

# Safety Data Sheet

Date Reviewed: December 2015

Supersedes: March 2015

This document has been prepared to meet the requirements of the U.S. OSHA Hazard Communication Standard, 29 CFR 1910.1200; the Canada's Workplace Hazards Materials Information System (WHMIS) and, the EC Directive, 2001/58/EC. It conforms to ANSI Z400.5.

## 1. Product and Company Identification

<b>Product Name</b>	Power Plus (RTU 1:64)
<b>Product Use</b>	Carpet Cleaning Pre-spray
<b>Manufacturer</b>	Organic Cleaning Compounds 1300 Seabright Ave, Long Beach, CA 90813
<b>Emergency &amp; Company Contact</b>	USA 877-926-3748. Outside USA 775 825-8809.

## 2. Hazards Identification

**Emergency Overview:** White powder mixed with water (rtu). Product is non-combustible. Reacts with acids to release carbon dioxide gas and heat. May irritate skin and eyes.

Dusts may irritate respiratory tract during mixing. Not expected to be toxic to the environment, nor to aquatic organisms. Avoid simultaneous exposure to soda ash and lime dust. In the presence of moisture (i.e. perspiration) the two materials combine to form caustic soda (NaOH), which may cause burns.

### Potential Health Effects:

<b>Skin</b>	Prolonged contact may cause skin irritation (red, dry, cracked skin).
<b>Eyes</b>	Irritating to the eyes.
<b>Ingestions</b>	Although low in toxicity, ingestion may cause nausea, vomiting, stomach ache, and diarrhea.
<b>Inhalation</b>	Prolonged inhalation of product dusts may irritate nose, throat, and lungs.
<b>Chronic Effects</b>	Excessive, long term contact may produce "soda ulcers" on hands and perforation of the nasal septum. Sensitivity reactions may occur from prolonged and repeated exposure. This product does not contain any ingredient designated by IARC, NTP, ACGIH or OSHA as probable or suspected human carcinogens.

## 3. Composition / Information on Ingredients

Chemical Name	CAS #	Wt. %	EC No.	EC Class
Sodium Carbonate	N/A	Trade Secret	N/A	N/A

## 4. First Aid Measures

<b>Skin</b>	Wash with plenty of soap and water. Get medical attention if irritation occurs and persists. Remove and wash contaminated clothing before re-use.
<b>Eyes</b>	Immediately flush with water for at least 15 minutes lifting the upper and lower eyelids intermittently. See a medical doctor or ophthalmologist as necessary.
<b>Ingestions</b>	Rinse mouth with water. Dilute by giving 1 or 2 glasses of water. Do not induce vomiting. Never give anything by mouth to an unconscious person. If symptoms persist contact a doctor or poison control center.
<b>Inhalation</b>	Remove to fresh air. If breathing difficulty or discomfort occurs and persists, obtain medical attention.
<b>Advice to Physician</b>	While internal toxicity is low, irritant effects of high concentrations may produce corneal opacities, and vesicular skin reactions in humans with abraded skin only. Treatment is symptomatic and supportive.

## 5. Fire Fighting Measures

<b>Extinguishing Media:</b>	Not combustible, use extinguishing method suitable for surrounding fire.
<b>Fire/Explosion Hazards:</b>	Not applicable.
<b>Fire Fighting Procedures:</b>	Wear full protective clothing and self-contained breathing apparatus
<b>Flammable Limits:</b>	Not applicable
<b>Auto ignition Temperature:</b>	Not applicable
<b>Hazardous Combustion Products:</b>	Carbon dioxide.
<b>Sensitivity to Impact:</b>	None
<b>Sensitivity to Static Discharge:</b>	None

## 6. Accidental Release Measures

<b>Personal Precautions:</b>	Refer to Section 8 "Exposure Controls / Personal Protection"
<b>Containment:</b>	Prevent large quantities of this product from contacting vegetation or waterways; large spills could kill vegetation and fish.
<b>Clean Up:</b>	This product, if spilled, can be recovered and re-used if contamination does not present a problem. Vacuum or sweep up the material and collect in a suitable container for disposal. If the spilled product is unusable due to contamination, consult state or federal environmental agencies for acceptable disposal procedures and locations. See Section 13
<b>Notification Requirements:</b>	Federal regulations do not require notification for spills of this product. State and local regulations may contain different requirements; consult local authorities.

## 7. Handling and Storage

<b>Handling:</b>	Use air conveying / mechanical systems for bulk transfer to storage. For manual handling of bulk transfer use mechanical ventilation to remove airborne dust from railcar, ship or truck. Use approved respiratory protection when ventilation systems are not available. Selection of respirators is based on the dust cloud generation. Keep material out of lakes, streams, ponds and sewer drains. Avoid eye contact or prolonged skin contact. Avoid breathing dusts. When dissolving, add to water cautiously and with stirring; solutions can get hot. Use good personal hygiene and housekeeping.
<b>Storage:</b>	Store in a cool dry area, away from incompatible products (acids). Prolonged storage may cause separation.

## 8. Exposure Controls / Personal Protection

<b>Engineering Controls:</b>	Where possible, provide general mechanical and/or local exhaust ventilation to prevent release of airborne dust into the work environment. Eye wash facility should be provided in storage and general work area.
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### Personal Protective Equipment:

<b>Eyes and Face:</b>	For dusty or misty conditions, or when handling solutions where there is reasonable probability of eye contact, wear chemical safety goggles and hardhat. Under these conditions do not wear contact lenses. Otherwise, appropriate eye and face protection equipment (ANSI Z87 approved) should be selected for the particular use intended for this material. Safety glasses with side shields are recommended.
<b>Respiratory:</b>	Whenever dust in the worker's breathing zone cannot be controlled with ventilation or other engineering means, workers should wear respirators or dust masks approved by NIOSH/MSHA, EU CEN or comparable certification organization to protect them against airborne dust.

<b>Hands, Arms, and Body:</b>	Wear long- sleeve shirt, trousers and impervious gloves for routine use. Cotton gloves are sufficient for dry product; wear impervious (e.g., rubber, neoprene, etc.) gloves when handling solutions. Protective shoes or boots.
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**Exposure Guidelines:** Federal guidelines treat the ingredient(s) in this product as a nuisance dust, as no product-specific guidelines have been issued for exposure. As with all nuisance dusts, worker breathing zone concentrations should be measured by validated sampling and analytical methods. The following limits (OSHA and MSHA) apply to this material:

Particulates Not Otherwise Regulated:

OSHA (PEL / TWA): 15 mg/m<sup>3</sup> (total dust); 5 mg/m<sup>3</sup> (resp fraction)

MSHA (PEL / TWA): 10 mg/m<sup>3</sup> (total dust)

Avoid simultaneous exposure to soda ash and lime dust. In the presence of moisture (i.e. perspiration) the two materials combine to form caustic soda (NaOH), which may cause burns.

The information noted above provides general guidance for handling this product. Specific work environments and material handling practices will dictate the selection and use of personal protective equipment (PPE).

## 9. Physical and Chemical Properties

<b>Appearance:</b>	White, granular solid
<b>Odor:</b>	Fresh and Clean
<b>Formula:</b>	Trade Secret
<b>Molecular Weight:</b>	105.99
<b>Bulk Density (g/l)</b>	0.7 – 0.9
<b>Specific Gravity:</b>	2.533 (vs. water)
<b>Boiling Point:</b>	Decomposes
<b>Melting Point:</b>	854°C (1569°F)
<b>Evaporation Rate:</b>	Not applicable
<b>Percent Volatile:</b>	<1%
<b>Vapor Density:</b>	Not applicable
<b>Vapor Pressure:</b>	Not applicable
<b>pH (1% solution)</b>	11.3
<b>Flash Point</b>	None

## 10. Stability and Reactivity

<b>Stability:</b>	Stable
<b>Conditions to Avoid:</b>	Contract with acids will release carbon dioxide, heat. Contract with lime dust in the presence of moisture can produce corrosive sodium hydroxide.
<b>Materials to avoid:</b>	May react with aluminum, acids, fluorine, lithium, and 2,4,6-Trinitrotoluene.
<b>Polymerization:</b>	Will not occur.
<b>Hazardous Decomposition:</b>	When heated to decomposition, carbon dioxide is released.
<b>Other Precautions:</b>	When dissolving, add to water cautiously and with stirring; solutions can get hot.

## 11. Toxicological Information

<b>Eye:</b>	Irritant
<b>Skin:</b>	Not a sensitizer (tested at 0.25% solution).
<b>Oral:</b>	Can cause abdominal irritation. Accute over exposure can cause nervous system depression.
<b>Inhalation:</b>	Moderate toxicity
<b>Chronic:</b>	Excessive, long term contact may produce “soda ulcers” on hands and perforation of the nasal septum. Sensitivity reactions may occur from prolonged and repeated exposure.
<b>Carcinogenicity:</b>	Not designated by IARC, NTP, ACGIH or OSHA as probable or suspected human carcinogens.

## 12. Ecological Information

Observed effects are related to alkaline properties of the product. Product is not significantly hazardous for the environment.

## 13. Disposal Considerations

<b>Disposal Method:</b>	When this product is discarded or disposed of, as purchased, it is neither a characteristic nor a listed hazardous waste according to US Federal RCRA regulations (40 CFR 261).
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## 14. Transportation Information

<b>Proper Shipping Name:</b>	Not regulated
<b>Primary Hazard Class / Division:</b>	Not regulated
<b>UN / NA Number:</b>	Not applicable
<b>Label(s), Placard(s), Marking(s):</b>	Not applicable
<b>Reportable Quantity (RQ)</b>	None
<b>49 STCC Number:</b>	Not Applicable
<b>ADR (EU), TDG (Canada)</b>	Not regulated
<b>IMDG (sea) , ICAO (air), IATA (air)</b>	Not regulated

## 15. Regulatory Information

### UNITED STATES:

#### **State Regulations:**

This product does not contain any components that are regulated under California Proposition 65. THIS PRODUCT MEETS REQUIREMENTS OF SOUTHERN CALIFORNIA AQMD RULE 443.1 & SIMILAR REGULATIONS

#### **Other:**

Clean Water Act (CWA) – Section 301/ 311: Not listed

Clean Air Act (CAA) – Section 112: Not regulated

### CANADA:

<b>WHMIS Classification:</b>	D2B: Irritating to skin / eyes. This product has been classified in accordance with hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all information required by the CPR.
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**INTERNATIONAL:**

The identified components of this product are listed on the chemical inventories of the following countries:

Australia (AICS), Canada (DSL or NDSL), China (IECSC), Europe (EINECS, ELINCS), Japan (METI/CSCL, MHLW/ISHL), South Korea (KECI), New Zealand (NZIoC), Philippines (PICCS), Switzerland (SWISS), Taiwan (NECSI), USA (TSCA).

**16. Other Information**

**HMIS** (Hazardous Material Identification System)

Health	0
Flammability	0
Physical Hazard	0
Personal Protection (PPE)	B

Protection = B (Safety glasses and gloves)

4 = Severe, 3 = Serious, 2 = Moderate, 1 = Slight, 0 = Minimal

**NFPA** (National Fire Protection Association System)

Health	0
Flammability	0
Reactivity	0
Special	None

4 = Extreme, 3 = High, 2 = Moderate, 1 = Slight, 0 = Insignificant

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