



ForceField® Restor-It Furniture Polish for Fine Wood

SAFETY DATA SHEET

SECTION 1 – CHEMICAL AND COMPANY IDENTIFICATION:

Product Name:	Restor-It™ Furniture Polish For Fine Wood	Date Printed:	8/31/2018
Product Use/Class:	Wood Polish/Synthetic Oil Emulsion	Product ID:	F RST
Supplier:	Shield Industries, Inc.	Manufacturer:	Shield Industries, Inc.
Address:	131 Smokehill Lane Woodstock, GA 30188 - USA	Address:	131 Smokehill Lane Woodstock, GA 30188 - USA
Telephone:	770-517-6869	24 Hour Emergency Hotline:	800-535-5053

SECTION 2 – HAZARD IDENTIFICATION:

Physical hazards:	Not applicable	-----
Health hazards:	Aspiration toxicity:	Category 1
	Eye irritation	Category 1
	Skin irritation	Category 1
	Specific target organ toxicity, single exposure	No data

Environmental hazards: Harmful to aquatic life. (H402)
OSHA defined hazards: Not classified.

Label elements:



Signal word: Danger

Hazard statement May cause an allergic skin reaction. (H317)
Causes serious eye damage. (H318)
May be fatal if swallowed and enters airways. (H304)

Precautionary statements:

Prevention: Wear protective gloves/protective clothing/eye protection/face protection. (P280)
Wash hands and exposed skin thoroughly after handling. (P264)

Avoid breathing vapours. (P261)
Contaminated work clothing should not be allowed out of workplace. (P272)

Response: IF SWALLOWED: Do NOT induce vomiting. Get immediate medical advice/attention. (P301 + P331 + P315)
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If experiencing respiratory symptoms: Get immediate medical advice/attention (P304 + P340 + P342 + P315)
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical immediate attention. (P305 + P351 + P338 + P315)

Storage: Keep out of reach of children. (P102)

Disposal: Dispose of contents/container to an approved waste disposal plant. (P501)

Hazard(s) not otherwise classified (HNOC): None.

Supplemental information: None.

SECTION 3 COMPOSITION/INFORMATION ON COMPONENTS

<u>COMPONENTS</u>	<u>CAS NUMBER</u>	<u>%</u>
Water	7732-18-5	82 - 86 %
Distillates (petroleum), hydrotreated heavy naphthenic	64742-52-5	5 – 10%
Alcohols, C9-11 ethoxylated	68439-46-3	1 - 5 %
Proprietary non-ionic surfactant(s)	Trade Secret*	< 1 %
2,2-Benzisothiazolin-3-one	2634-33-5	< 1 %
Fragrance	Mixture	< 1 %

* Designates that a specific chemical identity and/or percentage of composition has been withheld as a trade secret.

Additional Information:

Substances in the product which may present a health or environmental hazard, or which have been assigned occupational exposure limits, are detailed below:

None

SECTION 4 FIRST AID MEASURES

Inhalation: Move person to fresh air and keep at rest in a position comfortable for breathing. If breathing is labored, administer oxygen. If breathing stops, give artificial respiration. If systems persist, contact a POISON CENTER or doctor/physician.

Skin contact: If on skin, wash affected skin with plenty of water. If skin irritation or rash occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse.

Eye contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Keep eyes wide open and continue rinsing for several minutes. Get immediate medical attention.

Ingestion: Seek medical attention immediately (physician or Poison Control Center) and follow instructions. Keep respiratory tract clear. Aspiration hazard. Do NOT induce vomiting. Never give anything by mouth to an unconscious person

Most important symptoms/effects, acute and delayed:

Eyes: Can cause eye damage.
Skin: May cause allergic skin reaction.

Indication of immediate medical attention and special treatment needed:

IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician).

General information:

More affected persons from dangerous area. Do not leave victim unattended. Ensure that medical personnel are aware of the material(s) involved. Show this safety data sheet to the doctor in attendance.

