



Safety Data Sheet

Issue Date 26-Sep-2007

Revision Date: 9-Jan-2014

Version 2

1. IDENTIFICATION

Product Identifier

Product Name 1300 Smart Prep Aluminum Brightener and Deoxidizer & Right Stuff Formula

Other means of identification

SDS # SC-008

UN/ID No NA1760

UPC Code Quart Bottle: 728045130253
Gallon Bottle: 028045131046 or 72804513046
5 Gallon pail: 017926135000

Synonyms Right Stuff Formula 1300, a solution of phosphoric acid in water, with a surfactant, degreaser and dye.

Other Information Supplier GLN: 00179264004142.
Quart Bottle GTIN: 07280451302530
Gallon Bottle GTIN: 00280451310464
5 Gallon pail GTIMN: N/A

Recommended use of the chemical and restrictions on use

Recommended Use Aluminum brightener.

Details of the supplier of the safety data sheet

Supplier Address
Sunbelt Chemicals Corp.
71 Hargrove Grade
Palm Coast, FL 32137

Emergency Telephone Number

Company Phone Number 1-386-446-4595
Emergency Telephone (24 hr) Chemtrec 1-800-424-9300 (North America) 1-703-527-3887 (International)

2. HAZARDS IDENTIFICATION

Classification

Skin corrosion/irritation	Category 1 Sub-category C
Serious eye damage/eye irritation	Category 1

Signal Word

Danger

Hazard Statements

Causes severe skin burns and eye damage

**Appearance** Clear liquid**Physical State** Liquid**Odor** Mild acrylic**Precautionary Statements - Prevention**

Do not breathe dust/fume/gas/mist/vapors/spray
 Wash face, hands and any exposed skin thoroughly after handling
 Wear protective gloves/protective clothing/eye protection/face protection

Precautionary Statements - Response

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
 Immediately call a POISON CENTER or doctor/physician
 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
 Wash contaminated clothing before reuse
 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
 Immediately call a POISON CENTER or doctor/physician
 IF SWALLOWED: rinse mouth. Do NOT induce vomiting

Precautionary Statements - Storage

Store locked up

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

Other Hazards

Harmful to aquatic life with long lasting effects
 Harmful to aquatic life

3. COMPOSITION/INFORMATION ON INGREDIENTS

Synonyms Right Stuff Formula 1300, a solution of phosphoric acid in water, with a surfactant, degreaser and dye.

Chemical Name	CAS No	Weight-%
Phosphoric acid	7664-38-2	<5
Ammonium bifluoride	1341-49-7	<2
Nonoxynol	9016-45-9	<1

4. FIRST-AID MEASURES

First Aid Measures

Eye Contact Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Call a physician or poison control center immediately.

Skin Contact Immediately begin flushing skin continuously for a minimum of 15 minutes. Remove contaminated clothing and shoes immediately. Immediately call a POISON CENTER or doctor/physician.

Inhalation	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.
Ingestion	IF SWALLOWED: rinse mouth. Do NOT induce vomiting. If exposed subject is fully conscious, give plenty of water to drink. Never give anything by mouth to an unconscious person. Seek immediate medical attention/advice.

Most important symptoms and effects

Symptoms	Causes severe skin burns and eye damage. May cause eye burns and permanent eye damage. Swallowing may cause burns of the mouth, throat and stomach. Symptoms may include bleeding, vomiting, and diarrhea. Damage may appear long after exposure. Prolonged contact with solution has a destructive effect on tissue. Overexposure may aggravate pre-existing disorders of the eyes, skin and respiratory system.
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Indication of any immediate medical attention and special treatment needed

Notes to Physician	Treat symptomatically.
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5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable Extinguishing Media Adding water to acidic solutions may generate large amounts of heat.

Specific Hazards Arising from the Chemical

Product is not combustible or an explosive.

Hazardous Combustion Products Carbon monoxide. Carbon dioxide (CO₂).

Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal Precautions	Wear protective clothing as described in Section 8 of this safety data sheet. Isolate hazard area. Keep unnecessary and unprotected personnel from entering.
Environmental Precautions	See Section 12 for additional Ecological Information. See Section 13, Disposal Considerations, for additional information.

