

MSDS

MATERIAL SAFETY DATA SHEET



24 Hour Emergency Telephone Number CHEMTREC 1-800-424-9300

SUNBELT CHEMICALS 71 HARGROVE GRADE PALM COAST, FLORIDA 32137

All non-emergency questions should be directed to Customer Service (1-386-446-4595) for assistance.

FORMULA # 100 **Mag Wheel Cleaner**

1. Product Identification

Synonyms: Right Stuff Formula 100, a solution of phosphoric acid in water, with a surfactant, degreaser and dye.

Product Name: Right Stuff Formula 100

Supplier GLN: 00179264004142

Unit: Quart

Part Number: 10025

UPC Code: 017926100257

GTIN: 10017926100254

Unit: Gallon

Part Number: 10104

UPC Code: 728045101048

GTIN: 10728045101045

2. Composition/Information on Ingredients

<u>Ingredient</u>	<u>CAS Number</u>	<u>Percent</u>	<u>Hazardous</u>
Phosphoric acid (85%)	7664-38-2	<11%	yes
Ammonium hydrogen fluoride	1341-49-7	<2%	yes
NP-9 (surfactant)	9016-45-9	<1%	no
water	7732-18-5	>86%	no

3. Hazards Information

Emergency Overview

DANGER, CORROSIVE! HARMFUL IF SWALLOWED OR INHALED. CAUSES BURNS TO SKIN OR ANY AREA OF CONTACT. REACTS WITH BASES.

Potential Health Effects

Inhalation: This product is not expected to present any inhalation hazards under normal conditions of use. When product is applied with any type of sprayer, do not inhale spray mist.

Ingestion: Swallowing may cause burns of the mouth, throat and stomach. Symptoms may include bleeding, vomiting, and diarrhea. Damage may appear long after exposure.

Skin Contact: Contact with skin can cause severe irritation and burns with greater exposure times.

Eye Contact: Causes severe irritation to the eyes. Greater exposures can cause burns that may result in permanent impairment of vision, even blindness.

Chronic Exposure: Prolonged contact with solution has a destructive effect upon tissue.

Aggravation of Pre-existing Conditions: Persons with pre-existing skin disorders or eye problems or impaired respiratory function may be more susceptible to the damaging effects.

4. First Aid Measures

Inhalation: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek immediate medical attention.

Ingestion: DO NOT INDUCE VOMITING. Give large quantities of water. Never give anything by mouth to an unconscious person. Seek immediate medical attention.

Skin Contact: In case of contact with liquid, immediately flush with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Seek medical attention if necessary.

Eye Contact: Immediately flush eyes with plenty of flowing water for at least 15 minutes, while lifting upper and lower eyelids. Seek immediate medical attention.

5. Fire Fighting Measures

NFPA ratings: Health 2 Flammability 0 Reactivity 1

Fire: Not considered to be a fire hazard.

Explosion: Not considered to be an explosion hazard.

Fire Extinguishing Media: Use any means suitable to extinguish surrounding fire. Adding water to acidic solutions may generate large amounts of heat.

Special Information: Use protective clothing and breathing equipment appropriate for the surrounding fire.

6. Accidental Release Measures

Adequately ventilate area of leak or spill. Wear appropriate personal protective equipment (PPE), as specified in Section 8. Isolate hazard area to keep unprotected personnel from entering. Stop the leak if possible. Contain and recover liquid when possible. Neutralize spill residue with diluted bases, such as lime, soda ash or sodium carbonate. Absorb the neutralized liquid with an inert material, such as vermiculite, sand, or earth and place recovered material in an approved, compatible chemical waste container. Do not flush spilled liquid to the sewer. EPA regulations require reporting spills and releases to the soil, air and water, in excess of the reportable quantity (approximately 5,000 gallons liquid), to the National Response Center, telephone number 1-800-424-8802. Reporting to the State Emergency Response Commission (SERC) warning point and local authorities (911) is also required.

7. Handling and Storage

Store in a cool, dry, ventilated storage area. Protect from physical damage. Away from direct heat, water and incompatible materials. Do not wash out container and use it for other purposes. When diluting, acidic solutions should always be added slowly to the water. Never use hot water and never add water to acidic solutions. Empty containers may be hazardous since they retain residues of liquid. Observe all warnings and precautions stated on the container label. Wear personal protective equipment when handling, opening containers and using acidic solutions.

