

Material Safety Data Sheet

1. PRODUCT AND COMPANY IDENTIFICATION

Product Identification

Product ID: WI50105/01
Product Name: Deck, Fence & Siding Stain.
Product Use: Stain Product.
Print Date: 5/6/13
Revision Date: 5/6/13

Company Identification

Wood Iron Wood Finishes
10475 Irma Drive, Unit 7
Northglenn, CO 80233
Manufacturer's Phone: 1-888-966-3476

24 Hour Medical Emergency Infotrac 1-800-535-5053

2. HAZARDS IDENTIFICATION

Primary Routes of Exposure:

Inhalation
Ingestion and/or
Skin absorption

Eye Contact:

May cause eye irritation.

Skin Contact:

May cause skin irritation. Repeated contact can cause dermatitis. Can be absorbed through skin.

Inhalation:

If inhaled, remove to fresh air. Get medical attention, if symptoms develop or persist. Medical conditions aggravated by exposure: any respiratory or skin condition.

Target Organ and Other Health Effects:

Kidney injury may occur.
Can cause headache, drowsiness or other effects to the central nervous system.
Can cause liver injury.
Can cause blood disorders.

Carcinogens:

Possible cancer hazard. May cause cancer based on animal cancer data.

3. COMPOSITION / INFORMATION ON HAZARDOUS INGREDIENTS

Ingredient Name CAS-No.	Approx. Weight %	Chemical Name
Stoddard Solvent 8052-41-3	35-40	Stoddard solvent
Proprietary Oil	5-10	Proprietary Oil
1,3,5-Trimethylbenzene 108-67-8	1-5	1,3,5-Trimethylbenzene
Xylene 1330-20-7	1-5	Xylenes (o-,m-,p-isomers)
1,2,4-Trimethylbenzene 95-63-6	1-5	1,2,4-Trimethylbenzene
Camene 98-82-8	1-1	Camene
Titanium Dioxide 13463-67-7	1-1	Titanium dioxide
Ethylbenzene 100-41-4	1-1	Ethylbenzene

4. FIRST AID MEASURES

Eye Contact:

Flush eye(s) with plenty of water for at least 15 minutes. Get medical attention.

Skin Contact:

Remove contaminated clothing and shoes. Wash off immediately with plenty of water for at least 15 minutes. If symptoms persist or develop, get medical attention.

Ingestion:

Get medical attention. Do NOT induce vomiting. Never give anything by mouth to an unconscious person.

Inhalation:

If inhaled, remove to fresh air. Get medical attention if symptoms develop or persist.

Medical conditions aggravated by exposure:

Any respiratory or skin condition.

5. FIRE FIGHTING MEASURES

Flash point: 108°F, 42°C (closed cup)
LEL-Lower explosive limit AP 0.5%
UEL-Upper explosive limit AP 6.0%
Auto-ignition 230°C (446°F)

Hazardous combustion products:

Carbon dioxide, carbon monoxide, smoke, fumes, and/or unburned hydrocarbons.

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FIRE FIGHTING MEASURES

Special Properties:

Combustible Liquid! Contaminated rags, sawdust, etc, may catch fire spontaneously. Store all contaminated material under water or in approved self-closing containers until can be properly disposed of in compliance with applicable regulations.

Unusual fire and explosion hazard:

None known.

Extinguishing Media:

Carbon dioxide, dry chemical, foam and/or water fog.

Fire fighting procedures:

Firefighters should be equipped with self-contained breathing apparatus and turn out gear. Keep all surrounding containers cool with water spray.

6. ACCIDENTAL RELEASE MEASURES

Steps to take in case material is released or spilled:

Ventilate area, contain spillage, absorb with non-combustible material and place into approved container for disposal. Observe all Federal, State and Local regulations for absorbing, disposal and notification.

7. HANDLING AND STORAGE

Precautions to be taken in handling, storage and use:

Keep container closed when not in use. Do not take internally. Keep away from heat, sparks and open flame. No smoking. Suitable storage for combustible material should be in accordance with OSHA regulations. Dispose of empty containers properly and follow all label and warnings even after container is empty. Do not cut or puncture container.

8. PERSONAL PROTECTIVE EQUIPMENT AND EXPOSURE CONTROLS

Personal Protective Equipment

Eye and face protection:

Wear safety glasses or goggles to protect against exposure.

Skin Contact:

Appropriate chemical resistant gloves should be worn.