SECTION 5 FIRE FIGHTING MEASURES

Suitable extinguishing media:

Non-combustible. Use media appropriate for surrounding fire.

Unsuitable extinguishing media:

None known.

Specific hazards arising from the chemical:

Combustion or thermal decomposition will evolve toxic and/or irritant vapours. Forms fumes of oxides of carbon, and low molecular weight organics.

Special protective equipment and precautions for firefighters:

Firefighters should wear proper protective equipment and self-contained breathing apparatus with full facepiece operated in the positive pressure mode.

Fire-fighting equipment/instructions:

Keep unnecessary personnel away. Move containers from fire area if you can do so without risk. Containers should be cooled with water to prevent vapour pressure build up.

Specific methods:

Use standard firefighting procedures and consider the hazards of other involved materials. Move containers from fire area if you can do so without risk. In the event of fire and/or explosion do not breathe fumes.

General fire hazards:

None known.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:

Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Avoid skin contact. Do not breathe vapours. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them.

Environmental precautions:

Avoid release to the environment. Do not allow to enter drains, sewers, or waterways. Prevent further leakage or spillage if safe to do so. Inform appropriate managerial or supervisory personnel and authorities of all environmental releases.

Methods and materials for containment and cleaning up:

Shut off source of the leak, if safe to do so. Contain spillages and then collect with sand, earth, diatomaceous earth, vermiculite, or any other suitable adsorbent material. Collect spillage using explosion-proof vacuum equipment, or pump, to storage/salvage container for disposal or recovery. Following product removal, flush area with water. If possible prevent water running into sewers. For waste disposal, see section 13 of the SDS.

SECTION 7 HANDLING AND STORAGE

Precautions for safe handling:

Avoid contact with skin and eyes. Wear appropriate personal protective equipment. Avoid breathing mist/vapours/spray. Smoking, eating and drinking should be prohibited in the application area. When opening containers, do so slowly, to vent slight pressure that may build up after prolonged storage. Wash hands thoroughly after handling. Avoid release to the environment. Observe good industrial hygiene practices. Contaminated clothing should not be allowed out of the workplace.

Advice on protection against fire and explosion:

None – Product is non-combustible

Conditions for safe storage, including any incompatibilities:

Keep container tightly closed in a dry and well-ventilated place. Keep cool. Do not store at temperatures above 50° C. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Observe label precautions. Protect material from direct sunlight and excessive exposure to air or oxygen. Keep out of reach of children.

SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational exposure limits:

U.S. ACGIH Threshold Limit Values

<u>Components</u>	<u>CAS</u>	<u>Type</u>	<u>Value</u>
None			

U.S. NIOSH: Pocket Guide to Chemical Hazards

<u>Components</u>	<u>CAS</u>	<u>Type</u>	<u>Value</u>
None			

A U.S. OSHA (Table Z-1)

<u>Components</u>	<u>CAS</u>	<u>Type</u>	<u>Value</u>
None			

Appropriate engineering controls:

Not normally required. If inadequate local ventilation is present, provide sufficient mechanical ventilation (general and local exhaust) to maintain exposure below the established limits.

Individual protection measures, such as personal protective equipment:

Eye/face protection:

Wear safety glasses with side shields (or goggles) where splashing is likely.

Hand protection:

Wear appropriate chemical resistant gloves to minimize physical contact (Butyl rubber, Neoprene, or Natural rubber). Check with protective equipment manufacturer's data.

Skin protection/Other:

Wear impervious clothing as necessary to protect from splashes.

Respiratory protection:

Not normally required. If workplace permissible exposure limits of product, or any component, are exceeded: Use NIOSH approved air supplied respirator in the absence of proper environmental controls. OSHA regulations also permit other NIOSH/MSHA respirators (negative pressure type) under specified conditions. (Consult your safety representative.) Engineering controls, or administrative controls, should be implemented to reduce exposure.

Thermal hazards:

Not normally required.

