

SAFETY DATA SHEET

1. Identification

Product identifier Goodrich SILVERboot™ Polish

Other means of identification

Product code 0500NH15

Goodrich Part No. 74-451-239-16 **Synonyms**

Recommended use Polish. **Recommended restrictions** None known.

Manufacturer/Importer/Supplier/Distributor information

Supplier

Goodrich Corporation Company name

UTC Aerospace Systems Sensors and Integrated Systems (Formerly De-icing

and Specialty Systems)

Address 1555 Corporate Woods Parkway

Uniontown, Ohio 44685

USA

E-mail Terry.Sluss@utas.utc.com

Contact name EH&S Manager Telephone number (330)374-4011 **Emergency telephone** (800)424-9300

number

2. Hazard(s) identification

Physical hazards Flammable liquids Category 4 **Health hazards** Skin corrosion/irritation Category 2 Serious eye damage/eye irritation Category 2A

Specific target organ toxicity, repeated

Category 1 (Central Nervous System)

exposure

Environmental hazards Hazardous to the aquatic environment, acute Category 3

hazard

Hazardous to the aquatic environment, Category 3

long-term hazard

OSHA defined hazards Not classified.

Label elements



Signal word

Hazard statement Combustible liquid. Causes skin irritation. Causes serious eye irritation. Causes damage to

organs (Central Nervous System) through prolonged or repeated exposure. Harmful to aquatic life

with long lasting effects.

Precautionary statement

Prevention Keep away from flames and hot surfaces-No smoking. Do not breathe mist or vapor. Wash

thoroughly after handling. Do not eat, drink or smoke when using this product. Wear protective

gloves/eye protection/face protection. Avoid release to the environment.

Response If on skin: Wash with plenty of water. If skin irritation occurs: Get medical advice/attention. If in

eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy

to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. Take off contaminated clothing and wash before reuse. In case of fire: Use appropriate media to

extinguish.

Storage Store in a well-ventilated place. Keep cool.

Disposal Dispose of contents/container in accordance with local/regional/national/international regulations.

Hazard(s) not otherwise classified (HNOC)

None known.

Supplemental information None.

3. Composition/information on ingredients

Mixtures

Chemical name	CAS number	%	
Ammonium hydroxide	1336-21-6	0.1 - < 0.2	
Naphtha (petroleum), hydrotreated heavy	64742-48-9	15-25	
Kaolin (with >= 0.1% crystalline silica)	1332-58-7	10-20	
Lauric acid	143-07-7	1-5	
Stoddard solvent	8052-41-3	<2	
Quartz	14808-60-7	<1	
Titanium dioxide	13463-67-7	<1	
Ethylbenzene	100-41-4	<0.1	

Composition comments

All concentrations are in percent by weight. Components not listed are either

non-health-hazardous or are below reportable limits.

4. First-aid measures

Inhalation Move to fresh air. Oxygen or artificial respiration if needed. Call a physician if symptoms develop or

persist.

Skin contact Remove contaminated clothing. Wash with plenty of soap and water. If skin irritation occurs: Get

medical advice/attention. Wash contaminated clothing before reuse.

Eye contact Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.

Rinse mouth. Do not induce vomiting. If vomiting occurs, keep head low so that stomach content

doesn't get into the lungs. Never give anything by mouth to a victim who is unconscious or is

having convulsions. Get medical attention if symptoms occur.

Most important symptoms/effects, acute and

delayed

Indication of immediate medical attention and special treatment needed

General information

Ingestion

Narcosis. Behavioral changes. Decrease in motor functions. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May cause redness and pain. Prolonged exposure may cause chronic effects.

Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.

If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

5. Fire-fighting measures

Suitable extinguishing media Unsuitable extinguishing media

Specific hazards arising from

the chemical

Special protective equipment

and precautions for firefighters

Water fog. Alcohol resistant foam. Dry chemical powder. Carbon dioxide (CO2).

Do not use water jet as an extinguisher, as this will spread the fire.

The product is combustible, and heating may generate vapors which may form explosive vapor/air mixtures. During fire, hazardous combustion products are released that may include: Carbon oxides (COx). Aluminum oxides. Titanium oxide. Silicon oxides. Metal oxides.

2 / 10

Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Fire fighting equipment/instructions

In case of fire and/or explosion do not breathe fumes. Move containers from fire area if you can do

so without risk.

Specific methods

General fire hazards

Use standard firefighting procedures and consider the hazards of other involved materials.

