



## SAFETY DATA SHEET - SDS

**SECTION 1****PRODUCT INFORMATION**

Product Name: 90967 DeODOR Pro BIG RIG  
 Supplier: DISTINCTIVE DETAILS, INC  
 1253 Lower Elkton Road  
 Columbiana, OH 44408  
 800-711-7021

Date of preparation: September 1, 2020

EMERGENCY PHONE: CHEM-TREC CCN6739 1.800.424.9300 (outside USA 703.527.3887)

**Information as supplied by the manufacturer of ODOR RESCUE:**

CLO2 SYSTEMS, INC  
 3247 Pearl Road  
 Medina, OH 44256

EMERGENCY SOURCE INFORMATION:  
 24-Hour Emergency 800.535.5053  
 951.286.6367 (9:00 AM – 4:00 PM EST)

SUBSTANCE: Inorganic Oxidizer

DRY UNACTIVATED PRODUCT: Sodium Chlorite, Proprietary Ingredients

ACTIVATED PRODUCT: Chlorine Dioxide

PRODUCT USE: Automotive Interior Deodorizer, Boat & Marine Deodorizer, RV & Camper Deodorizer, Big Rig Deodorizer, Home & Basement Deodorizer, Hotel Room Deodorizer, Commercial & Office Space Deodorizer

**SECTION 2****HAZARDS IDENTIFICATION**

DRY PRODUCT: Sodium chlorite

SIGNAL WORD: CAUTION

CATEGORY: Oxidizing solids (category 2)



Respiratory tract irritant



Causes burns to skin, serious eye damage



May intensify fire; oxidizer

ACTIVATED PRODUCT: Chlorine dioxide

SIGNAL WORD: CAUTION

CATEGORY: NA

INHALATION: Chlorine dioxide gas is a strong respiratory irritant. High exposure may cause bronchial spasms and pulmonary edema, which may be delayed in onset. May cause severe headache. All symptoms may be delayed and long lasting. Prolonged exposure may cause bronchitis.

SKIN CONTACT: Skin irritant. Gas phase may be absorbed, causing tissue and blood cell damage.

**EYE CONTACT:** Eye irritant. Exposure may cause visual disturbance such as seeing haloes around lights.

**INGESTION:** Aqueous solutions of chlorine dioxide gas can be irritating and in high concentrations cause chemical burns. Not anticipated from this product.

**ADDITIONAL DATA:** May have increased effects with exposure to chlorine, other chlorine oxides and chlorine-fluorine compounds. Avoid directly inhaling fumes of activated packet or solution. Read label carefully before use.

### SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS

DRY/Unactivated Product			Activate Product	
COMPONENT	CASRN	RANGE	COMPONENT	CASRN
Activator*	N/A	60-80%	Chlorine Dioxide	10049-04-4
Sodium Chlorite	7758-19-2	20-40%		
Inert*	N/A	< 2%		

\*Proprietary ingredients

### SECTION 4 FIRST AID MEASURES

#### CONTACT WITH DRY PRODUCT

**SKIN:** Brush off loose product. Rinse skin immediately with plenty of water, then wash area with soap and water. Call a poison control center or doctor for treatment advice.

**EYES:** 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 the eye. Seek medical attention immediately.

**INGESTION:** Call a poison control center or doctor immediately for treatment advice. Have person drink large quantities of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

**INHALATION:** Remove individual from exposure to chemical. Seek fresh air. If individual is not breathing, administer CPR. If breathing is labored, seek medical attention.

#### CONTACT WITH LIQUID PRODUCT (ACTIVATED PRODUCT)

**SKIN:** Remove contaminated clothing. Rinse skin immediately. If irritation persists, obtain medical attention.

**EYES:** 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 the eye. If irritation persists, obtain medical attention.

**INHALATION:** **The product produces chlorine dioxide gas when the contents are adequately wetted. Carefully observe label instructions, and Section 8 of this SDS.** Remove individual from exposure to chemical. Seek fresh air. If individual is not breathing, administer CPR. If breathing is labored, seek medical attention.

