

1. Product and Supplier Information

Product Name: RockSolid Floors Industrial Rinse N bright
 Product Number: NA
 Product purpose: To help clean and brighten wooden decks. Chemical Family or Formula: Organic acid blend
 Supplier: RockSolid Floors
 2271 2nd St N
 North St. Paul, MN 55109
 Phone: 866-765-4310
 Fax: 866-765-4310
 MSDS Number: RSF RNB
 Publication Date: August 28, 2013
 Product Information: 866-765-4310
 Transportation Emergency: 800-888-1105

2. Composition and Information on Ingredients

CAS #	SARA 313		Material or Component	%	RQ#	Exposure Limits	
	On?	Dm				TWA*	STEL*
77-92-9	No	NA	Citric acid	<5	None	NE	NE
526-95-4	No	NA	Gluconic acid	<3	None	NE	NE
6419-19-8	No	NA	Nitrilo trimethylene tris(phosphoric acid)	<1	None	NE	NE
39464-70-5	No	NA	Polyoxyethylene phenyl ether phosphate (acid)	1	None	NE	NE

Also contains ingredients for which no exposure limits exist but which may affect skin and eye irritation. No component is listed in "Threshold and Biological Exposure Indices for 2013" from ACGIH except as noted above. Components listed in Title III Sec. 313 (EPCRA) are indicated by "Yes" above.

*TWA= Time Weighted Average; STEL= Short term Exposure Limit.

NE= Not Established "On?"= Is component on SARA 313 list"; "Dm"= De minimus % for reporting purposes.

Note: The purpose of this MSDS is to provide safe handling, shipping and disposal information for users of the product. It is not intended to, nor does it, provide complete or extensive toxicological data on the product or its components. Users who require this information are referred to primary suppliers of the ingredients of interest.

3. Hazards Identification

OSHA Hazard Classification: Eye irritant, skin irritant, respiratory irritant.
Corrosive.

Routes of Entry: Inhalation, skin, eyes, ingestion

Chemical Interactions: Corrodes metals forming explosive hydrogen gas in the process.
Is neutralized by alkalis.

Medical Conditions Aggravated:
None found.

Human Threshold Response Data

Odor Threshold: Not established

Irritation Threshold: Not established

Hazard Category Classifications and Ratings

Hazard Categories:	Health	Fire	Pressure	Reactivity	Reference 49 CFR 171.8,
Immediate	Yes	No	No	No	OSHA 29 CFR 1910.1200 and SARA 302/311/312/313.
Delayed	Yes	No	No	No	
HMIS Hazard Ratings: Health 2 Fire 0 Instability 0 Other F (Glasses, gloves, apron, respirator)					
NFPA 704 Hazard Ratings: Health 2 Flammability 0 Reactivity 0 Special Cor					
Hazard Ratings: Least: 0 Slight: 1 Moderate: 2 High: 3 Extreme: 4					

Notice: HMIS and NFPA ratings involve the subjective evaluation of the hazardous aspects of individual components, and can differ between preparers. They are intended and useful only as a rapid, general identification of the approximate magnitude of the specific hazards rated.

Immediate (Acute) Health Effects

Inhalation Toxicity:

Harmful by inhalation.

Inhalation Irritation:

Neat product is severely irritating to the nose, throat, and lungs.

Skin Contact:

Skin contact may cause severe irritation consisting of redness and/or swelling.

Skin Absorption:

No significant adverse effects to health would be expected to occur from dermal contact.

Eye Contact

Contact may cause severe irritation consisting of redness, swelling, and mucous membrane discharge to the conjunctiva. If not treated immediately, visual impairment or blindness can be expected.

Ingestion Irritation:

Ingestion may cause irritation of the gastrointestinal tract and gastrointestinal discomfort with any or all of the following symptoms: headache, breathing difficulty, nausea.

Ingestion Toxicity:

Moderate to severe irritation if taken internally.

Acute Target Organ Toxicity:

Eyes, skin, mucous membranes, respiratory tract

Prolonged (Chronic) Health Effects**Carcinogenicity:**

No ingredient is known or reported to be carcinogenic by any reference source including IARC, OSHA, NTP or EPA.

Reproductive and Developmental Toxicity:

None known.

Sensitization:

Not known to occur.

Inhalation:

Prolonged or repeated exposure may cause more severe irritation.

Skin Contact:

Acute irritation worsens.