General hygiene considerations:

When using, do not eat, drink or smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

Environmental exposure controls:

Avoid release to the environment.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance:

Physical state:	Water emulsifiable liquid
Form:	Emulsion
Color:	Creamy white to off-white emulsion
Odor:	Characteristic, mild
Odor threshold:	Not available.
pH:	6.5 +/- 0.5
Melting point/freezing point:	0°C estimated
Initial boiling point and boiling range	100°C estimated
Flash point:	Not available.
Evaporation rate:	Approximately 1 (water = 1)
Flammability (solid, gas):	Not applicable.
Upper/lower flammability or explosive limits:	
Flammability limit – lower (%):	Not available.
Flammability limit – upper (%):	Not available.
Explosive limit - lower (%):	Not available.
Explosive limit - upper (%):	Not available.
Vapor pressure:	Not available.
Relative Vapor density:	> Air
Relative density:	0.97 +/- 0.02
Solubility (water):	Completely emulsifiable.

Partition coefficient (n-octanol/water):	Not available.
Auto-ignition temperature:	Not applicable.
Decomposition temperature:	Not available.
Viscosity (kinematic cSt @ 40 °C):	<20 mm ² /s
Explosive properties:	Not explosive.
Oxidizing Properties:	Not oxidizing.
Other information:	
VOC:	0.05 %
LVP:	0.0 %
Ionic nature:	Non-Ionic

SECTION 10 STABILITY AND REACTIVITY

Reactivity:

The product is stable and non-reactive under normal ambient conditions of use, storage and transport.

Chemical stability:

Material is stable under normal conditions.

Possibility of hazardous reactions:

None anticipated.

Conditions to avoid:

Avoid contact with excessive heat, freezing, ignition sources, and incompatible materials.

Incompatible materials:

Strong oxidizing or reducing agents.

Hazardous decomposition products:

In case of fire or extreme heat, thermal decomposition may evolve toxic and/or irritant vapours. Forms fumes of oxides of carbon, nitrogen and phosphorus.

SECTION 11 TOXICOLOGICAL INFORMATION

Information on likely routes of exposure:

Inhalation: Vapours may cause mild irritation to respiratory tract.

Skin contact: Causes skin irritation and/or allergic skin reaction.

Eye contact: Causes serious eye damage.

Symptoms related to the physical, chemical and toxicological characteristics:

May cause irritation of nose and throat. Eye damage. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May cause redness and/or rash.

Information on toxicological effects:

Acute toxicity:

Components	CAS#	Test	Species	Test Results
Alcohols, C9-11 ethoxylated	68439-46-3	Acute Oral LD50	Rat	1400 mg/kg
		Acute Dermal LD50	Rat	> 5000 mg/kg
1,2-Benzisothiazolin-3-one	2634-33-5	Acute Oral LD50	Rat	>300 – ≤ 2000 mg/kg
		Acute Dermal LD50	Rat	> 5000 mg/kg

- Skin corrosion/irritation:** Causes skin irritation. May cause an allergic skin Reaction.
- Serious eye damage/eye irritation:** Causes eye serious damage.
- Respiratory or skin sensitization:**
Respiratory sensitization: Vapours may cause irritation.
Skin sensitization: This product has not been tested, however none of the components is expected to cause skin sensitization.
- Germ cell mutagenicity:** No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.
- Carcinogenicity:** This product is probably not carcinogenic to humans.
- OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050):**
Not listed.
- Repeated dose toxicity:**
No data.
- Specific target organ toxicity - single exposure:**
No data.
- Teratogenicity:**
No data available.
- Aspiration hazard:**
May be fatal if swallowed and enters airways.

SECTION 12 ECOLOGICAL INFORMATION

Ecotoxicity: No data available (estimates only). Material ingredients are expected to be readily biodegradable, and have low bio-concentration factors.

Acute Toxicity:

<u>Components/CAS</u>	<u>Test</u>	<u>Species</u>	<u>Test Results</u>
Alcolols, C9-11	LC50	Fish	8.5 mg/l (96 Hr.)
ethoxylated	EC50	Daphnia magna	5.3 mg/l (48 Hr.)
(CAS# 68439-46-3)	ErC50	Algae	1 – 10 mg/l (96 Hr.)