**INGESTION:** Call a poison control center or doctor immediately for treatment advice. Have person drink large quantities of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

NOTE: Have the product container or label with you when calling a poison control center or doctor or going for treatment.

## SECTION 5

## FIRE FIGHTING MEASURES

**FIRE AND EXPLOSION HAZARD:** Sodium chlorite in the unactivated product is a strong oxidizer, and can support combustion in the absence of air. Chlorine dioxide, which may evolve from exposure of the unactivated product to water, is explosive in the gas phase at concentrations greater than 10% by volume. Do not allow chlorine dioxide gas to accumulate in confined spaces.

**EXTINGUISHING MEDIA:** Fire-exposed containers should be watered and cooled with water fog. Decomposition can release oxygen that supports combustion and reduces effectiveness of suffocation-type extinguishing agents.

**FIREFIGHTING:** Wear full protective clothing and self-contained breathing apparatus with full face piece (pressure-demand, NIOSH-approved). Approach fire from upwind to avoid hazardous vapors and toxic decomposition products.

**HAZARDOUS COMBUSTION PRODUCTS:** Decomposition can release oxygen that supports combustion and reduces effectiveness of suffocation-type extinguishing agents. Thermal decomposition products from incomplete combustion (pyrolysis) include carbon monoxide, carbon dioxide, and inorganic chlorine compounds.

## SECTION 6

## ACCIDENTAL RELEASE MEASURES

### **DRY PRODUCT:**

If contents of pouch are exposed, spilled, or otherwise introduced into the environment:

- Wear protective rubber gloves (see manufacturer details for tolerances)
- Wear protective goggles or other eye protection
- Wear an approved NIOSH mask to prevent inhaling fumes/dust
- Place contents on pouch in a plastic container
- Fill container with water to allow degradation/neutralization

### **ACTIVATED PRODUCT:**

If activated product is spilled, or otherwise introduced into the environment:

- Wear protective rubber gloves (see manufacturer details for tolerances)
- Wear protective goggles or other eye protection
- Wear an approved NIOSH mask to prevent inhaling fumes
- If spillage is heavily concentrated, dilute
- Soak up spillage and dispose of according to local ordinance

## SECTION 7

## HANDLING AND STORAGE

**HANDLING:** Use product as directed by label. Avoid breathing mist or vapors generated by activated product. Use only with adequate ventilation. Avoid contact with eyes, skin or clothing. Wash thoroughly after handling. Thoroughly rinse any protective gear and handling equipment used prior to storage and reuse.

**STORAGE:** Observe all applicable regulations when storing this substance. Keep unactivated product in a cool, dry, ventilated area away from direct sunlight. Do not store with acids, chlorine and chlorine

compounds, hypochlorites (bleach), organic solvents, sulfur and sulfite compounds, phosphorus, and combustible/flammable materials. Do not store in areas where sparking may occur.

After envelope is spent, liquid product should be disposed of down designated disposal sink and flushed thoroughly with water. Throw away envelope. Ensure the micro-reactor used for air treatment or odor elimination is spent before discarding; see product label for total time to be emerged in water prior to discarding.

## SECTION 8

## EXPOSURE CONTROL/PERSONAL PROTECTION

**VENTILATION:** General exhaust ventilation is sufficient for safe use of this product. Avoid breathing any vapors, mists or fumes generated by the inactivated and activated product. Local exhaust ventilation or NIOSH approved mask may be appropriate during applications, in confined spaces or where large quantities are used.

**EYE PROTECTION:** Whether handling dry ingredients or activated product, approved safety goggles or face shield should be worn.

**EMERGENCY WASH FACILITIES:** None normally required when handling intact product. Safety shower and chemical eyewash facilities may be necessary if handling large quantities of dry ingredients.