8. Exposure Control and Personal Protection

Airborne Exposure Limits:

OSHA Permissible Exposure Limit (PEL)	1 mg/m ³ (for phosphoric acid)
ACGIH Short Term Exposure Level (STEL)	3 mg/m ³ (for phosphoric acid)
ACGIH Threshold Limit Value (TLV)	1 mg/m ³ (for phosphoric acid)

Ventilation: A system of local and/or general exhaust is recommended to keep exposure below the Airborne Exposure Limits. Local exhaust ventilation is generally preferred because it can control the emission of the contaminant at its source, preventing dispersion into the occupied area.

Personal Respirators (NIOSH Approved): If exposure limits are exceeded and engineering controls are not feasible, a half face particulate respirator may be worn up to 10 times the permissible exposure limit (PEL). A full face particulate respirator 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.

Skin Protection: Wear impervious protective clothing, including boots, gloves, apron or coveralls as appropriate, to prevent skin contact.

Eye Protection: Use safety glasses with side shields, chemical safety goggles and/or a full face shield where splashing is possible. Maintain eye wash fountain and quick drench facilities (safety shower) in work areas.

9. Physical and Chemical Properties

Appearance: Clear liquid.	Odor: Mild acidic odor.
Solubility: Infinitely soluble in water.	Specific Gravity: 1.0 – 1.2
Percent Volatile: >95%	Boiling Point: >190 °F
Vapor Density: unknown	Vapor Pressure: unknown
Evaporation Rate: < 1 (butyl acetate = 1)	pH: < 2

10. Stability and Reactivity

Stability: Stable under ordinary conditions of use and storage.

Hazardous Decomposition Products: Small amounts of carbon dioxide and carbon monoxide may evolve when heated to decomposition.

Hazardous Polymerization: Will not occur.

Incompatibilities: 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.

11. Toxicological Information

Phosphoric acid data: LD50 Oral Rat 1,530 mg/kg

Not listed on the OSHA, NTP or IARC list of carcinogens.

12. Ecological Information

Environmental Fate: When released to waters, natural hardness minerals may reduce acidity. The remaining phosphate may persist indefinitely.

Environmental Toxicity: May be toxic to aquatic organisms as a result of pH shift downward.

13. Disposal Considerations

For small spills or general cleanup wash down area with plenty of water. Triple rinse container prior to disposal.

14. Transport Information

Proper Shipping Name: 1.3 gallons, or less, may be reclassified in accordance with DOT regulation 49 CFR 173.154, as;

ORM-D, CONSUMER COMMODITY

Full Shipping Description: COMPOUNDS, CLEANING LIQUID, 8, UN1760, PGIII
(for greater than 1.3 gallon) (CONTAINS PHOSPHORIC ACID)

15. Regulatory Information

Primary Regulated Ingredient: Phosphoric acid (CAS # 7664-38-2)

TSCA Inventory Listed: No

CERCLA RQ: 5,000 lbs (phosphoric acid)

SARA Title III, Section 302: Not Listed

TPQ: Not Regulated

SARA Title III, Section 312: Subject to Toxic Chemical Inventory Reporting

Acute: Yes **Chronic:** No **Fire:** No **Pressure:** No **Reactivity:** No

SARA Title III, Section 313: Not Subject to Toxic Chemical Release Inventory Reporting

RCRA Hazardous Waste: Not regulated

Clean Air Act: Not a Listed Hazardous Air Pollutant (HAP)

16. Other Information

Label Hazard Warnings:

DANGER: MAY CAUSE BURNS. HARMFUL IF SWALLOWED

Label Precautions: Contains phosphoric acid. Avoid any contact with eyes and mucous membranes. Do not ingest. Avoid prolonged contact with skin. Do not mix this product with other chemicals or cleaners. Use with caution. **KEEP OUT OF REACH OF CHILDREN.**

Label First Aid: If swallowed, DO NOT INDUCE VOMITING. Give large quantities of water. Never give anything by mouth to an unconscious person. If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. In case of contact, immediately flush eyes or skin with plenty of water, for at least 15 minutes. Remove contaminated clothing and shoes. Wash clothing before reuse. SEEK MEDICAL ATTENTION.
