

MATERIAL SAFETY DATA SHEET

Safety Tread - Grey

Section 1: PRODUCT AND COMPANY IDENTIFICATION

Product Name: Safety Tread - Grey
Product Number: M1913
Product Use: Floor Paint.
Manufacturer/Supplier: Chance Company
210 North Allen Street
Centralia, Missouri U.S.A.
Phone Number: (573) 682-8465
Emergency Phone: (573) 682-8465
Date of Preparation: August 10, 2011

Section 2: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

WARNING

FLAMMABLE. HARMFUL IF SWALLOWED. MAY CAUSE EYE IRRITATION. MAY CAUSE SKIN IRRITATION.

Potential Health Effects: See Section 11 for more information.

Likely Routes of Exposure: Skin contact, eye contact, inhalation, and ingestion.

Eye: May cause eye irritation.

Skin: May cause skin irritation.

Ingestion: Harmful if swallowed. May cause stomach distress, nausea or vomiting.

Inhalation: May cause respiratory tract irritation.

Chronic Effects: Prolonged or repeated contact may dry skin and cause irritation.

Signs and Symptoms: Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva. Symptoms may include redness, edema, drying, defatting and cracking of the skin.

Medical Conditions Aggravated By Exposure: Asthma. Allergies.

Target Organs: Skin, eyes, gastrointestinal tract, respiratory system.

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

Potential Environmental Effects: May cause long-term adverse effects in the aquatic environment. See Section 12 for more information.

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Section 3: COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient	CAS #	Wt. %
Stoddard solvent	8052-41-3	1 - 5
Xylene	1330-20-7	3 - 7
Heptane	142-82-5	5 - 10
Zinc oxide	1314-13-2	1 - 5
Solvent naphtha (petroleum), light aliph.	64742-89-8	5 - 10
Medium aliphatic solvent naphtha (petroleum) C9-C12	64742-88-7	10 - 30
Aluminum oxide	1344-28-1	1 - 5

Section 4: FIRST AID MEASURES

- Eye Contact:** In case of contact, immediately flush eyes with plenty of water. If easy to do, remove contact lenses, if worn.
- Skin Contact:** In case of contact, immediately flush skin with plenty of water. Call a physician if irritation develops and persists.
- Inhalation:** If breathed in, move person into fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.
- Ingestion:** If swallowed, do NOT induce vomiting unless directed to do so by medical personnel. Seek medical attention or call poison control.
- General Advice:** In case of accident or if you feel unwell, seek medical advice immediately (show the label or MSDS where possible).
- Note to Physicians:** Symptoms may not appear immediately.

Section 5: FIRE FIGHTING MEASURES

Flammability: Flammable by WHMIS/OSHA criteria.

Means of Extinction:

Suitable Extinguishing Media: Powder, water spray, foam, carbon dioxide.

Unsuitable Extinguishing Media: Not available.

Products of Combustion: May include, and are not limited to: oxides of carbon.

Explosion Data:

Sensitivity to Mechanical Impact: Not available.

Sensitivity to Static Discharge: Not available.

Protection of Firefighters: Keep upwind of fire. Wear full fire fighting turn-out gear (full Bunker gear) and respiratory protection (SCBA).

Section 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions: Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel. Eliminate sources of ignition.

Environmental Precautions: Keep out of drains, sewers, ditches, and waterways. Minimize use of water to prevent environmental contamination.

Methods for Containment: Contain and/or absorb spill with inert material (e.g. sand, vermiculite), then place in a suitable container. Do not flush to sewer or allow to enter waterways. Use appropriate Personal Protective Equipment (PPE).

Methods for Clean-Up: Scoop up material and place in a disposal container. Provide ventilation.

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Other Information: Not available.

Section 7: HANDLING AND STORAGE

Handling:

Keep away from sources of ignition. No smoking. Avoid contact with skin and eyes. Do not swallow. Do not breathe gas/fumes/vapor/spray. Use only in well-ventilated areas. Handle and open container with care. When using do not eat or drink. Wash hands before eating, drinking, or smoking.

Storage:

Keep out of the reach of children. Keep container tightly closed. Do not store at temperatures above 49 °C / 120 °F.