Methods and material for containment and cleaning up

Methods for Containment	Prevent further leakage or spillage if safe to do so. Contain and recover liquid where possible.
Methods for Clean-Up	Neutralize with suitable material, such as slaked lime or sodium bicarbonate. Absorb neutralized product residue on clay, or other inert substance and package in suitable container for disposal. Do not flush to sewer. For spills in excess of allowable limits (RQ) notify the National Response Center (800) 424-8802; refer to 40 CFR 302 for detailed instructions concerning reporting requirements. Reporting to the State Emergency Response Commission (SERC) warning point and local authorities (911) is also required.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on Safe Handling

Handle in accordance with good industrial hygiene and safety practice. Do not breathe dust/fume/gas/mist/vapors/spray. Wash face, hands, and any exposed skin thoroughly after handling. Use personal protection recommended in Section 8. Observe precautions found on the label. When diluting, the acid should always be added slowly to water and in small amounts. Never use hot water and never add water to the acid. Water added to acid can cause uncontrolled boiling and splashing.

Conditions for safe storage, including any incompatibilities

Storage Conditions

Keep container tightly closed and store in a cool, dry and well-ventilated place. Protect container from physical damage. Keep away from heat. Keep away from water. Store away from incompatible materials. Store locked up.

Packaging Materials

Do not reuse container. Empty containers retain product residue and can be hazardous.

Incompatible Materials

Phosphoric acid in contact with caustics and organic compounds may react resulting in the formation of flammable gases. Toxic fumes may be generated on contact with cyanides, organic peroxides, sulfides, fluorides and halogenated solvents.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Phosphoric acid 7664-38-2	STEL: 3 mg/m ³ TWA: 1 mg/m ³	TWA: 1 mg/m ³ (vacated) TWA: 1 mg/m ³ (vacated) STEL: 3 mg/m ³	IDLH: 1000 mg/m ³ TWA: 1 mg/m ³ STEL: 3 mg/m ³
Ammonium bifluoride 1341-49-7	TWA: 2.5 mg/m ³ F	TWA: 2.5 mg/m ³ F TWA: 2.5 mg/m ³ dust (vacated) TWA: 2.5 mg/m ³	TWA: 2.5 mg/m ³ F

Appropriate engineering controls

Engineering Controls

Apply technical measures to comply with the occupational exposure limits. Eyewash stations. Showers.

Individual protection measures, such as personal protective equipment

Eye/Face Protection

Safety glasses with side shields, goggles and/or a face shield.

Skin and Body Protection

Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact.

Respiratory Protection

If exposure limits are exceeded and engineering controls are not feasible, a full face respirator, with an organic vapor cartridge, may be worn up to 50 times the permissible exposure limit (PEL). For emergencies or instances where the exposure levels are not known, use full face, positive pressure, air supplied respirator. WARNING: air purifying respirators do not provide protection in oxygen deficient atmospheres.

General Hygiene Considerations Wash contaminated clothing before reuse. Wash face, hands and any exposed skin thoroughly after handling.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical State	Liquid	Odor	Mild acrylic
Appearance	Clear liquid	Odor Threshold	Not determined
Color	Clear		

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	2-3	
Melting Point/Freezing Point	Not determined	
Boiling Point/Boiling Range	> 87 °C / >190 °F	
Flash Point	Not determined	
Evaporation Rate	> 1	(butyl acetate = 1)
Flammability (Solid, Gas)	Liquid-not applicable	
Upper Flammability Limits	Not determined	
Lower Flammability Limit	Not determined	
Vapor Pressure	Unknown	
Vapor Density	Unknown	
Specific Gravity	1.0-1.2	
Water Solubility	Infinite	
Solubility in other solvents	Not determined	
Partition Coefficient	Not determined	
Autoignition Temperature	Not determined	
Decomposition Temperature	Not determined	
Kinematic Viscosity	Not determined	
Dynamic Viscosity	Not determined	
Explosive Properties	Not an explosive	
Oxidizing Properties	Not determined	

10. STABILITY AND REACTIVITY

Reactivity

Not reactive under normal conditions.

Chemical Stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

None under normal processing.

Hazardous Polymerization

Hazardous polymerization does not occur.

Conditions to Avoid

Keep out of reach of children.

Incompatible Materials

Phosphoric acid in contact with caustics and organic compounds may react resulting in the formation of flammable gases. Toxic fumes may be generated on contact with cyanides, organic peroxides, sulfides, fluorides and halogenated solvents.

Hazardous Decomposition Products

Carbon monoxide. Carbon dioxide (CO₂).

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

- Eye Contact** Causes severe eye damage.
- Skin Contact** Causes severe skin burns.
- Inhalation** Avoid breathing vapors or mists.
- Ingestion** Do not taste or swallow.

Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Water 7732-18-5	> 90 mL/kg (Rat)	-	-
Phosphoric acid 7664-38-2	= 1530 mg/kg (Rat)	= 2730 mg/kg (Rabbit)	> 850 mg/m ³ (Rat) 1 h
Ammonium bifluoride 1341-49-7	= 130 mg/kg (Rat)	-	-
Nonoxynol 9016-45-9	= 1310 mg/kg (Rat)	= 2 mL/kg (Rabbit)	-

Information on physical, chemical and toxicological effects

- Symptoms** Please see section 4 of this SDS for symptoms.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

- Carcinogenicity** The table below indicates whether each agency has listed any ingredient as a carcinogen. However, the product as a whole has not been tested.

Chemical Name	ACGIH	IARC	NTP	OSHA
Ammonium bifluoride 1341-49-7		Group 3		

*IARC (International Agency for Research on Cancer)
Group 3 IARC components are "not classifiable as human carcinogens"*

Numerical measures of toxicity

Not determined

12. ECOLOGICAL INFORMATION

Ecotoxicity

Harmful to aquatic life with long lasting effects. Harmful to aquatic life.

Component Information

Chemical Name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Phosphoric acid 7664-38-2		3 - 3.5: 96 h Gambusia affinis mg/L LC50		4.6: 12 h Daphnia magna mg/L EC50

Persistence/Degradability

Not determined

Bioaccumulation

Not determined

Mobility

Not considered mobile

Other Adverse Effects

Not determined

13. DISPOSAL CONSIDERATIONS

Waste Treatment Methods

- Disposal of Wastes** Disposal should be in accordance with applicable regional, national and local laws and regulations.

- Contaminated Packaging** Disposal should be in accordance with applicable regional, national and local laws and regulations.

California Hazardous Waste Status

Chemical Name	California Hazardous Waste Status
Phosphoric acid 7664-38-2	Corrosive

14. TRANSPORT INFORMATION

Note Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances. When shipped in containers of 1.3 gallons or less this material may be reclassified in accordance with DOT regulation 49CFR173.154 as: Limited Quantity.

DOT

- UN/ID No** NA1760
- Proper Shipping Name** Compounds, cleaning liquid (Phosphoric acid)
- Hazard Class** 8
- Packing Group** III

IATA

- UN/ID No** UN1760
- Proper Shipping Name** Corrosive liquid, n.o.s. (Phosphoric acid)
- Hazard Class** 8
- Packing Group** III

IMDG

- UN/ID No** UN1760
- Proper Shipping Name** Corrosive liquid, n.o.s. (Phosphoric acid)
- Hazard Class** 8
- Packing Group** III

15. REGULATORY INFORMATION

International Inventories

Not Listed

Legend:

- TSCA - United States Toxic Substances Control Act Section 8(b) Inventory*
- DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List*
- EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances*
- ENCS - Japan Existing and New Chemical Substances*
- IECSC - China Inventory of Existing Chemical Substances*
- KECL - Korean Existing and Evaluated Chemical Substances*
- PICCS - Philippines Inventory of Chemicals and Chemical Substances*

US Federal Regulations

CERCLA

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

Chemical Name	Hazardous Substances RQs	CERCLA/SARA RQ	Reportable Quantity (RQ)
Phosphoric acid 7664-38-2	5000 lb		RQ 5000 lb final RQ RQ 2270 kg final RQ
Ammonium bifluoride 1341-49-7	100 lb		RQ 100 lb final RQ RQ 45.4 kg final RQ

SARA 311/312 Hazard Categories

Acute Health Hazard	Yes
Chronic Health Hazard	No
Fire Hazard	No
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

Chemical Name	CAS No	Weight-%	SARA 313 - Threshold Values %
Ammonium bifluoride - 1341-49-7	1341-49-7	<2	1.0

CWA (Clean Water Act)

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

Component	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Phosphoric acid 7664-38-2 (<5)	5000 lb			X
Ammonium bifluoride 1341-49-7 (<2)	100 lb			X

US State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Phosphoric acid 7664-38-2	X	X	X
Ammonium bifluoride 1341-49-7	X	X	X

16. OTHER INFORMATION

<u>NFPA</u>	Health Hazards	Flammability	Instability	Special Hazards Not determined
	2	0	1	Personal Protection Not determined
<u>HMIS</u>	Health Hazards	Flammability	Physical Hazards	Protection Not determined
	Not determined	Not determined	Not determined	

Issue Date (original): 26-Sep-2007
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 Revision Note: Added Smart Prep product

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

1300 Smart Prep and RS SDS rev. 2 1-9-2014 (supersedes 8-28-2013 version) prepared by Sunbelt Chemicals Corp.

End of Safety Data Sheet