Combustible liquid.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Wear appropriate protective equipment and clothing during clean-up. Do not breathe mist or vapor. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

Methods and materials for containment and cleaning up

Use water spray to reduce vapors or divert vapor cloud drift. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil, etc.) away from spilled material. Prevent product from entering drains.

Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Following product recovery, flush area with water.

Small Spills: Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.

Environmental precautions

Avoid release to the environment. Inform appropriate managerial or supervisory personnel of all environmental releases. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.

7. Handling and storage

Precautions for safe handling

Keep away from open flames, hot surfaces and sources of ignition. Do not breathe mist or vapor. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. When using, do not eat, drink or smoke. Provide adequate ventilation. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Avoid release to the environment. Observe good industrial hygiene practices.

Conditions for safe storage, including any incompatibilities

Keep away from heat, sparks and open flame. Store in a cool, dry place out of direct sunlight. Store in original tightly closed container. Store in a well-ventilated place. Keep in an area equipped with sprinklers. Store away from incompatible materials (see Section 10 of the SDS).

8. Exposure controls/personal protection

Occupational exposure limits

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Components	Type	Value	Form
Ethylbenzene (CAS 100-41-4)	PEL	435 mg/m3	
,		100 ppm	
Kaolin (with >= 0.1% crystalline silica) (CAS 1332-58-7)	PEL	5 mg/m3	Respirable fraction.
,		15 mg/m3	Total dust.
Naphtha (petroleum), hydrotreated heavy (CAS 64742-48-9)	PEL	400 mg/m3	
,		100 ppm	
Quartz (CAS 14808-60-7)	PEL	0.05 mg/m3	Respirable dust.
Stoddard solvent (CAS 8052-41-3)	PEL	2900 mg/m3	
,		500 ppm	
Titanium dioxide (CAS 13463-67-7)	PEL	15 mg/m3	Total dust.

Goodrich SILVERboot™ Polish SDS US

936705 Version #: 01 Revision date: - Issue date: 21-February-2017

US. OSHA Table Z-3 (29 CFR 1910.1000)