Section 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines

Ingredient	Exposure Limits	
	OSHA-PEL	ACGIH-TLV
Stoddard solvent	100 ppm	100 ppm
Xylene	100 ppm	100 ppm
Heptane	400 ppm	400 ppm
Zinc oxide	5 mg/m ³ TWA (fume); 15 mg/m ³ TWA (total dust);	2 mg/m ³ TWA (resp)
Solvent naphtha (petroleum), light aliph.	5 mg/m ³ TWA (resp)	300 ppm
Medium aliphatic solvent naphtha (petroleum) C9-C12	300 ppm	100 ppm
Aluminum oxide	100 ppm 15 mg/m ³ (total) TWA 5 mg/m ³ (resp)	10 mg/m ³

Engineering Controls: Use ventilation adequate to keep exposures (airborne levels of dust, fume, vapor, etc.) below recommended exposure limits.

Personal Protective Equipment:

Eye/Face Protection: Wear eye/face protection.

Hand Protection: Wear suitable gloves.

Skin and Body Protection: Wear suitable protective clothing.

Respiratory Protection: In case of insufficient ventilation, wear suitable respiratory equipment.

General Hygiene Considerations: Handle according to established industrial hygiene and safety practices.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Viscous.
Color:	Gray.
Odour:	Aromatic.
Odour Threshold:	Not available.
Physical State:	Liquid.
pH:	Not available.
Viscosity:	> 1 (Air = 1)
Freezing Point:	Not available.

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Boiling Point:	~ 36.89 - 300°C (~ 98.40 - 572°F)
Flash Point:	~ -5.5 °C (~ 22.1 °F)
Evaporation Rate:	Not available.
Lower Flammability Limit:	0.8
Upper Flammability Limit:	7
Vapor Pressure:	40 mm HG @ 20 °C
Vapor Density:	> 1 (Air = 1)
Specific Gravity:	1.28
Solubility in Water:	Not available.
Coefficient of Water/Oil Distribution:	Not available.
Auto-ignition Temperature:	Not available.
Percent Volatile, wt. %:	Not available.
VOC content, wt. %:	Not available.

Section 10: STABILITY AND REACTIVITY

Stability: Stable under normal storage conditions. Keep in a cool place.

Conditions of Reactivity: Heat. Incompatible materials.

Incompatible Materials: Strong acids. Strong oxidizers. Amines. Bases. Mercaptans.

Hazardous Decomposition Products: May include, and are not limited to: oxides of carbon.

Possibility of Hazardous Reactions: No dangerous reaction known under conditions of normal use.

Section 11: TOXICOLOGY INFORMATION

EFFECTS OF ACUTE EXPOSURE

Component Analysis

Ingredient	LD₅₀ (oral)	LC₅₀
Stoddard solvent	> 5000 mg/kg, rat	> 5500 mg/m ³ 4hr, rat
Xylene	4300 mg/kg, rat	5000 ppm 4hr, rat
Heptane	5000 mg/kg, mouse	103 g/m ³ 4hr, rat
Zinc oxide	> 5000 mg/kg, rat	2500 mg/m ³ , mouse
Solvent naphtha (petroleum), light aliph.	Not available.	Not available.
Medium aliphatic solvent naphtha (petroleum) C9-C12	> 5000 mg/kg, rat	> 5.28 mg/L 4hr, rat
Aluminum oxide	> 5000 mg/kg, rat	Not available.

Eye: May cause eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva.

Skin: May cause skin irritation. Symptoms may include redness, edema, drying, defatting and cracking of the skin.

Ingestion: Harmful if swallowed. May cause stomach distress, nausea or vomiting.

Inhalation: May cause respiratory tract irritation.

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EFFECTS OF CHRONIC EXPOSURE

Target Organs: Not available.

Chronic Effects: Not hazardous by WHMIS/OSHA criteria.

Carcinogenicity: Not hazardous by WHMIS/OSHA criteria.

Ingredient

Chemical Listed as Carcinogen or Potential Carcinogen *

Stoddard solvent

Not listed.

Xylene

Not listed.

Heptane

Not listed.

Zinc oxide

Not listed.

Solvent naphtha (petroleum), light aliph.

Not listed.

Medium aliphatic solvent naphtha (petroleum) C9-C12

Not listed.

Aluminum oxide

Not listed.

* See Section 15 for more information.

Mutagenicity: Not hazardous by WHMIS/OSHA criteria.

Reproductive Effects: Not hazardous by WHMIS/OSHA criteria.

Developmental Effects:

Teratogenicity: Hazardous by WHMIS/OSHA criteria.

