

**VAPCO PRODUCTS DIV.  
GARMAN COMPANY  
401 MARSHALL ROAD  
VALLEY PARK, MO 63088**

**X-Factor****HMIS: 2-0-1****NFPA: 2-0-1-OX**

For Customer Service call: (636) 923-2121  
**Emergency Telephone: (800) 255-3924**

Data Sheet: 11062  
Prepared: 11/03/05

This Material Safety Data Sheet complies with OSHA Hazard Communication Standard 29 CFR 1910.1200.

### SECTION 1: COMPOSITION / INFORMATION ON INGREDIENTS

If present, IARC, NTP, and OSHA Carcinogens, are identified with an asterisk (\*) in this section.

<u>Ingredient(s)</u>	<u>Exposure Limits</u>	<u>Percent</u>	<u>Note</u>
Sodium percarbonate CAS# 15630-89-4	OSHA PEL - 15 mg/M <sup>3</sup> (total dust) OSHA PEL - 5 mg/M <sup>3</sup> (respirable) ACGIH TLV - 10 mg/M <sup>3</sup> (inhalable) ACGIH TLV - 15 mg/M <sup>3</sup> (respirable)	>70%	Particulates not otherwise regulated (PNOR) Particulates (insoluble) not otherwise classified (PNOC)

### SECTION 2: HAZARDS IDENTIFICATION

**Permissible Exposure Limits:** Not established for this product. See Section 1 for Component PELs and TLVs.

**Effects of Acute Overexposure:**

**Eyes:** Exposure to solid material, or solutions of this material in water, may cause severe eye irritation, which may result in permanent eye damage. Symptoms may include stinging, tearing, redness, swelling, pain and eye damage.

**Skin:** Exposure to solid material, or solutions of this material in water, can cause irritation.

**Breathing:** Exposure to vapor or dust can cause irritation to the respiratory tract. Symptoms include coughing and sore throat. Repeated or prolonged exposure may result in nose bleeds and chronic bronchitis.

**Swallowing:** Exposure can cause irritation to the mouth, throat and digestive tract. Symptoms include bloating, belching, nausea, vomiting and diarrhea.

**Primary Route(s) of Entry:** Skin contact, skin absorption, eye contact, and inhalation.

**Effects of Chronic Overexposure:** This product does not contain components in excess of 0.1% which are listed as carcinogens by IARC, NTP, OSHA, or ACGIH.

**Medical Conditions Aggravated by Exposure:** May aggravate other pre-existing disorders, such as diseases of the eyes, skin and respiratory tract.

### SECTION 3: FIRST AID MEASURES

**Eyes:** Immediately remove individual from exposure area and into fresh air. Flush eyes with water for at least 30 minutes while holding eyelids apart. Seek immediate medical attention.

**Skin:** Remove contaminated clothing immediately (do NOT dry contaminated clothing near open flame or incandescent heat source). Wash exposed area with large amounts of soap and water for at least 15 minutes. If irritation persists or open sores or blisters develop, contact a physician.

**Breathing:** If affected, remove individual to fresh air. If breathing is difficult, administer oxygen (if you have been trained in its use). If breathing has stopped, give artificial respiration. Keep person warm, quiet and get immediate medical attention.

**Swallowing:** Do not induce vomiting. Vomiting will cause further damage to the throat. Get medical attention immediately. If individual is conscious and alert, immediately rinse mouth with water and dilute the swallowed material with milk of magnesia or water.

**SECTION 4: FIRE FIGHTING MEASURES**

**Flash Point:** >200 °F TCC

**Explosive Limit:** Not applicable

**Extinguishing Media:** Water.

**Hazardous Decomposition Products:** Unknown

**Fire Fighting Procedures:** Keep personnel removed from and upwind. Wear full protective clothing and self-contained breathing apparatus with full face-piece.

**Special Fire and Explosion Hazards:** This product is an oxidizer. Although it generally will not burn, it liberates oxygen, which may intensify a fire.