**GLOVES:** None normally required when handling intact product. If handling dry ingredients in product, use appropriate hand protection. Gloves made of rubber, neoprene or other chemically impervious gloves may be suitable. Consult glove manufacturer.

**RESPIRATOR:** None normally required when handling intact product. Where overexposure to chlorine dioxide may occur, use appropriate respiratory protection and follow OSHA requirements at 29 CFR 1910.134 and 29 CFR 1910.1000. A NIOSH-approved air-purifying respirator or a NIOSH approved canister/cartridge respirator rated for chlorine/acid gas or specified for chlorine dioxide may be appropriate.

**FOR FIREFIGHTING AND OTHER IMMEDIATELY DANGEROUS TO LIFE OR HEALTH CONDITIONS:** For firefighting, see section 5

### DRY/Unactivated Product

#### Activate Product

COMPONENT	CASRN	RANGE	COMPONENT	CASRN
Activator*	N/A	60-80%	Chlorine Dioxide	10049-04-4
Sodium Chlorite	7758-19-2	20-40%		
Inert*	N/A	< 2%		*Proprietary ingredients

### EXPOSURE LIMITS:

COMPONENT	CASRN	OSHA	ACGIH	NIOSH
Activator*	N/A	None Listed	None Listed	None Listed
Sodium Chlorite	7758-19-2	None Listed	None Listed	None Listed
Inert*	N/A	15 mg/m3^*	10 mg/m3^*	None Listed
				*Proprietary ingredients

## SECTION 9

## PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Dry Product-white powdery substance.  
Activated Product-light green to yellow liquid.

UPPER/LOWER FLAMMABILITY LIMITS: NA

ODOR: Dry Product-NA  
Activated Product-faint chlorine smell

VAPOR PRESSURE: NA

ODOR THRESHOLD: 0.1 PPM

VAPOR DENSITY: NA

pH: Neutral

RELATIVE DENSITY: NA

MELTING/FREEZING POINT: NA

SOLUBILITY: COMPLETE

INITIAL BOILING POINT AND BOILING RANGE: NA

FLASH POINT: 185°C

EVAPORATION RATE: NA

FLAMMABILITY: NA

PARTITION COEFFICIENT: NA

AUTO-IGNITION TEMPERATURE: NA

DECOMPOSITION TEMPERATURE: 160°C

VISCOSITY: NA

## SECTION 10

## STABILITY AND REACTIVITY

STABILITY: Product is stable under normal storage conditions. Ingredients are oxidizers and may decompose if heated above 160 °C, opened, or wetted.

CONDITIONS TO AVOID: Avoid storing product where it might become wet, or where the spilled contents of a damaged, unactivated pouch could dry to a crystalline salt or produce chlorine dioxide gas. Do not store where dry material may come into contact with sparking

INCOMPATIBILITIES: Avoid accidental contact of dry ingredients or activated product with acids, chlorine compounds, hypochlorites (bleach), sulfur and sulfite compounds, phosphorus, organic solvents, and combustible/flammable materials.

HAZARDOUS DECOMPOSITION: Exposure of dry ingredients or activated product to acids or chlorine compounds can produce uncontrolled release of chlorine dioxide gas.

## SECTION 11

## TOXICOLOGICAL INFORMATION

CARCINOGEN STATUS: Not Listed.

TARGET ORGANS: Skin, eyes.

ADDITIONAL DATA: None.

HEALTH EFFECTS OF UNACTIVATED PRODUCT: None anticipated under normal conditions of use. Contact with dry ingredients may cause burns.

INHALATION: None anticipated under normal conditions of use.

SKIN CONTACT: None anticipated under normal conditions of use.

**EYE CONTACT:** None anticipated under normal conditions of use; however, eye contact with dry ingredients may cause irreversible eye damage.

**INGESTION:** None anticipated under normal conditions of use.

**DERMAL SENSITIZATION:** A dermal sensitization test [in accordance with EPA Health Effects Test Guidelines, OPPTS 870.2600 (2003)] was deemed not necessary by EPA since all ingredients are sealed inside packet and no exposure is created with proper use.