Embryotoxicity: Hazardous by WHMIS/OSHA criteria.

Respiratory Sensitization: Not hazardous by WHMIS/OSHA criteria.

Skin Sensitization: Not hazardous by WHMIS/OSHA criteria.

Toxicologically Synergistic Materials: Not available.

Section 12: ECOLOGICAL INFORMATION

Ecotoxicity: May cause long-term adverse effects in the aquatic environment.

Persistence / Degradability: Not available.

Bioaccumulation / Accumulation: Not available.

Mobility in Environment: Not available.

Section 13: DISPOSAL CONSIDERATIONS

Disposal Instructions:

This material must be disposed of in accordance with all local, state, provincial, and federal regulations.

Section 14: TRANSPORTATION INFORMATION

DOT Classification

ORM-D

TDG Classification

Limited Quantity

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Section 15: REGULATORY INFORMATION

Federal Regulations

Canadian: This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

US: MSDS prepared pursuant to the Hazard Communication Standard (CFR29 1910.1200).

SARA Title III

Ingredient	Section 302 (EHS) TPQ (lbs.)	Section 304 EHS RQ (lbs.)	CERCLA RQ (lbs.)	Section 313
Stoddard solvent	Not listed.	Not listed.	Not listed.	Not listed.
Xylene	Not listed.	Not listed.	100	313
Heptane	Not listed.	Not listed.	Not listed.	Not listed.
Zinc oxide	Not listed.	Not listed.	Not listed.	Not listed.
Solvent naphtha (petroleum), light aliph.	Not listed.	Not listed.	Not listed.	Not listed.
Medium aliphatic solvent naphtha (petroleum) C9-C12	Not listed.	Not listed.	Not listed.	Not listed.
Aluminum oxide	Not listed.	Not listed.	Not listed.	313

State Regulations

California Proposition 65:

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

Global Inventories

Ingredient	Canada DSL/NDSL	USA TSCA
Stoddard solvent	DSL	Yes.
Xylene	DSL	Yes.
Heptane	DSL	Yes.
Zinc oxide	DSL	Yes.
Solvent naphtha (petroleum), light aliph.	DSL	Yes.
Medium aliphatic solvent naphtha (petroleum) C9-C12	DSL	Yes.
Aluminum oxide	DSL	Yes.

HMIS - Hazardous Materials Identification System

Health - 1* Flammability - 3 Physical Hazard - 0 PPE - B

NFPA - National Fire Protection Association:

Health - 1 Fire - 3 Reactivity - 0

Hazard Rating: 0 = minimal, 1 = slight, 2 = moderate, 3 = severe, 4 = extreme

WHMIS Classification(s):

Class B2 - Flammable Liquid
Class D2A - Teratogenicity and Embryotoxicity
Class D2B - Skin/Eye Irritant

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WHMIS Hazard Symbols:



SOURCE AGENCY CARCINOGEN CLASSIFICATIONS:

OSHA (O) Occupational Safety and Health Administration.

ACGIH (G) American Conference of Governmental Industrial Hygienists.

A1 - Confirmed human carcinogen.

A2 - Suspected human carcinogen.

A3 - Animal carcinogen.

A4 - Not classifiable as a human carcinogen.

A5 - Not suspected as a human carcinogen.

IARC (I) International Agency for Research on Cancer.

1 - The agent (mixture) is carcinogenic to humans.

2A - The agent (mixture) is probably carcinogenic to humans; there is limited evidence of carcinogenicity in humans and sufficient evidence of carcinogenicity in experimental animals.

2B - The agent (mixture) is possibly carcinogenic to humans; there is limited evidence of carcinogenicity in humans in the absence of sufficient evidence of carcinogenicity in experimental animals.

3 - The agent (mixture, exposure circumstance) is not classifiable as to its carcinogenicity to humans.

4 - The agent (mixture, exposure circumstance) is probably not carcinogenic to humans.

NTP (N) National Toxicology Program.

1 - Known to be carcinogens.

2 - Reasonably anticipated to be carcinogens.

Section 16: OTHER INFORMATION

Disclaimer:

The information contained in this document applies to this specific material as supplied. It may not be valid for this material if it is used in combination with any other materials. It is the user's responsibility to satisfy oneself as to the suitability and completeness of this information for the user's own particular use.

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Prepared by: Nexreg Compliance Inc.

Phone: (519) 488-5126

www.nexreg.com