Kaolin (with >= 0.1%	Components	Туре	Value	Form
15 mg/m3 Total dust. 50 mppcf Total dust. 15 mppcf Total dust. 15 mppcf Total dust. 15 mppcf Total dust. 15 mppcf Respirable fraction. 17 mpm Total dust. 15 mppcf Respirable. 2.4 mppcf Respirable fraction. 2.5 mppcf Total dust. 2.5 mpp	crystalline silica) (CAS	TWA	5 mg/m3	Respirable fraction.
Somport	1002 00 17		15 mg/m3	Total dust.
Quartz (CAS 14808-60-7) TWA 0.3 mg/m3 Total dust. (0.1 mg/m3) Respirable. Respirable. (0.1 mg/m3) Total dust. (0.1 mg/m3)			_	Total dust.
Quartz (CAS 14808-60-7) TWA 0.3 mg/m3 (Laminom) Total dust. Respirable. Respirable. Respirable. 2.4 mppcf Titanium dioxide (CAS (CAS 134808-60-7) TWA 5 mg/m3 (Daminom) Respirable fraction. 13463-67-7) 15 mg/m3 (Daminom) Total dust. To mppcf Total dust. Total du				
1 mg/m3	Quartz (CAS 14808-60-7)	TWA		•
Titalnium dioxide (CAS TWA 5 mg/m3 mpcf Respirable fraction. 13463-67-7) 15 mg/m3 mpcf Total dust. 70tal dust. 70tal dust. 70tal dust. 70tal dust. 70tal mpcf Respirable fraction. Components Type Value Form Ammonium hydroxide (CAS STEL 35 ppm 1336-21-6) TWA 25 ppm Ethylbenzene (CAS TWA 20 ppm 100-41-4) TWA 20 ppm Kaolin (with >= 0.1% TWA 2 mg/m3 Respirable fraction. visualline silica) (CAS TWA 100 ppm Respirable fraction. Voluntiz (CAS 14808-60-7) TWA 0.025 mg/m3 Respirable fraction. Stoddard solvent (CAS TWA 100 mg/m3 Respirable fraction. Valuatiz (CAS 14808-60-7) TWA 100 mg/m3 Promonents Valuatiz (CAS 14808-60-7) TWA 10 mg/m3 Promonents Components Type Value Form Ethylbenzene (CAS STEL 27 mg/m3 10 mg/m3 1332-21-6) 125 ppm 125 pp	,			Respirable.
15 mg/m3			2.4 mppcf	Respirable.
So mppof Total dust. Respirable fraction.		TWA	5 mg/m3	Respirable fraction.
US. ACGIH Threshold Limit Values Form Components Type Value Form Ammonium hydroxide (CAS STEL 35 ppm 1336-21-6) TWA 25 ppm Ethylbenzene (CAS TWA 20 ppm 100-41-4) TWA 2 mg/m3 Respirable fraction. Cystalline silica) (CAS TWA 0.025 mg/m3 Respirable fraction. Cystalline silica) (CAS 14808-60-7) TWA 0.025 mg/m3 Respirable fraction. Stoddard solvent (CAS 14808-60-7) TWA 100 ppm Respirable fraction. Stoddard solvent (CAS 14808-60-7) TWA 10 mg/m3 Respirable fraction. Stoddard solvent (CAS 14808-60-7) TWA 10 mg/m3 Porm US. NIOSH: Pocket Guide to Chemical Hazards Type Value Form Components Type Value Form Ammonium hydroxide (CAS STEL 27 mg/m3 18 mg/m3 1336-21-6) TWA 18 mg/m3 18 mg/m3 Ethylbenzene (CAS STEL 545 mg/m3 19 mg/m3 <td></td> <td></td> <td></td> <td>Total dust.</td>				Total dust.
Components Type Value Form Ammonium hydroxide (CAS 1336-21-6) TWA 25 ppm Ethylbenzene (CAS 17WA 20 ppm 100-41-4) 20 ppm 100-41-4 Kaolin (with b = 0.1% crystalline silica) (CAS 1332-58-7) TWA 0.025 mg/m3 Respirable fraction. crystalline silica) (CAS 14808-60-7) TWA 0.025 mg/m3 Respirable fraction. crystalline silica) (CAS 14808-60-7) TWA 0.025 mg/m3 Respirable fraction. crystalline silica) (CAS 14808-60-7) TWA 100 ppm Respirable fraction. crystalline silica) (CAS 14808-60-7) TWA 100 ppm Respirable fraction. crystalline silica) (CAS 14808-60-7) TWA 100 ppm Pormonents Proceed to the micro ppm in the m			50 mppcf	Total dust.
Components Type Value Form Ammonium hydroxide (CAS 136-21-6) STEL 35 ppm 35 ppm 1336-21-6) TWA 25 ppm 25 ppm Ethylbenzene (CAS TWA 20 ppm 100-41-4) 20 ppm 20 ppm Kaolin (with >= 0.1% color 1% col			15 mppcf	Respirable fraction.
Ammonium hydroxide (CAS STEL 35 ppm 1336-21-6)	US. ACGIH Threshold Limit Value	5		