Skin Absorption:

There are no known or reported effects from chronic exposure except for effects similar to those experienced from acute exposure.

Ingestion:

Not a likely source of chronic exposure.

Chronic Target Organ Toxicity:

Skin, respiratory tract.

Supplemental Health Hazard Information:

See Sec. 11.

4. First Aid

Inhalation: Provide artificial respiration as required.

IF INHALED: Remove individual to fresh air. Seek medical attention if breathing becomes difficult.

Skin Contact:

IF ON SKIN: Flush skin with water for 15 minutes. Call a physician if irritation develops.

Eyes:

IF IN EYES: Immediately flush eyes with plenty of water for at least 15 minutes while holding eyelids apart. Call a physician immediately.

Ingestion:

IF SWALLOWED: Immediately drink water to dilute. Consult a physician immediately. Never give anything by mouth to an unconscious person.

5. Fire Fighting Measures

Flammability Summary (OSHA):

Product is not known to be flammable, combustible, pyrophoric or explosive.

Flammable Properties

Flash Point None

Autoignition Temperature: Not applicable

Upper Flammable/Explosive Limit, % in air: Not applicable

Lower Flammable/Explosive Limit, % in air: Not applicable

Fire/Explosion Hazards: Material will not ignite or burn.

Extinguishing Media:

Not Applicable. Choose extinguishing media suitable for surrounding materials.

Fire Fighting Instructions:

In case of fire, use normal fire fighting equipment including a NIOSH approved self-contained breathing apparatus (SCBA). Use water to cool containers.

Hazardous Combustion Products:

Acidic vapors may be formed under extreme circumstances.C246

6. Accidental Release Measures

General

Vapors formed add to the personal and corrosive hazard. Stay up wind. Evacuate personnel down wind.

Personal Protection for Emergency Situations:

Additional protective clothing must be worn to prevent personal contact with this material. Those items include but are not limited to boots, impervious gloves, hard hat, splash-proof goggles, impervious clothing, i.e., chemically impermeable suit, self-contained breathing apparatus.

Spill Mitigation Procedures

Air Release:

Vapors formed add to the personal and corrosive hazard. Stay up wind. Evacuate personnel down wind.

Water Release:

This material is soluble in water. Contain all liquid for treatment and/or disposal as a (potential) hazardous waste. Notify all downstream users of possible contamination.

Land Release:

Create a dike or trench to contain materials. Absorb spill with inert material (e.g., dry sand, clay, earth or commercial absorbent), then place in a chemical waste container. Decontaminate all clothing and the spill area using a detergent and flush with large amounts of water. Contain all contaminated water for disposal and/or treatment.

Additional Spill Information:

Stop source of spill as soon as possible and notify appropriate personnel. Utilize emergency response personal protection equipment prior to the start of any response.

Dispose of spill residues per guidelines under Section 13, Disposal Considerations.

7. Handling and Storage

Handling:

Do not take internally. Avoid contact with skin, eyes and clothing. Upon contact with skin or eyes, wash with water. Avoid breathing vapor or mist.

Storage

Store in a cool, dry and well ventilated place. Isolate from incompatible materials: alkalis, amines, metals.

Shelf Life Limitations:

See label or certificate of analysis for shelf life if applicable.

Incompatible Materials for Storage:

Refer to Section 10, "Incompatible Materials."

8. Exposure Controls and Personal Protection

Ventilation:

May be required. Operation in a fume hood designed for hazardous chemicals, and having an average face velocity of 100 ft/min is recommended.

Protective Equipment for Routine Use of Product

Respiratory Protection:

Respiratory protection may normally be needed since volatility and corrosivity are high. If vapors, mists or aerosols are generated, wear a NIOSH approved respirator.

Respirator Type(s):

A NIOSH approved full-face air purifying respirator with acid gas cartridge and dust/mist filter. Air purifying respirators should not be used in oxygen deficient or IDLH atmospheres or if exposure concentrations exceed ten (10) times the published limit.

Skin: Wear impervious gloves to avoid skin contact. Follow good industrial hygiene practices.

Eyes: Use chemical goggles.

Protective Clothing Type: Impervious

Exposure Limit Data : See Section 2

Chemical Name NIOSH Level Immediately Dangerous to Life or Health:
Not found.

