

# SAFETY DATA SHEET (SDS)

## 1. Product and Company Identification

**DTrade name of product:** DOT Mold Remediation Powder

**Product use:** For surface remediation and mold stain removal. FOR RESEARCH AND DEVELOPMENT PURPOSES ONLY.

**Product code:** DXXXXX

**Manufacturer information:** Gascó Industrial  
[www.gascoindustrial.com](http://www.gascoindustrial.com)  
PO Box 1360  
Gurabo PR 00778  
t. 787-737-4000 f. 787-737-4084

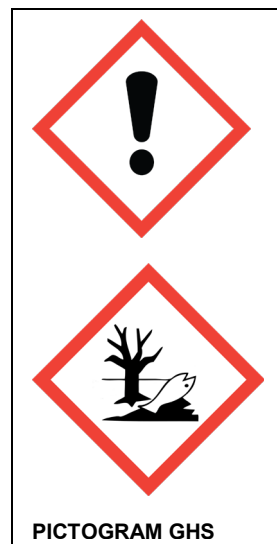
**Emergency telephones:** **In case of poisoning:** 1-800-222-1222  
(24 hours) **Transport:** 1-787-712-8745

## 2. Hazards Identification

**Physical state:** Solid **Signal Word:** WARNING

### Precautionary Statements Summary:

P261 - Avoid breathing dust/fume/gas/mist/vapors/spray  
P264 - Wash hands thoroughly after handling  
P271 - Avoid use in a confined area  
P273 - Avoid release to the environment  
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
P337 + P313 - If eye irritation persists: Get medical advice/attention  
P304 + P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing  
P312 - Call a POISON CENTER or doctor/physician if you feel unwell  
P391 - Collect spillage  
P403 + P233 - Store in a well-ventilated place. Keep container tightly closed  
P405 - Store locked up  
P501 - Dispose of contents/container in accordance with national and international regulations



### Hazard Statements.

See section 11 for additional toxicological information.

H319 - Causes serious eye irritation  
H410 - Very toxic to aquatic life with long lasting effects

H335 - May cause respiratory irritation  
EUH031 - Contact with acids liberates toxic gas

### 3. Ingredients Composition/Information

Name	CAS Number	Composition Range (%W/W)	Composition when mixed as directed (%W/V)
Calcium Hypochlorite	7778-54-3	40-60	0.25
Sodium dodecylsulfate	151-21-3	5-10	.05
Sodium chloride	7647-14-5	25-35	.2
Sodium carbonate	497-19-8	<1	<0.1
TAML	proprietary	Trade secret	Trade secret

### 4. First Aid Measures

- Skin Contact:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.
- Eye Contact:** Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.
- Inhalation:** Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.
- Ingestion:** Call poison control center, or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person.

### 5. Fire-fighting Measures

- Combustion products:** When heated to decomposition, may release poisonous and corrosive fumes of nitrogen trichloride, nitrogen, cyanogen chloride, phosgene, chlorine and CO.
- Suitable extinguishing media:** Large amounts of water may be needed and the flow of water should not be stopped until the fire/reaction has stopped. Avoid using dry chemicals, carbon dioxide or halogenated extinguishing agents.
- Flammable properties:** According to NFPA 400 (Hazardous Materials Code), this material is classified as a Class 1 Oxidizer. Class 1 Oxidizers are oxidizers that do not moderately increase the burning rate of combustible materials with which it comes into contact. Wet material may generate nitrogen trichloride, an explosion hazard. Products exceeding 225 °C (437 °F) will decompose with liberation of toxic gases and possible fire and explosion. Negligible fire hazard.
- Protection of fire-fighters:** Cool containers with water spray. Fire fighters should wear full protective clothing and self-contained breathing apparatus (SCBA) in positive pressure mode. On small fires, use water spray or fog. On large fires, use heavy deluge or fog streams. Flooding amounts of water may be required before extinguishment can be accomplished.

### 6. Accidental Release Measures

- Personal precautions:** Avoid contact with skin, eyes and clothing. Chemical safety goggles Chemical resistant gloves.
- Environmental precautions:** Prevent flow of material into water source and begin monitoring available chlorine and pH immediately.  
- Soil Do not contaminate spill material with any organic materials, ammonia, ammonium salts or urea. Clean up all spill material with clean, dry dedicated equipment and place in a clean dry container.  
- Water This material is heavier than and soluble in water. Stop flow of material into water as soon as

possible. Begin monitoring for available chlorine and pH immediately.

### Cleaning Methods:

Hazardous concentrations in air may be found in local spill area and immediately downwind. If spill material is still dry, do not put water directly on this product as a gas evolution may occur. Do not close containers containing wet or damp material. Do not transport damp or wet material.

## 7. Handling and Storage

**Handling:** Avoid contact with skin, eyes, and clothing. Upon contact with skin or eyes, wash off with water. Avoid breathing the substance. Use respiratory protection when exposure is possible. Vapor space in a closed container may contain a slight amount of chlorine gas and compounds from decomposition of the product.