1336-21-6) TWA 25 ppm Ethylbenzene (CAS TWA 20 ppm 100-41-4) Kaolin (with >= 0.1% TWA 2 mg/m3 Respirable fraction. TWA 2 mg/m3 Respirable fraction. TWA 0.025 mg/m3 Respirable fraction. TWA 0.025 mg/m3 Respirable fraction. TWA 100 ppm 8052-41-3) Titanium dioxide (CAS TWA 100 ppm 8052-41-3) TITANIUM dioxide (CAS TWA 100 mg/m3 TWA 18 mg/m3 25 ppm Ethylbenzene (CAS STEL 27 mg/m3 TWA 18 mg/m3 25 ppm Ethylbenzene (CAS STEL 545 mg/m3 TWA 435 mg/m3 100-41-4) TWA 435 mg/m3 TWA 435 mg/m3 TWA 5 mg/m3 Respirable. TWA 5 mg/m3 Respirable. TWA 400 mg/m3 Total Naphtha (petroleum). TWA 0.05 mg/m3 Respirable dust. TWA 0.05 mg/m3 Respirable dust. TWA 0.05 mg/m3 Respirable dust.	Components	Туре	Value	Form
Ethylbenzene (CAS TWA 25 ppm 100-41-4) TWA 20 ppm Kaolin (with >= 0.1% TWA 2 mg/m3 Respirable fraction. crystalline silica) (CAS TWA 0.025 mg/m3 Respirable fraction. Stoddard solvent (CAS TWA 100 ppm 8052-41-3) Stoddard solvent (CAS TWA 10 mg/m3 35 ppm Stoddard solvent (CAS TWA 10 mg/m3 43 ppm Value Form Form Components Type Value Form Ammonium hydroxide (CAS STEL 27 mg/m3 1336-21-6) 35 ppm 18 mg/m3 1336-21-6) 18 mg/m3 25 ppm Ethylbenzene (CAS STEL 545 mg/m3 100-41-4) 125 ppm Ethylbenzene (CAS TWA 100 ppm Kaolin (with >= 0.1% TWA 5 mg/m3 Respirable. Krystalline silica) (CAS TWA 5 mg/m3 Total Naphtha (petroleum), hydrotreated heavy (CAS TWA 400 mg/m3 Nota		STEL	35 ppm	
Ethylbenzene (CAS 100-41-4) TWA 20 ppm 100-41-4) TWA 2 mg/m3 Respirable fraction. Kaolin (with >= 0.1% crystalline silica) (CAS 1332-58-7) TWA 0.025 mg/m3 Respirable fraction. Stoddard solvent (CAS 14808-60-7) TWA 100 ppm Respirable fraction. Stoddard solvent (CAS 3052-41-3) TWA 10 mg/m3 Form Titanium dioxide (CAS 14808-60-7) TWA 10 mg/m3 Form S. NIOSH: Pocket Guide to Chemical Hazards Components Type Value Form Components TWA 35 ppm TWA 18 mg/m3 25 ppm 1336-21-6) TWA 125 ppm Ethylbenzene (CAS 100-41-4) TWA 125 ppm Ethylbenzene (CAS 100 ppm TWA 5 mg/m3 Respirable. Kaolin (with >= 0.1% crystalline silica) (CAS 14808-60-7) TWA 100 mg/m3 Total Naphtha (petroleum), hydrotreated heavy (CAS 64742-48-9) TWA 100 ppm 100 ppm Quart (CAS 14808-60-7) TWA 0.05 mg		TWA	25 ppm	
Kaolin (with >= 0.1% crystalline silica (ICAS 14808-60-7) TWA 2 mg/m3 (Paspirable fraction. Respirable fraction. Crystalline silica (ICAS 1332-58-7) TWA 0.025 mg/m3 (Paspirable fraction.) Respirable fraction. Stoddard solvent (CAS 14808-60-7) TWA (Paspirable fraction.) 100 ppm Respirable fraction. Stoddard solvent (CAS 14808-60-7) TWA (Paspirable fraction.) 100 ppm Respirable fraction. Stoddard solvent (CAS 14808-60-7) TWA (Paspirable fraction.) Paspirable fraction. Paspirable fraction. Stoddard solvent (CAS 14808-60-7) TWA (Paspirable fraction.) Paspirable fraction. Paspirable fraction. TWA (Paspirable fraction.) TWA (Paspirable fraction.) Paspirable fraction. Paspirable fraction. Stoddard solvent (CAS 14808-60-7) TWA (Paspirable fraction.) Paspirable fraction. Paspirable fraction. TWA (Paspirable fraction.) TWA (Paspirable fraction.) Paspirable fraction. Paspirable fraction. TWA (Paspirable fraction.) TWA (Paspirable fraction.) Paspirable fraction. Paspirable fraction. TWA (Paspirable fraction.) TWA (Paspirable fraction.) Paspirable fraction. Paspirable fraction.		TWA		