9. Physical Data

Physical State:	Liquid	Vapor Density (Air = 1):	Not determined
Color:	Colorless to light yellow.	Vapor Pressure (@ 25 Deg. C):	Not determined
Odor:	Characteristic, acidic	Evaporation Rate Water = 1):	Not determined
Molecular Weight:	Not Applicable for a solution.	Volatiles % : 100%.	
pH (@ 25 Deg. C):	Approx. 1.0	Boiling Point: 100 Deg. C.	Not determined
Octanol/Water Coeff:	NA	Freezing Point:	No Data
Solubility in Water:	Completely miscible		
Bulk Density:	Not applicable		
Specific Gravity:	Approx. 1.04		

10. Stability and Reactivity

Stability and Reactivity Summary:

Stable under normal conditions.

Reactive Properties:

Sensitivity to mechanical shock:	None
Hazardous Polymerization:	Can not occur
Conditions to Avoid:	High temperatures
Chemical Incompatibility:	Alkali metals, bases, metal powders, sulfides, amines.
Hazardous Decomposition Product	May give off acid vapors when heated.
Decomposition Temperature:	No data
Product May Be Unstable At Temperatures Above:	No data

11. Toxicological Information

Component Animal Toxicology	Product	77-92-9	526-95-4	6419-19-8	39464-70-5
Oral LDLo value mg/kg (rat):	No data.	3 gm/kg	>2000	2910	No data
Dermal LD50 value (rabbit):	No data.	No data	No data	>6310	No data
Inhalation LC50 value:	No data.	No data	No data	No data	No data
IHL-HMN LCLo:	No data.	No data	No data	No data	No data

12. Ecological Information

Ecological Toxicity Values:

No data. Do not allow material to be released to the environment without proper government permits.

13. Disposal Considerations

CARE MUST BE TAKEN TO PREVENT ENVIRONMENTAL CONTAMINATION FROM THE USE OF THIS MATERIAL. THE USER OF THIS MATERIAL HAS THE RESPONSIBILITY TO DISPOSE OF UNUSED MATERIAL, RESIDUES AND CONTAINERS IN COMPLIANCE WITH ALL RELEVANT LOCAL, STATE AND FEDERAL LAWS.

Waste Disposal Summary:

Dispose in accordance with all local, state and federal regulations.

Potential US Waste Codes:

Product as made has the characteristic of corrosivity, like " Unlisted Hazardous Waste D002", RQ 100#.

Disposal Methods:

Absorb on inert material (sand, vermiculite, etc.) and dispose according to all local, state and federal regulations.

Neutralization with caustic will minimize acid hazard.

Components subject to land ban restrictions:

No components subject to land ban restrictions.

14. Transportation Information

UN/NA Number, Proper Shipping Name, Hazard Class, Packing Group, Emergency Response Guide Number	
UN 3265, Corrosive liquid, acidic, organic, n.o.s., 8, PG III,(Citric acid, gluconic acid)	
ERG 153	
Labels required per 49 CFR 172.101:	Corrosive
Size for "Limited quantity" per 49 CFR 173.150-.155	1.3 gal. net max. in 66# max. strong outer packagings
Reportable Quantity ("RQ") per 49 CFR172.101:	None
Passenger aircraft/ rail:	5L
Cargo aircraft only:	60L
Vessel stowage:	A, 40

15. Regulatory Information

UNITED STATES:

TOSCA: Toxic Substances Control Act: Listed

SARA: Superfund Amendments and Reauthorization Act, Title III, Sec. 313: Listed

Hazard Categories Sections 311/312 (40 CFR 370.2):

Health: Acute Harmful by inhalation, in contact with skin and if swallowed.

Chronic: None

Emergency Planning & Community Right to Know (40 CFR 355, App. A):

Sec. 302: Extremely Hazardous Substance - Threshold Planning Quantity (TPQ): NA

Sec. 304: EHS RQ: NA

CERCLA (40 CFR 355, App. A) Reportable Quantity: NA

RCRA Waste (P and U Lists): NA

OSHA 40 CFR 1910.1000:

Table Z-1: Not listed

Table Z-1-A: Not listed

State Right-to-Know Regulations Status of Ingredients

California Prop. 65: Not listed

Pennsylvania: No data

New Jersey: No data

Massachusetts: No data

16. Additional Information

This information is offered to employers and users only as a supplement to other information available to them. It is furnished without warranty, and any use of the product alone or in combination with other products or processes is the sole responsibility of the user.