**ACUTE INHALATION:** LC50 >2.07mg/L (male and female rats): single exposure acute inhalation of the activated aqueous solution of chlorine dioxide.

**CARCINOGEN STATUS:**

OSHA: Not Listed.

NTP: Not Listed.

IARC: Not Listed.

**TARGET ORGANS:** Skin, eyes, respiratory tract, mucous membranes.

**ADDITIONAL DATA:** None.

**HEALTH EFFECTS FROM EXPOSURE TO ACTIVATED PRODUCT:** None anticipated under normal conditions of use.

**POTENTIAL HEALTH EFFECTS FROM EXPOSURE TO CHLORINE DIOXIDE GAS:**

**INHALATION:** Chlorine dioxide gas is a strong respiratory irritant. High exposure may cause bronchospasm and pulmonary edema, which may be delayed in onset. May also cause severe headache. All symptoms may be delayed and long lasting. Prolonged exposure may cause bronchitis.

**SKIN CONTACT:** Skin irritant. Gas phase may be absorbed, causing tissue and blood cell damage.

**EYE CONTACT:** Eye irritant. Exposure may cause visual disturbance such as seeing haloes around lights.

**INGESTION:** Liquid solutions of chlorine dioxide gas can be irritating and in high concentrations cause chemical burns. Not anticipated from this product.

**ADDITIONAL DATA:** May have increased effects with exposure to chlorine, other chlorine oxides, and chlorine-fluorine compounds.

## SECTION 12

## ECOLOGICAL INFORMATION

ACUTE AQUATIC TOXICITY:

Not applicable.

DEGRADABILITY:

Decomposes in water.

BIOCONCENTRATION FACTOR (BCF):

Not applicable.

OCTANOL/WATER PARTITION COEFFICIENT: Not applicable.

## SECTION 13

## DISPOSAL CONSIDERATIONS

Unactivated product should be disposed in accordance with all federal, state and local regulations. Used/activated product sachets are considered inert; consult with appropriate agencies to determine appropriate disposal methods.

**SECTION 14****TRANSPORT INFORMATION****DOT Transportation Data (49 CFR 172.101):**

D.O.T. Classification: 5.1 Oxidizer  
UN Number: 1496

**SECTION 15****REGULATORY INFORMATION****US FEDERAL REGULATIONS:**

Clean Air Act: Not applicable.

CERCLA SECTION 103 (40 C.F.R. § 302.4): Not applicable.

SARA SECTION 302 (40 C.F.R. § 355.30): Not applicable.

SARA SECTION 304 (40 C.F.R. § 355.40): Not applicable.

SARA (EPCRA) SECTION 313 (40 C.F.R. § 372.65): Chlorine dioxide produced from activated product is listed under SARA 313, with a 25,000-pound threshold for manufactured product.

OSHA PROCESS SAFETY (29 C.F.R. § 1910.119): Not regulated.

SARA HAZARD CATEGORIES, SARA SECTIONS 311/312 (40 C.F.R. § 370.21): 10,000 lb. threshold.

ACUTE HAZARD: Irritant.

CHRONIC HAZARD: None known.

FIRE HAZARD: Oxidizer.

REACTIVITY HAZARD: Oxidizer.

SUDDEN RELEASE HAZARD: Not applicable.

**STATE REPORTING REQUIREMENTS:**

California Proposition 65: Not regulated. New Jersey: See Section II.

**SECTION 16****OTHER INFORMATION****Disclaimer:**

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The conditions or methods of handling, storage, use, and/or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for any loss, damage or

expense arising out of or in any way connected with handling, storage, use or disposal of the product.

Please carefully read and understand all labels before using product.

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Por favor, cuidadosamente leer y entender todas las etiquetas antes de utilizar el product Avis de non-responsabilité.

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Veuillez lire attentivement et comprendre toutes les étiquettes avant d'utiliser le produit



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