 1910.138 for appropriate skin and body protection.

Respiratory Protection If necessary, wear a MSHA/NIOSH-approved respirator. Refer to 29 CFR 1910.134 for respiratory protection requirements.

General Hygiene Considerations Avoid prolonged or repeated contact with skin. Careful bathing and clean clothes are indicated after prolonged exposure. Avoid repeated or prolonged breathing of rubber shavings in air.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state	Solid	Odor	Odor is dependent on the type and grade of plug Not determined
Appearance	Light to dark colored rubber plug	Odor Threshold	
Color	Color is dependent on the type and grade of plug		
Property	Values	Remarks • Method	
pH	N/A		
Melting Point/Freezing Point	> 204.4 °C / > 400 °F		
Boiling Point/Boiling Range	N/A		
Flash Point	N/A		
Evaporation Rate	Not determined		
Flammability (Solid, Gas)	Not determined		
Flammability Limits in Air		Not applicable	
Upper Flammability Limits	Not determined		
Lower Flammability Limit	Not determined		
Vapor Pressure	N/A		
Vapor Density	N/A		
Relative Density	Not determined		

Water Solubility	Insoluble
Solubility in other solvents	Not determined
Partition Coefficient	Not determined
Auto-ignition Temperature	N/A
Decomposition Temperature	Not determined
Kinematic Viscosity	Not determined
Dynamic Viscosity	Not determined
Explosive Properties	Not determined
Oxidizing Properties	Not determined

Other Information

VOC Content (%) N/A

10. STABILITY AND REACTIVITY

Reactivity

Not reactive under normal conditions.

Chemical Stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

None under normal processing.

Conditions to Avoid

Avoid temperatures above 400°F. Avoid contact with oxidizing agents, dry oil and open flame.

Incompatible Materials

Oxidizing agents.

Hazardous Decomposition Products

Burning produces irritating and toxic fumes. Carbon monoxide. Aldehydes. Flammable hydrocarbons. Inorganic acids.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure**Product Information**

Eye Contact	May cause mechanical eye irritation.
Skin Contact	Causes mild skin irritation. May cause an allergic skin reaction.
Inhalation	May cause irritation to the mucous membranes and upper respiratory tract.
Ingestion	Do not taste or swallow.

Component Information

Chemical Name	ATEmix (oral)	ATEmix (dermal)	Inhalation LC50
Thiram 137-26-8	= 560 mg/kg (Rat)	> 2000 mg/kg (Rat)	= 500 mg/m ³ (Rat) 4 h
p-benzoquinone dioxime 105-11-3	= 464 mg/kg (Rat)	-	-

Information on physical, chemical and toxicological effects

Symptoms Please see section 4 of this SDS for symptoms.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Sensitization May cause an allergic skin reaction.

Carcinogenicity Suspected of causing cancer.

Chemical Name	ACGIH	IARC	NTP	OSHA
Thiram 137-26-8		Group 3		
p-benzoquinone dioxime 105-11-3		Group 3		

Legend

IARC (International Agency for Research on Cancer)
Group 3 IARC components are "not classifiable as human carcinogens"

Reproductive toxicity May damage fertility or the unborn child.

STOT - repeated exposure May cause damage to organs through prolonged or repeated exposure.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Very toxic to aquatic life with long lasting effects.