PERSONAL PROTECTIVE EQUIPMENT

Respiratory Protection:

Control exposure below applicable limits or use appropriate NIOSH approved respirator with organic vapor cartridges and dust/mist pre-filter. Consult respirator manufacturer for proper respirator for protection needed. Follow all respirator manufacturer's instructions on proper use of respirator.

Ventilation:

Use only in well ventilated areas, take special precautions in confined areas.

Exposure Guidelines

OSHA Permissible Exposure Limits (PEL's)

Ingredient Name CAS-No.	Approx. Weight %	TWA (final)	Ceilings limits (final)	Skin designations
Stoddard Solvent 8052-41-3	35-40	2900 mg/m ³ TWA 500 ppm TWA		
Xylene 1330-20-7	1-5	100 ppm TWA 435 mg/m ³ TWA		
Proprietary Inert	1-5	20 mppcf or 80mg/m ³ / %SiO ₂		
Titanium Dioxide 13463-67-7	1-1	15 mg/m ³ TWA dust total		
Ethylbenzene 100-41-4	1-1	100 ppm TWA 435 mg/m ³ TWA		
Camene 98-82-8	1-1	50 ppm TWA		

ACGIH Threshold Limit Value (TLV's)

Ingredient Name CAS-No.	Approx. Weight %	TWA	STEL	Ceiling limits	Skin designations
Stoddard Solvent 8052-41-3	35-40	100 ppm TWA			
1,3,5- Trimethylbenzene 108-67-8	1-5	25 ppm			
Xylene 1330-20-7	1-5	100 ppm TWA	150 ppm STEL		
1,2,4- Trimethylbenzene 95-63-6	1-5	25 PPM			
Titanium Dioxide 13463-67-7	1-1	10 mg/m ³ TWA			
Ethylbenzene 100-41-4	1-1	100 ppm TWA	125 ppm STEL		
Camene 98-82-8	1-1	50 ppm TWA			

9. PHYSICAL PROPERTIES

Physical State:	Liquid.
Odor:	Hydrocarbon-like.
Color:	Clear amber.
Boiling Point:	315°F/157.2°C
Solubility in water:	Not determined.
Density (lbs./US gal.)	7.8
Evaporation rate: (butyl acetate = 1.0)	1
Flash Point F/C	103°F/40°C
Lower explosive limit	1
Upper explosive limit	6
Autoignition temperature	Not determined.
Ph	Not determined.
Vapor pressure	NA
Vapor density (air = 1.0)	>1
VOC	244 g/l

10. STABILITY AND REACTIVITY

Stability:	Stable under normal conditions.
Conditions to Avoid:	None known.
Incompatibility:	Avoid water-reactive materials, heat or contact with catalysts.
Hazardous Polymerization:	None anticipated.
Hazardous Decomposition Products:	Carbon monoxide, carbon dioxide, nitrogen compounds.
Sensitivity to static discharge:	Not expected.

11. TOXICOLOGICAL INFORMATION

Ingredient Name CAS-No.	Approx. Weight %	NIOSH- Selected LD50s and LC50s
Mineral Spirits 64742-47-8	15-20	>2000 mg/kg Derma LD50 Rabbit >5.2 mg/L Inhalation LC50 Rat 4 h >5000 mg/kg Oral LD50 Rat
1,3,5-Trimethylbenzene 108-67-8	1-5	=24 g/m ³ Inhalation LC50 Rat 4 h =5000 mg/kg Oral LD50 Rat
Xylene 1330-20-7	1-5	=4300 mg/kg Oral LD50 Rat =47635 mg/L Inhalation LC50 Rat 4 h =5000 ppm Inhalation LC50 Rat 4 h >1700 mg/kg Dermal LD50 Rabbit
1,2,4-Trimethylbenzene 95-63-6	1-5	=18 g/m ³ Inhalation LC 50 Rat 4 h =3400 mg/kg Oral LD50 Rat >3160 mg/kg Dermal LD50 Rabbit
Titanium Dioxide 13463-67-7	1-1	>10000 mg/kg Oral LD50 Rat
Ethylbenzene 100-41-4	1-1	=15354 mg/kg Dermal LD50 Rabbit =17.2 mg/L Inhalation LC50 Rat 4 h =3500 mg/kg Oral LD50 Rat

TOXICOLOGICAL INFORMATION

Mutagens/Teratogens/Carcinogens:

Possible cancer hazard. Contains material which may cause cancer based on animal data.