**Storage:** Store in a dry, cool (< 25°C), well ventilated area away from incompatible materials (see "materials to avoid"). Do not allow water to get into the container.

## 8. Exposure Controls/Personal Protection

**Engineering Controls:** This material should be handled in a well-ventilated area. Use local exhaust as necessary, especially under dusty conditions.

**Personal Protective Equipment:** Eyes: Chemical safety goggles  
Skin: Use protective clothing impervious to this material.  
Respiratory: In case of insufficient ventilation wear suitable respiratory equipment.

## 9. Physical and Chemical Properties

<b>Physical state</b>	Solid	<b>Viscosity</b>	N/A cps	<b>Flash point</b>	N/A
<b>Odor</b>	Chlorine	<b>Boiling point</b>		<b>Partition coefficient (octanol/water)</b>	N/A
<b>Color</b>	White	<b>Freezing Point</b>	N/A	<b>Vapor pressure</b>	N/A kPa
<b>pH</b>	10-11 (solution)	<b>Solubility in water</b>	Complete	<b>Decomposition Temperature</b>	N/A
<b>Relative Density (g/mL)</b>	N/A	<b>Flammability</b>	N/A	<b>Exposivity Limit</b>	N/A
<b>Auto-ignition temperature</b>	N/A	<b>Vapor density</b>	N/A		

## 10. Stability and Reactivity

**Chemical stability:** Stable under normal conditions

**Conditions to avoid:** Heating above decomposition temperature. Contamination with moisture, organic matter or other chemicals may start a chemical reaction with generation of heat, liberation of hazardous gases, and possible generation of fire and explosion.

**Incompatible materials:** Strong acids and/or alkalines. Reducing agents. Combustible material. The active ingredient in this product is a strong oxidizing agent. Avoid contact with water on concentrated material in the container. Also avoid contact with easily oxidizable

organic material: ammonia, urea or similar nitrogen containing compounds; inorganic reducing compounds; floor sweeping compounds and alkalis.

**Hazardous decomposition products:**

Nitrogen trichloride, chlorine and CO.

**Possibility of hazardous reactions:**

Contact with acid liberates toxic gases. If heated by outside source to temperatures above 240°C (464°F), this product will undergo decomposition with the evolution of noxious gases.

## 11. Toxicological Information

**Chronic toxicity:** Chronic inhalation exposure may cause impairment of lung function and permanent lung damage.

**Carcinogenicity:** Not known to be a carcinogen. Not classified by IARC, OSHA, EPA.

## 12. Ecological Information

**Toxicity**

Toxicity to fish LC50 - Lepomis macrochirus (Bluegill sunfish) - 0.049 - 0.16 mg/l -96 h  
Remarks: (IUCLID)

Toxicity to daphnia and other aquatic invertebrates EC50 - Daphnia magna (Water flea) - 0.067 mg/l - 48 h  
Remarks: (ECOTOX Database)

Toxicity to algae IC50 - algae - 2 mg/l - 72 h

**Persistence and degradability**

The methods for determining the biological degradability are not applicable to inorganic substances.

**Bioaccumulative potential**

No data available

**Mobility in soil**

No data available

**Results of PBT and vPvB assessment**

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted.

## 13. Disposal Considerations

**Waste disposal method/  
unused product:**

Avoid access to streams, lakes or ponds. Observe all federal, state and local environmental regulations when disposing of this material. Do not transport damp or wet material. Neutralize materials to a non-oxidizing state for safe disposal.

## 14. Transport Information

**Ground Transport (US DOT):**

UN number: 1748 Class: 5.1 Packing group: II  
 Proper shipping name: Calcium hypochlorite, dry  
 Reportable Quantity (RQ): 10 lbs  
 Marine pollutant: yes Poison Inhalation Hazard: No

**Air Transport (ICAO / IATA):**

UN number: 1748 Class: 5.1 Packing group: II  
 Proper shipping name: Calcium hypochlorite, dry

**Marine/Water Transport (IMDG):**

UN number: 1748 Class: 5.1 Packing group: II EMS-No: F-H, S-Q  
 Proper shipping name: CALCIUM HYPOCHLORITE, DRY  
 Marine pollutant : yes

## 15. Regulatory Information

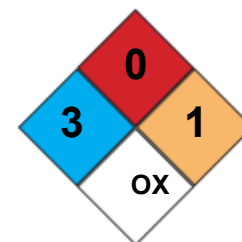
**HCS Classification:** All the ingredients in this preparation are listed in the EPA TSCA Inventory.  
**EPA Registration Number:** Not regulated. FOR RESEARCH PURPOSES ONLY.

## 16. Other Information

### Hazardous Materials Information System (HMIS)

Health	3
Flamability	0
Physical hazards	1

### Protection Association (NFPA)



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