Component Information

Chemical Name	Algae/aquatic plants	Fish	Crustacea
orange lead 1314-41-6		56000: 96 h <i>Gambusia affinis</i> mg/L LC50 static	
Thiram 137-26-8	0.1: 96 h <i>Desmodesmus subspicatus</i> mg/L EC50	0.27: 96 h <i>Pimephales promelas</i> mg/L LC50 0.034 - 0.05005: 96 h <i>Lepomis macrochirus</i> mg/L LC50 static 0.0491 - 0.0611: 96 h <i>Pimephales promelas</i> nM LC50 semi-static 1.2: 96 h <i>Leuciscus idus</i> mg/L LC50 static 0.0003: 96 h <i>Cyprinus carpio</i> mg/L LC50 semi-static 0.048: 96 h <i>Oncorhynchus mykiss</i> mg/L LC50 0.090 - 0.170: 96 h <i>Oncorhynchus mykiss</i> mg/L LC50 static 0.13: 96 h <i>Lepomis macrochirus</i> mg/L LC50 0.00024 - 0.00028: 96 h <i>Oncorhynchus mykiss</i> mg/L LC50 semi-static 0.22 - 0.33: 96 h <i>Poecilia reticulata</i> mg/L LC50 semi-static	0.21: 48 h <i>Daphnia magna</i> mg/L EC50

Persistence/Degradability

Not determined.

Bioaccumulation

Not determined.

Mobility

Chemical Name	Partition Coefficient
Thiram 137-26-8	1.73

Other Adverse Effects

Not determined

13. DISPOSAL CONSIDERATIONS

Waste Treatment Methods

- Disposal of Wastes** Disposal should be in accordance with applicable regional, national and local laws and regulations.
- Contaminated Packaging** Disposal should be in accordance with applicable regional, national and local laws and regulations.

US EPA Waste Number

Chemical Name	RCRA	RCRA - Basis for Listing	RCRA - D Series Wastes	RCRA - U Series Wastes
Thiram 137-26-8	U244			U244

California Hazardous Waste Status

Chemical Name	California Hazardous Waste Status
orange lead 1314-41-6	Toxic

14. TRANSPORT INFORMATION

- Note** Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.
- DOT** Not regulated
- IATA** Not regulated
- IMDG** Not regulated

15. REGULATORY INFORMATION

International Inventories

Chemical Name	TSCA	DSL/NDSL	EINECS/E LINCS	ENCS	IECSC	KECL	PICCS	AICS
Polybutylene	X	X		Present	X	Present	X	X
Nylon					X		X	
orange lead	X	X	X	Present	X	Present	X	X
Thiram	X	X	X	Present	X	Present	X	X
p-benzoquinone dioxime	X	X	X	Present	X	Present	X	X

Legend:

- TSCA - United States Toxic Substances Control Act Section 8(b) Inventory*
- DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List*
- EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances*
- ENCS - Japan Existing and New Chemical Substances*
- IECSC - China Inventory of Existing Chemical Substances*
- KECL - Korean Existing and Evaluated Chemical Substances*
- PICCS - Philippines Inventory of Chemicals and Chemical Substances*
- AICS - Australian Inventory of Chemical Substances*

US Federal Regulations

CERCLA

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

Chemical Name	Hazardous Substances RQs	CERCLA/SARA RQ	Reportable Quantity (RQ)
Thiram 137-26-8	10 lb		RQ 10 lb final RQ RQ 4.54 kg final RQ

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

Chemical Name	CAS No	Weight-%	SARA 313 - Threshold Values %
orange lead - 1314-41-6	1314-41-6	4-8	0.1
Thiram - 137-26-8	137-26-8	1-4	1.0

CWA (Clean Water Act)

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

Chemical Name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
orange lead		X		

US State Regulations

California Proposition 65

This product contains the following Proposition 65 chemicals.

Chemical Name	California Proposition 65
orange lead - 1314-41-6	Carcinogen

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania
orange lead 1314-41-6	X	X	X
Thiram 137-26-8	X	X	X
p-benzoquinone dioxime 105-11-3		X	

16. OTHER INFORMATION

<u>NFPA</u>	Health Hazards Not determined	Flammability Not determined	Instability Not determined	Special Hazards Not determined
<u>HMIS</u>	Health Hazards Not determined	Flammability Not determined	Physical hazards Not determined	Personal Protection Not determined

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 Revision Note: New format

Disclaimer

The information provided in this Safety Data Sheet 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 guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered 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 materials or in any process, unless specified in the text.

End of Safety Data Sheet