Quartz (CÁS 14808-60-7) TWA 0.025 mg/m3 100 ppm Respirable fraction. 8052-41-3) 100 ppm 100 ppm Titanium dioxide (CAS 13463-67-7) TWA 10 mg/m3 US. NIOSH: Pocket Guide to Chemical Hazards Components Type Value Form Ammonium hydroxide (CAS 1336-21-6) STEL 27 mg/m3 1336-21-6) 35 ppm 18 mg/m3 25 ppm Ethylbenzene (CAS 1480 mg/m3 100-41-4) 545 mg/m3 100 ppm Ethylbenzene (CAS 14808-60-7) TWA 15 mg/m3 100 ppm Respirable. Kaolin (with >= 0.1% crystalline silica) (CAS 14808-60-7) TWA 400 mg/m3 100 ppm Respirable dust. Naphtha (petroleum), hydrotreated heavy (CAS 64742-48-9) TWA 100 ppm Respirable dust. Quartz (CAS 14808-60-7) TWA 0.05 mg/m3 Respirable dust. 8toddard solvent (CAS 652-41-3) Ceiling 1800 mg/m3 Respirable dust.	Kaolin (with >= 0.1% crystalline silica) (CAS	TWA	2 mg/m3	Respirable fraction.
Stoddard solvent (CAS TWA 100 ppm 8052-41-3) 100 mg/m3		TWA	0.025 mg/m3	Respirable fraction.
Titanium dioxide (CAS 13463-67-7) TWA 10 mg/m3 Components Type Value Form Ammonium hydroxide (CAS 1336-21-6) STEL 27 mg/m3 TWA 18 mg/m3 25 ppm Ethylbenzene (CAS 100-41-4) STEL 545 mg/m3 100-41-4) 125 ppm Kaolin (with >= 0.1% crystalline silica) (CAS 1332-58-7) TWA 5 mg/m3 7 mg/m3 Respirable. Naphtha (petroleum), hydrotreated heavy (CAS 64742-48-9) TWA 100 ppm 400 mg/m3 7 mg/m3 Respirable dust. Quartz (CAS 14808-60-7) TWA 0.05 mg/m3 Respirable dust. Stoddard solvent (CAS 652-41-3) Ceiling 1800 mg/m3	Stoddard solvent (CAS	TWA		
Components Type Value Form Ammonium hydroxide (CAS 14808-60-7) STEL 27 mg/m3 1336-21-6) 35 ppm 35 ppm 18 mg/m3 25 ppm Ethylbenzene (CAS 1336-21-6) STEL 545 mg/m3 100-41-4) 125 ppm TWA 435 mg/m3 100 ppm Respirable. Kaolin (with >= 0.1% crystalline silica) (CAS 1332-58-7) TWA 5 mg/m3 Respirable. Naphtha (petroleum), hydrotreated heavy (CAS 64742-48-9) TWA 400 mg/m3 Total Quartz (CAS 14808-60-7) TWA 0.05 mg/m3 Respirable dust. Stoddard solvent (CAS 6052-41-3) Ceiling 1800 mg/m3	Titanium dioxide (CAS	TWA	10 mg/m3	
Ammonium hydroxide (CAS 1336-21-6) STEL 27 mg/m3 35 ppm TWA 18 mg/m3 25 ppm Ethylbenzene (CAS 100-41-4) TWA 435 mg/m3 100 ppm Kaolin (with >= 0.1% TWA 5 mg/m3 100 ppm Kaolin (Salica) (CAS 1332-58-7) TWA 400 mg/m3 Naphtha (petroleum), hydrotreated heavy (CAS 64742-48-9) Quartz (CAS 14808-60-7) Quartz (CAS 14808-60-7) TWA 0.05 mg/m3 Respirable dust. TWA 1800 mg/m3 Respirable dust. TWA 1800 mg/m3 Respirable dust.	US. NIOSH: Pocket Guide to Chem	nical Hazards		
1336-21-6) TWA TWA 18 mg/m3 25 ppm Ethylbenzene (CAS 100-41-4) TWA 125 ppm 125 ppm 125 ppm 125 ppm TWA 435 mg/m3 100 ppm Kaolin (with >= 0.1% crystalline silica) (CAS 1332-58-7) TWA Naphtha (petroleum), hydrotreated heavy (CAS 64742-48-9) Quartz (CAS 14808-60-7) Quartz (CAS 14808-60-7) TWA TWA TWA 100 ppm 100	Components	Type	Value	Form
Ethylbenzene (CAS 18 mg/m3 25 ppm Ethylbenzene (CAS 100-41-4) Ethylbenzene (CAS 100-41-4) TWA 125 ppm 125 ppm 125 ppm 125 ppm 100 p		STEL	· ·	
Ethylbenzene (CAS 100-41-4) Ethylbenzene (CAS 100-41-4) TWA TWA TWA Expirable. TWA TWA TWA TWA TWA TWA TWA TW		TWA	18 mg/m3	
TWA 125 ppm 435 mg/m3 100 ppm		STEL		
Kaolin (with >= 0.1% crystalline silica) (CAS 1332-58-7) TWA 5 mg/m3 Respirable. Naphtha (petroleum), hydrotreated heavy (CAS 64742-48-9) TWA 400 mg/m3 Total Quartz (CAS 14808-60-7) TWA 100 ppm Respirable dust. Stoddard solvent (CAS 8052-41-3) Ceiling 1800 mg/m3 Respirable dust.	,	TWA	435 mg/m3	
Naphtha (petroleum), hydrotreated heavy (CAS TWA 400 mg/m3 64742-48-9) 100 ppm Quartz (CAS 14808-60-7) TWA 0.05 mg/m3 Respirable dust. Stoddard solvent (CAS Ceiling 1800 mg/m3 8052-41-3) 1800 mg/m3	crystalline silica) (CAS	TWA		Respirable.
Quartz (CAS 14808-60-7)TWA0.05 mg/m3Respirable dust.Stoddard solvent (CASCeiling1800 mg/m38052-41-3)1800 mg/m3	Naphtha (petroleum), hydrotreated heavy (CAS	TWA		Total
Stoddard solvent (CAS Ceiling 1800 mg/m3 8052-41-3)				
8052-41-3)			_	Respirable dust.
		Ceiling	1800 mg/m3	
		TWA	350 mg/m3	

Biological limit values

ACGIH Biological Exposure Indices

Components	Value	Determinant	Specimen	Sampling Time
Ethylbenzene (CAS 100-41-4)	0.15 g/g	Sum of mandelic acid and phenylglyoxylic acid	Creatinine in urine	*

^{* -} For sampling details, please see the source document.

Appropriate engineering

controls

Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Provide eyewash station. Eye wash fountain and emergency showers are recommended.

Individual protection measures, such as personal protective equipment

Eye/face protection Chemical respirator with organic vapor cartridge and full facepiece.

Skin protection

Hand protection Wear appropriate chemical resistant gloves. Suitable gloves can be recommended by the glove

supplier.

Skin protection

Other Wear appropriate chemical resistant clothing. Use of an impervious apron is recommended.

Respiratory protection Chemical respirator with organic vapor cartridge and full facepiece.

Thermal hazards Wear appropriate thermal protective clothing, when necessary.

General hygiene considerations

When using do not 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.

ciotining and protective equipment to remove t

9. Physical and chemical properties

Appearance

Physical state Liquid.
Form Liquid.

Color Off-white to tan.

Odor Faint mineral spirits.

Odor threshold Not available.

pH Not available.

Melting point/freezing point Not available.

Initial boiling point and boiling Not available.

range

Flash point Not available.

Evaporation rate Not available.

Flammability (solid, gas) Not applicable.

Upper/lower flammability or explosive limits

Flammability limit - lower

Not available.

(%)

Flammability limit - upper

(%)

Not available.

Vapor pressure
Not available.
Vapor density
Not available.
Relative density
1.026 (H2O = 1)

Solubility(ies)

Solubility (water) Not available.

Partition coefficient Not available.

(n-octanol/water)

Auto-ignition temperature Not available.

Decomposition temperature Not available. **Viscosity** Not available.

Other information

Explosive properties Not explosive. **Oxidizing properties** Not oxidizing.

VOC 4.69 lb/gal (less water and exempt solvents)

10. Stability and reactivity

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

Chemical stability Material is stable under normal conditions.

Possibility of hazardous

reactions

No dangerous reaction known under conditions of normal use.

Conditions to avoid Avoid heat, sparks, open flames and other ignition sources. Contact with incompatible materials.

Incompatible materials Strong oxidizing agents.

Hazardous decomposition

products

No hazardous decomposition products are known.

11. Toxicological information

Information on likely routes of exposure

Inhalation May cause damage to organs through prolonged or repeated exposure by inhalation.

Skin contact Causes skin irritation.

Eye contact Causes serious eye irritation.

Ingestion May cause discomfort if swallowed. Droplets of the product aspirated into the lungs through

ingestion or vomiting may cause a serious chemical pneumonia.

Symptoms related to the physical, chemical and toxicological characteristics

Narcosis. Behavioral changes. Decrease in motor functions. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May cause redness

and pain.

Information on toxicological effects

Acute toxicity

Components	Species Test Results				
Ammonium hydroxide (CAS	Ammonium hydroxide (CAS 1336-21-6)				
<u>Acute</u>					
Oral					
LD50	Rat	350 mg/kg			
Ethylbenzene (CAS 100-41	-4)				
<u>Acute</u>					
Dermal					
LD50	Rabbit	15400 mg/kg			
Inhalation					
LC50	Rat	17.4 mg/m³, 4 Hours			
Oral					
LD50	Rat	35000 - 47000 mg/kg			
Kaolin (with >= 0.1% crysta	Kaolin (with >= 0.1% crystalline silica) (CAS 1332-58-7)				
<u>Acute</u>					
Dermal					
LD50	Rat	> 5000 mg/kg			
Inhalation					
LC50	Rat	> 2 mg/l, 4 Hours			
Oral					
LD50	Rat	> 5000 mg/kg			

Components Species Test Results

Naphtha (petroleum), hydrotreated heavy (CAS 64742-48-9)

Acute Dermal

LD50 Rabbit > 3160 mg/kg

Titanium dioxide (CAS 13463-67-7)

Acute Inhalation

LC50 Rat 3.43 mg/l, 4 Hours

Oral

LD50 Rat > 5000 mg/kg

Skin corrosion/irritation Causes skin irritation.

Serious eye damage/eye

Causes serious eye irritation.

irritation

Respiratory or skin sensitization

Respiratory sensitization Not a respiratory sensitizer.

Skin sensitization This product is not expected to cause skin sensitization.

Germ cell mutagenicityNo data available to indicate product or any components present at greater than 0.1% are

mutagenic or genotoxic.

Carcinogenicity Due to the form of the product, exposure to the potentially carcinogenic components is not

expected.

IARC Monographs. Overall Evaluation of Carcinogenicity

Ethylbenzene (CAS 100-41-4) 2B Possibly carcinogenic to humans.

Quartz (CAS 14808-60-7) 1 Carcinogenic to humans.

Stoddard solvent (CAS 8052-41-3)

3 Not classifiable as to carcinogenicity to humans.

Titanium dioxide (CAS 13463-67-7) 2B Possibly carcinogenic to humans.

NTP Report on Carcinogens

Quartz (CAS 14808-60-7) Known To Be Human Carcinogen.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Quartz (CAS 14808-60-7) Cancer

Reproductive toxicityThis product is not expected to cause reproductive or developmental effects.

Specific target organ toxicity -

single exposure

Not classified.

Specific target organ toxicity -

repeated exposure

Causes damage to organs (Central Nervous System) through prolonged or repeated exposure.

Aspiration hazard If aspirated into lungs during swallowing or vomiting, may cause chemical pneumonia, pulmonary

injury or death.

Chronic effectsCauses damage to organs through prolonged or repeated exposure. Prolonged inhalation may be

harmful. Prolonged exposure may cause chronic effects.

12. Ecological information

Ecotoxicity Harmful to aquatic life with long lasting effects.

Components		Species	Test Results
Ammonium hydroxide	(CAS 1336-21-6)		
Aquatic			
Crustacea	LC50	Daphnia magna	0.66 mg/l, 48 hours
Ethylbenzene (CAS 10	00-41-4)		
Aquatic			
Acute			
Crustacea	EC50	Water flea (Daphnia magna)	1.81 - 2.38 mg/l, 48 hours
Fish	LC50	Rainbow trout,donaldson trout (Oncorhynchus mykiss)	4.2 mg/l, 96 hours
Chronic			
Crustacea	EC50	Ceriodaphnia dubia	3.6 mg/l, 7 days

Goodrich SILVERboot™ Polish SDS US

936705 Version #: 01 Revision date: - Issue date: 21-February-2017

Test Results Components **Species**

Kaolin (with >= 0.1% crystalline silica) (CAS 1332-58-7)

Aquatic Acute

Crustacea LC50 Daphnia magna > 1.1 g/l, 48 Hours

Naphtha (petroleum), hydrotreated heavy (CAS 64742-48-9)

Aquatic Acute

Fish LC50 Pimephales promelas 8.2 mg/l, 96 hours

Persistence and degradability

No data available.

Bioaccumulative potential

Partition coefficient n-octanol / water (log Kow)

3.15 Ethylbenzene (CAS 100-41-4) Lauric acid (CAS 143-07-7) 4.2 3.16 - 7.15Stoddard solvent (CAS 8052-41-3)

Mobility in soil No data available.

Other adverse effects No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation

potential, endocrine disruption, global warming potential) are expected from this component.

13. Disposal considerations

Disposal instructions Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Do not allow

this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches

with chemical or used container. Dispose of contents/container in accordance with

local/regional/national/international regulations.

Dispose in accordance with all applicable regulations. Local disposal regulations

The waste code should be assigned in discussion between the user, the producer and the waste Hazardous waste code

disposal company.

Waste from residues / unused

products

Dispose of in accordance with local regulations. Empty containers or liners may retain some

product residues. This material and its container must be disposed of in a safe manner (see:

Disposal instructions).