**SECTION 5: ACCIDENTAL RELEASE MEASURES**

**Small Spill:** Wear appropriate protective equipment. Remove sources of ignition from the area of the spill. Sweep or scoop spilled material into a container for reuse or disposal. Clean the area with large quantities of water.

**Large Spill:** Only personnel trained in spill clean up under 29 CFR 1910.120 should be involved with spill clean-up procedures. Remove sources of ignition from the area of the spill. While avoiding the creation of dust, sweep or scoop spilled material into a container for disposal or reuse. Clean the area with large quantities of water. Do not flush to sewer. Follow Local, State, and Federal regulations for proper disposal.

**SECTION 6: HANDLING AND STORAGE**

**Storage:** Keep in tightly closed or covered containers when not in use. Store in cool dry place with adequate ventilation. Do not store near heat, sparks or open flames. Do not allow product to get moist.

**Handling:** Never add water to this material; if making a solution, add this material to water. Avoid contact with skin, eyes and clothing. Avoid generating dust. Wash thoroughly after handling.

**SECTION 7: EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Respiratory Protection:** Not required under normal conditions of use; however, if product is sprayed or used in a confined area a NIOSH / MSHA approved respirator may be advised in absence of proper environmental control. OSHA regulations also permit other NIOSH / MSHA respirators under specified conditions—see 29 CFR 1910.134 or your safety equipment supplier. Engineering and/or administrative controls should be implemented to reduce exposure.

**Protective Gloves:** Wear chemical resistant gloves such as rubber. Contact your safety equipment supplier.

**Eye Protection:** Chemical splash goggles and a face shield, in compliance with OSHA regulations, are advised.

**Other Protective Equipment:** To prevent repeated or prolonged skin contact, wear protective clothing covering arms and legs.

**Engineering Controls:** Provide sufficient mechanical ventilation (general and/or local exhaust) to maintain exposure below recommended exposure limits. Material handling equipment should be designed to minimize the generation of dust.

**SECTION 8: PHYSICAL AND CHEMICAL PROPERTIES**

<u>Property</u>	<u>Measurement</u>	<u>Property</u>	<u>Measurement</u>
Boiling Point	Unavailable	Specific Gravity	Unavailable
Vapor Pressure	Negligible	Percent Volatiles	Less than 5%
Vapor Density	Unavailable	Evaporation Rate	Slower than Ether
Solubility in Water	Soluble	Appearance	White solid flakes or crystals
pH	10-11 (1% in water)		

**SECTION 9: STABILITY AND REACTIVITY**

**Hazardous Polymerization:** Can not occur

**Stability:** Stable under normal conditions. Avoid heat and moisture. Small amounts of moisture will cause material to generate heat, which may be sufficient to ignite combustible materials.

**Incompatibility:** Avoid contact with water, acids and bases, reducing materials, salts of heavy metals and organic materials.

**SECTION 10: TOXICOLOGICAL INFORMATION**

No data available for product at this time

**SECTION 11: ECOLOGICAL INFORMATION**

No data available for product at this time

**SECTION 12: DISPOSAL CONSIDERATIONS**

Dispose of in accordance with all Local, State, and Federal Regulations. This product may be classified as an RCRA Hazardous Waste D001 because it is an oxidizer.

**SECTION 13: TRANSPORTATION INFORMATION**

**DOT Hazard Classification:** Consumer Commodity, ORM-D

**IMO/ICAO hazard Classification:** Oxidizing Solid, N.O.S. (contains sodium percarbonate), 5.1, UN 1479, PG II

**SECTION 14: REGULATORY INFORMATION**

SARA Title III, Section 313 chemicals: None

SARA 312 -- Health: Acute (Yes) Chronic (No) Fire (Yes) Reactivity (No)

Proposition 65: No

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**SECTION 15: OTHER INFORMATION**

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Containers used to transport and store this material may be hazardous when emptied. Residue (Vapor, Liquid, and/or Solid) may be present in the emptied container. All hazard precautionary measures should be followed.

The information accumulated and reflected in this Material Safety Data Sheet is believed to be accurate but is not warranted to be, whether originating with the company or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances.