

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

Product Name	Power Plus (RTU 1:64)
Product Use	Carpet Cleaning Pre-spray
Manufacturer	Organic Cleaning Compounds 17813 S Main St Gardena, CA 90248. Unit 116
Emergency & Company Contact	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:

Skin	Prolonged contact may cause skin irritation (red, dry, cracked skin).
Eyes	Irritating to the eyes.
Ingestions	Although low in toxicity, ingestion may cause nausea, vomiting, stomach ache, and diarrhea.
Inhalation	Prolonged inhalation of product dusts may irritate nose, throat, and lungs.
Chronic Effects	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

Skin	Wash with plenty of soap and water. Get medical attention if irritation occurs and persists. Remove and wash contaminated clothing before re-use.
Eyes	Immediately flush with water for at least 15 minutes lifting the upper and lower eyelids intermittently. See a medical doctor or ophthalmologist as necessary.
Ingestions	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.
Inhalation	Remove to fresh air. If breathing difficulty or discomfort occurs and persists, obtain medical attention.
Advice to Physician	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

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

6. Accidental Release Measures

Personal Precautions:	Refer to Section 8 “Exposure Controls / Personal Protection”
Containment:	Prevent large quantities of this product from contacting vegetation or waterways; large spills could kill vegetation and fish.
Clean Up:	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
Notification Requirements:	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

Handling:	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.
Storage:	Store in a cool dry area, away from incompatible products (acids). Prolonged storage may cause separation.

8. Exposure Controls / Personal Protection

Engineering Controls:	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:

Eyes and Face:	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.
Respiratory:	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.

Hands, Arms, and Body:	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/m³ (total dust); 5 mg/m³ (resp fraction)

MSHA (PEL / TWA): 10 mg/m³ (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

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

10. Stability and Reactivity

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

11. Toxicological Information

Eye:	Irritant
Skin:	Not a sensitizer (tested at 0.25% solution).
Oral:	Can cause abdominal irritation. Accute over exposure can cause nervous system depression.
Inhalation:	Moderate toxicity
Chronic:	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.
Carcinogenicity:	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

Disposal Method:	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

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

WHMIS Classification:	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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