Contains ethylbenzene, which has been determined by NTP to be an animal carcinogen with no known relevance to humans. IARC has classified ethylbenzene as possibly carcinogenic to humans (2b) on the basis of sufficient evidence of carcinogenicity in laboratory animals but inadequate evidence of cancer in humans. Contains TI02 which is listed by IARC as a possible human carcinogen (Group 2B) based on animal data. Neither long term animal studies, nor human epidemiology studies of workers exposed to TI02 provide an adequate basis to conclude TI02 is carcinogenic. TI02 is not classified as a carcinogen by NTP, U.S. OSHA, or the U.S. EPA.

Ingredient Name CAS-No.	Approx. Weight %	California Prop 65 – Reproductive (Female)	California Prop 65- Carcinogen
Ethylbenzene 100-41-4	1-1		Listed. Initial date 6/11/04- carcinogen

Ingredient Name CAS-No.	Approx. Weight %	IARC Group 1 –Human Evidence	IARC Group 2A- Limited Human Data	IARC Group 2B-Sufficient Animal Data
Titanium Dioxide 13463-67-7	1-1			Monograph 47 (1989)
Ethylbenzene 100-41-4	1-1			Monograph 77 (2000)

Ingredient Name CAS-No.	Approx. Weight %	OSHA – Hazard Communication Carcinogens	OSHA- Specifically Regulated Carcinogens	ACGIH Carcinogens
Titanium Dioxide 13463-67-7	1-1	Present		
Ethylbenzene 100-41-4	1-1	Present		A3 Confirmed Animal Carcinogen with Unknown Relevance to Humans

12. ECOLOGICAL DATA

No information on ecology is available.

13. DISPOSAL CONSIDERATIONS

Disposal should be made in accordance with local, state and federal regulations.

14. TRANSPORTATION INFORMATION

U.S. Department of Transportation (DOT)

UN ID Number (msds): UN1263
Proper Shipping Name: Paint
Hazard Class: Combustible Liquid
Packing Group: III

International Maritime Organization (IMO)

UN ID Number: UN1263
Proper Shipping Name: Paint
Hazard Class: 3
Packing Group: III
Marine Pollutant: Yes

15. REGULATORY INFORMATION

U.S. Federal Regulations:

SARA Title III: Section 311/312 Hazard Class:

Acute: yes
Chronic: yes
Flammability: yes
Reactivity: 0
Sudden Pressure: 0

SARA TITLE III: Section 313

Ingredient Name CAS-No.	Approx. Weight %	SARA 313	CERCLA RQ in lbs.
Xylene 1330-20-7	1-5	Form R reporting required for 1.0% de minimis concentration	100
1,2,4- Trimethylbenzene	1-5	Listed.	
Ethylbenzene 100-41-4	1-1	Form R reporting required for 1.0% de minimis concentration	1000

INTERNATIONAL REGULATIONS – Chemical Inventories

US TSCA Inventory:

All components of this product are on TSCA inventory and are in compliance with U.S. requirements.

Canada Domestic Substances List:

All components of this product are on Canadian Domestic Substances List.

16. OTHER INFORMATION

HMIS Codes:

Health:	2
Flammability:	2
Reactivity:	0

Abbreviations:

OSHA – Occupational Safety and Health Administration, IARC – International Agency for Research on Cancer, NIOSH- National Institute of Occupational Safety and Health, NTP – National Toxicology Program, ACGIH – American Conference of Governmental Industrial Hygienists, SCAQMD – South Coast Air Quality Management District, TSCA – Toxic Substances Control Act, IATA – International Air Transport Association, IMO – International Maritime Organization, DOT – Department of Transportation, NA – Not applicable, NOT ESTAB – Not established, N.A.V. – Not available, RQ – Reportable quantity, WT- Weight, MG/CU M – Milligrams per cubic meter, G/L – Grams per liter, MM – Millimeters, MPPCF – Millions of particles per cubic foot, PPM – parts per million, PPT – parts per thousand, TCC/PM – Tag closed cup / Pensky-Martens, PB – Lead, PEL – Permissible exposure level, TWA – Time Weighted Average, STEL – Short term exposure limit, C – Celsius, F – Fahrenheit, ° - Degrees.

Disclaimer:

The information contained herein is based on data available at the time of preparation of this material safety data sheet and which Wood Iron Wood Finishes believes to be reliable. However, no warranty is expressed or implied regarding the accuracy of this data. Wood Iron Wood Finishes shall not be responsible for the use of this information, or of any product, method or apparatus mentioned and you must make your own determination of its suitability and completeness for your own use, for the protection of the environment, and the health and safety of your employees and users of this material. Complies with OSHA Hazard Communication Standard 29CFR1910.1200.

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