



SAFETY DATA SHEET

Original Issue Date 13-Mar-2008

Revision Date 23-MAY-2014

Version 4

1. PRODUCT AND COMPANY IDENTIFICATION

Product Identifier

Product Name Smart Prep Formula #3000 Metal Conditioner

Other Means of Identification

SDS # SC-004 revised 4-14-2014

Product Code

Supplier GLN:00179264004142

Synonyms

Right Stuff® Formula 3000, a solution of phosphoric acid, water, surfactant and activator

Other Information

Smart™ Formula 3000, a solution of phosphoric acid, water, surfactant and activator

Quart UPC Code: 017926310250 / GTIN: 10179263102503

Gallon UPC Code: 017926311042 / GTIN: 10179263110423

5 gallon pail UPC Code: 728045315001 / GTIN: 17280453150013

55 Gallon Drum UPC Code: 017926315507 / GTIN: 10179263155073.

Recommended Use of the Chemical and Restrictions on Use

Recommended Use Metal Conditioner and Restorer

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 CHEMTREC 1-800-424-9300

2. HAZARDS IDENTIFICATION

Classification

Acute toxicity - Inhalation (Dusts/Mists)	Category 4
Skin Corrosion/Irritation	Category 1 Sub-category C
Serious Eye Damage/Eye Irritation	Category 1

Signal Word

Danger

Hazard Statements

Harmful if inhaled

Causes severe skin burns and eye damage

**Appearance** Clear, greenish liquid**Physical State** Liquid**Odor** Mild acidic**Precautionary Statements - Prevention**

Use only outdoors or in a well-ventilated area
 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

Immediately call a POISON CENTER or doctor/physician
 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 (modified GHS statement)

Store in a secure area

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

Other Hazards

Toxic to aquatic life with long lasting effects
 Toxic to aquatic life

3. COMPOSITION/INFORMATION ON INGREDIENTS

Synonyms Smart Prep Formula 3000, a solution of phosphoric acid, water, surfactant and activator.

Chemical Name	CAS No	Weight-%
Water	7732-18-5	Remainder
Phosphoric acid	7664-38-2	< 20
Mixed Chromium Phosphate	59178-46-0	< 7
NP-9 (surfactant)	Proprietary	< 0.5

4. FIRST AID MEASURES

First Aid Measures

General Advice Provide this SDS to medical personnel for treatment.

Inhalation Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.

Eye Contact	Immediately flush eyes with gentle but large amount of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Seek immediate medical attention/advice.
Ingestion	Do NOT induce vomiting. Drink 1 or 2 glasses of water. Never give anything by mouth to an unconscious person. Get medical attention immediately.
Skin Contact	Immediately flush eyes or skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing separately before reuse. Seek immediate medical attention if adverse effect occurs.

Most Important Symptoms and Effects, both Acute and Delayed

Symptoms	May cause irritation to the mucous membranes and upper respiratory tract. May cause skin and eye irritation. Skin contact can lead to drying, defatting, itching, stinging and irritation. Ingestion may cause severe burns to mouth, throat or stomach.
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Indication of any Immediate Medical Attention and Special Treatment Needed

Note to Physicians	Persons with pre-existing skin disorders or eye problems or impaired respiratory function may be more susceptible to the damaging effects.
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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 Not determined.

Specific Hazards Arising from the Chemical

This product is not expected to present a fire hazard.

Hazardous Combustion Products	Carbon oxides.
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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. Ventilate affected area.
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Methods and Material for Containment and Cleaning Up

Methods for Containment	Prevent further leakage or spillage if safe to do so. Absorb spill with inert material (e.g. dry sand or earth).
Methods for Cleaning Up	Sodium bicarbonate (baking soda) can be used to neutralize any residual acidity. Sweep up absorbed material and shovel into suitable containers for disposal. Discard any product, residue, disposable container or liner in full compliance with federal, state, and local regulations. For waste disposal, see section 13 of the SDS. Spills and releases may have to be reported to Federal and/or local authorities. See section 15.

7. HANDLING AND STORAGE

Precautions for Safe Handling

Advice on Safe Handling

Use personal protection recommended in Section 8. Use only with adequate ventilation. Do not breathe dust/fume/gas/mist/vapors/spray. Wash face, hands, and any exposed skin thoroughly after handling. Since empty container retains residue, follow all label warnings even after container is empty. 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. Store away from incompatible materials. Keep locked up and out of reach of children.