Long Term Toxicity:
No data available.

Persistence and degradability:
Readily biodegradable.

Bioaccumulative potential:
No data available.

Mobility in soil:

Not classified as PBT or vPvB.

Results of PBT and vPvB assessment:

Not classified as PBT or vPvB.

Other adverse effects:

Readily biodegradable.

SECTION 13 DISPOSAL CONSIDERATIONS

Waste treatment/disposal instructions:

If this product becomes a waste, it may meet one or several criteria of a hazardous waste as defined under the Resource Conservation and Recovery Act (RCRA) 40CFR261, depending upon what it is mixed with. Disposal should be in accordance with local, state, or national legislation. Consult an accredited waste disposal contractor or the local authority for advice.

Waste from residues / unused products:

Do not dispose of waste into sewer. Do not contaminate ponds, waterways or ditches with chemical or used container. Send to a licensed waste management company. Dispose of in accordance with federal, state and local regulations.

Contaminated packaging:

Exercise caution as empty containers or liners may retain some product residues. Do not re-use empty containers. Dispose of empty containers in accordance with federal, state and local regulations.

SECTION 14 TRANSPORT INFORMATION

DOT

UN number: Not applicable

UN proper shipping name: Cleaning compounds N.O.S.

Transport hazard class(es):

Class: Not applicable

Subsidiary risk: -

Label(s): Not applicable

Packing group: Not applicable

Special precautions for user:

Read safety instructions, SDS and emergency procedures before handling. Read safety instructions, SDS and emergency procedures before handling.

Environmental hazards: No

Special provisions: None Assigned

Packaging exceptions:

None – Not classified as dangerous for transportation

Packaging bulk:

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:
Not applicable

IATA

UN number: Not applicable

UN proper shipping name: Cleaning compounds N.O.S.

Transport hazard class(es):

Class Not applicable

Subsidiary risk -

Label(s) Not applicable

Packing group Not applicable

Environmental hazards No

ERG Code Not applicable

Special precautions for user:

Read safety instructions, SDS and emergency procedures before handling. Read Safety instructions, SDS and emergency procedures before handling.

Packaging bulk:

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:
Not applicable

IMDG

UN number: Not applicable

UN proper shipping name: Cleaning compounds, n.o.s.

Transport hazard class(es):

Class: Not applicable

Subsidiary risk: -

Label(s): Not applicable

Packing group: Not applicable

Environmental hazards:

Marine pollutant: No

Special precautions for user:

Read safety instructions, SDS and emergency procedures before handling. Read safety instructions, SDS and emergency procedures before handling.

Packaging bulk:

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:
Not applicable

SECTION 15 REGULATORY INFORMATION

US federal regulations:

This product is not a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200. All components are on the U.S. EPA TSCA Inventory List or polymer exempt.

TSCA Section 5 SNUR: (40 CFR 721.10536.

No Listed materials.

CERCLA Hazardous Substance List (40 CFR 302.4)

No Listed materials.

SARA 311/312 – Superfund Amendments and Reauthorization Act of 1986:

Hazard categories:

Immediate Hazard Yes

Delayed Hazard No

Fire Hazard No

SARA 313 – Toxic Chemicals (40 CFR 372):

No Listed materials.

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SARA 302 Threshold Planning Quantity:

Not regulated.

Other federal regulations:

Clean Air Act (CAA) Ozone-Depletion Potential:

This product neither contains, nor was manufactured with a Class I, or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App. A+B).

US state regulations

California Proposition 65:

None of the ingredient of this product are listed.

SECTION 16 OTHER INFORMATION

NFPA RATING: HEALTH: 2 FLAMMABILITY: 0 REACTIVITY: 0

PREPARATION INFORMATION:

DATE CREATED: 01/01/06 LAST REVISION: 08/31/2018

CREATED/REVISED BY: R. Lasnik

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End of SDS