Since emptied containers may retain product residue, follow label warnings even after container is Contaminated packaging

emptied. Empty containers should be taken to an approved waste handling site for recycling or

disposal.

14. Transport information

DOT

UN number NA1993

UN proper shipping name Transport hazard class(es) Combustible liquid, n.o.s. (Naphtha (petroleum), hydrotreated heavy)

Class Combustible liq

Subsidiary risk

Label(s) None Packing group Ш

Special precautions for user Read safety instructions, SDS and emergency procedures before handling.

Special provisions IB3, T1, T4, TP1

Packaging exceptions 150 Packaging non bulk 203 241 Packaging bulk

IATA

Not regulated as dangerous goods.

IMDG

Not regulated as dangerous goods.

Transport in bulk according to

Annex II of MARPOL 73/78 and

the IBC Code

Not established.

15. Regulatory information

US federal regulations This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200. All the components are listed on or are exempt from the inventary.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Quartz (CAS 14808-60-7) Cancer lung effects

immune system effects

kidney effects

CERCLA Hazardous Substance List (40 CFR 302.4)

Ammonium hydroxide (CAS 1336-21-6) LISTED Ethylbenzene (CAS 100-41-4) LISTED

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories Immediate Hazard - Yes

> Delayed Hazard - Yes Fire Hazard - Yes Pressure Hazard - No Reactivity Hazard - No

SARA 302 Extremely hazardous substance

Not listed.

SARA 311/312 Hazardous Yes

chemical

SARA 313 (TRI reporting)

Chemical name CAS number % by wt. 100-41-4 Ethylbenzene < 0.1

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Ethylbenzene (CAS 100-41-4)

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

Safe Drinking Water Act

Not regulated.

(SDWA)

US state regulations WARNING: This product contains a chemical known to the State of California to cause cancer.

US - California Proposition 65 - Carcinogens & Reproductive Toxicity (CRT): Listed substance

Cumene (CAS 98-82-8)

Ethylbenzene (CAS 100-41-4) Naphthalene (CAS 91-20-3)

Quartz (CAS 14808-60-7)

Titanium dioxide (CAS 13463-67-7)

Toluene (CAS 108-88-3)

US. Massachusetts RTK - Substance List

Ammonium hydroxide (CAS 1336-21-6)

Ethylbenzene (CAS 100-41-4)

Kaolin (with >= 0.1% crystalline silica) (CAS 1332-58-7) Naphtha (petroleum), hydrotreated heavy (CAS 64742-48-9)

Quartz (CAS 14808-60-7)

Stoddard solvent (CAS 8052-41-3)

Titanium dioxide (CAS 13463-67-7)

US. New Jersey Worker and Community Right-to-Know Act

Ammonium hydroxide (CAS 1336-21-6)

Ethylbenzene (CAS 100-41-4)

Kaolin (with >= 0.1% crystalline silica) (CAS 1332-58-7) Naphtha (petroleum), hydrotreated heavy (CAS 64742-48-9)

Quartz (CAS 14808-60-7)

Stoddard solvent (CAS 8052-41-3)

Titanium dioxide (CAS 13463-67-7)

US. Pennsylvania Worker and Community Right-to-Know Law

Ammonium hydroxide (CAS 1336-21-6)

Ethylbenzene (CAS 100-41-4)

Kaolin (with >= 0.1% crystalline silica) (CAS 1332-58-7)

Quartz (CAS 14808-60-7)

Stoddard solvent (CAS 8052-41-3)

Goodrich SILVERboot™ Polish SDS US 936705 Version #: 01 Revision date: -Issue date: 21-February-2017

9 / 10

Titanium dioxide (CAS 13463-67-7)

US. Rhode Island RTK

Ethylbenzene (CAS 100-41-4)

Kaolin (with >= 0.1% crystalline silica) (CAS 1332-58-7) Naphtha (petroleum), hydrotreated heavy (CAS 64742-48-9)

Quartz (CAS 14808-60-7)

Stoddard solvent (CAS 8052-41-3)

Titanium dioxide (CAS 13463-67-7)

16. Other information, including date of preparation or last revision

Issue date 21-February-2017

Revision date - 01

HMIS® ratings Health: 2*

Flammability: 2 Physical hazard: 0

NFPA ratings



Disclaimer

Goodrich Corporation cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. The information in the sheet was written based on the best knowledge and experience currently available.