Packaging Materials

Do not wash out container and use it for other purposes.

Incompatible Materials

Caustic, Organic peroxides, sulfides, Cyanides, Halogenated hydrocarbons.

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
Mixed Chrome Phosphate 59178-46-0	TWA: 0.5 mg/m ³ Cr	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

Appropriate Engineering Controls

Engineering Controls

Ventilation must be adequate to maintain the ambient workplace atmosphere below the exposure limit(s) outlined in the SDS. If the recommended exposure limit is exceeded increased mechanical ventilation such as local exhaust may be required. Maintain eye wash fountain and quick-drench facilities in work area.

Individual Protection Measures, such as Personal Protective Equipment

Eye/Face Protection

Wear safety glasses with side shields (or goggles). Full face-shield recommended.

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 or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

General Hygiene Considerations Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on Basic Physical and Chemical Properties

Physical State	Liquid	Odor	Mild acidic
Appearance	Clear, greenish liquid	Odor Threshold	Not determined
Color	Clear green		

Property	Values	Remarks • Method
pH	<1	
Melting Point/Freezing Point	Not determined	
Boiling Point/Boiling Range	> 93.33 °C / >200 °F	
Flash Point	Not applicable	
Evaporation Rate	< 1	(butyl acetate = 1)
Flammability (Solid, Gas)	Not determined	
Upper Flammability Limits	Not applicable	
Lower Flammability Limit	Not applicable	
Vapor Pressure	Unknown	
Vapor Density	>1	
Specific Gravity	1.2-1.3	
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 determined	
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

Contact with incompatible materials.

Incompatible Materials

Caustic, Organic peroxides, sulfides, Cyanides, Halogenated hydrocarbons.

Hazardous Decomposition Products

None known based on information supplied.

11. TOXICOLOGICAL INFORMATION

Information on Likely Routes of Exposure

Product Information

Inhalation

Harmful if inhaled.

Eye Contact	Causes severe eye damage.
Skin Contact	Causes severe skin burns.
Ingestion	Can burn mouth, throat, and stomach.

Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Phosphoric acid 7664-38-2	= 1530 mg/kg (Rat)	= 2730 mg/kg (Rabbit)	> 850 mg/m ³ (Rat) 1 h
NP-9 (surfactant)	= 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 Not a suspect carcinogen.

Numerical Measures of Toxicity

Not determined

12. ECOLOGICAL INFORMATION

Ecotoxicity

Toxic to aquatic organisms. Toxic to aquatic life with long lasting effects.

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 and Degradability

The phosphate may persist indefinitely

Bioaccumulation

Not determined

Mobility

Not determined

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. RCRA ; D007, D002
- Contaminated Packaging** Triple rinse with water and dispose of container. Disposal should be in accordance with applicable regional, national and local laws and regulations.

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.

DOT Limited Quantity 1.3 gallons or less
Full Shipping Description: Compound Cleaning Liquid, 8, NA 1760, PG III (for greater than 1.3 gallons)(Contains Phosphoric Acid)

IATA

- UN/ID No** NA 1760
- Proper Shipping Name** Compound Cleaning Liquid (Contains Phosphoric Acid)
- Hazard Class** 8
- Packing Group** III

IMDG

- UN/ID No** NA 1760
- Proper Shipping Name** Compound Cleaning Liquid (Contains Phosphoric Acid)
- Hazard Class** 8
- Packing Group** III

15. REGULATORY INFORMATION

International Inventories

TSCA 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

SARA 313

Chemical Name	CAS No	Weight-%	SARA 313 - Threshold Values %
Mixed Chromium Phosphate	59178-46-0	> 6% < 7%	N/A

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

CWA (Clean Water Act)

Chemical Name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Phosphoric acid 7664-38-2	5000 lb			X

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

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Phosphoric acid 7664-38-2	X	X	X

16. OTHER INFORMATION

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

Original Issue Date	13-Mar-2008
This Revision Date	14-Apr-2014
Revision Note	New Formula

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.

Smart Prep 3000 Metal Conditioner revised 5/23/2014 (Supersedes 12/19/2013) Prepared by Sunbelt Chemicals Corp.

End of Safety Data Sheet