

SAFETY DATA SHEET

1. Identification of the Substance/Mixture and of the Company/ Undertaking

Product Name: SOLAR
Product Code: BRSOLAR12,BRSOL04
Company Name: Randall Industries, LLC
4565 Hemlock Road
Cherry Tree, PA 15724
Phone: 814-743-6630
Emergency 24 hour: 1-800-535-5053
Proper Shipping Name: Not Regulated
Identification No: Not Applicable
Hazard Class: Not Applicable
Generic Description: Bowl Cleaner

2. Hazards Identification

GHS US Classification
Serious Eye Damage/Eye Irritation: Category 2B Causes serious eye irritation
Skin Corrosion/Irritation: Category 2 Causes skin irritation

Label elements

Symbols



Signal Word : Warning

Hazard Statement:
H302 Harmful if swallowed
H 315 Causes skin irritation
H 319 Causes serious eye irritation

Precautionary Statements: Wash hands thoroughly after handling.
Wear protective clothing/eye protection.
Do not handle until all safety precautions have been read and understood.
Do not eat, drink, or smoke when using this product.
Call a doctor if you feel unwell.

Store out of reach of children.
Dispose of contents in accordance with local regulations

3 Composition / Information on Ingredients

INGREDIENTS	CAS #	PEL	TLV	STEL	%
Water	7732-18-5	NE	NE	NE	75-90
Phosphoric Acid	7664-38-2	NE	1 mg/m ³	3 ppm	5-15
Oxalic Acid	144-62-7	1ppm	1 ppm		2-8
Proprietary surfactant blend	N/A	NE	NE	NE	1-5

4 First Aid Measures

First Aid Procedures:

Eye contact:	Hold eyelids apart and immediately flush eyes with plenty of water for at least 15 minutes. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Call a physician if irritation persists.
Skin contact:	For skin contact flush with large amounts of water. Call a physician if irritation persists.
Inhalation:	Immediately remove from further exposure. Give supplemental oxygen, if breathing is difficult. If breathing has stopped, assist ventilation with a mechanical device or use mouth-to-mouth resuscitation.
Ingestion:	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. If swallowed, do NOT induce vomiting. Give a glass of water. Never give anything by mouth to an unconscious person.

Note to physician: If the product is ingested, treat the affected person symptomatically.

5 Firefighting Measures

FLASH POINT: None	LOWER EXPLOSIVE LIMIT: ND	UPPER EXPLOSIVE LIMIT: ND
EXTINGUISHING MEDIA:	Water fog. Foam. Dry chemical powder. Carbon dioxide (CO ₂). Appropriate for surrounding fire.	
UNUSUAL FIRE & EXPLOSION HAZARDS:	None	
SPECIAL FIRE FIGHTING PROCEDURES:	As in any fire, wear pressure-demand self-contained breathing apparatus,	
MSHA/NIOSH	(approved or equivalent) and full protective gear.	

6 Accidental Release Measures

Personal precautions:	Isolate area. Keep unnecessary personnel away. Stay upwind. Keep out of low areas. Ventilate spaces before entering.
Environmental precautions:	Prevent further leakage or spillage if safe to do so.

Methods for containment:	Prevent entry into waterways, sewers, basements or confined areas.
Methods for cleaning up:	Eliminate ignition sources including sources of electrical, static or frictional sparks. Wear appropriate protective equipment and clothing during clean-up.
Small Spills:	Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for disposal.
Large Spills:	Dike far ahead of liquid spill for later disposal. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA.

7 Handling and Storage

Handling:	Avoid breathing mist. Avoid contact with skin and eyes. Wear suitable protective clothing including eye protection and impermeable gloves. Wash hands after handling.
Storage:	Keep from freezing. Keep containers tightly closed. Store in a dry place.

8 Exposure Control and Personal Protection

Occupational exposure limits:

Component:	TWA	STEL
Phosphoric Acid:	1 mg/m ³	3 ppm

Engineering controls: Use local exhaust ventilation.

Personal protective equipment:

General:	Eye wash fountain and emergency showers are recommended.
Eye/face protection:	Wear safety glasses or goggles.
Skin protection:	Wear suitable protective clothing. Use impervious gloves.
Respiratory protection:	Not normally required if good ventilation is maintained

9 Physical and Chemical Properties

BOILING POINT: 212°F (100°C)	SPECIFIC GRAVITY (H₂O=1):	1.05
VAPOR PRESSURE: ND	PERCENT VOLATILE BY VOL%:	75-90%
VAPOR DENSITY (air=1) ND	EVAPORATION RATE (Butyl Acetate=1):	ND
SOLUBILITY IN WATER: Completely Soluble	APPEARANCE & ODOR:	Clear Colorless Liquid
pH: 1.5		

10 Stability and Reactivity

STABILITY:	Stable under normal conditions.
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INCOMPATIBILITY (material to avoid): Strong bases or reducing agents,

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon Monoxide, Carbon Dioxide, Oxides of Phosphorous, Phosphine, and low molecular weight hydrocarbons may be produced.

HAZARDOUS POLYMERIZATION: Will not occur

11 Toxicological Information

Components Test Results: No data available. Product is corrosive to mucous membranes, eyes and skin.

Carcinogenicity: This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

12 Ecological Information

No Data Available.

13 Disposal Information

Disposal instructions: Dispose according to all applicable Federal, State, and Local regulations.

14 Transport Information

This product is considered Hazardous in transportation. The product is classified "ORM-D" in appropriate packaging.
In bulk containers, this product is classified: Phosphoric Acid Solution, 8, 1805, PG III

15 Regulatory Information

US federal regulations: All components are listed in the United States TSCA Regulations.

CERCLA (Superfund) reportable quantity: None

SARA (Superfund Amendments and Reauthorization Act of 1986):

313 Components: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

Section 302 extremely hazardous substance: No

Section 311 hazardous chemical:

No

16 Other Information

Further information: (HMIS® is a registered trade and service mark of the NPCA.)

HMIS® ratings Health: 3

Flammability: 0

Physical hazard: 1

NFPA ratings Health: 3

Flammability: 0

Reactivity: 0

Other: NA-Not Applicable, ND-Not Determined, NE-Not Established.

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PREPARED: 3/24/17