

# Safety Data Sheet

Issue Date: 14-Feb-2020

Revision Date: 17-Feb-2020

Version 1

## 1. IDENTIFICATION

### Product identifier

**Product Name** RMR-86 PRO Mold Stain & Mildew Stain Remover

### Other means of identification

**SDS #** RMR-001

**UN/ID No** UN1791

### Recommended use of the chemical and restrictions on use

**Recommended Use** Mold stain and mildew stain remover.

### Details of the supplier of the safety data sheet

#### **Supplier Address**

RMR Solutions  
301 Appian Way  
Brighton, MI 48116  
Ph: 866-822-8744  
Fax: 810-227-5595  
Website: rmr solutions.com

### Emergency telephone number

**Emergency Telephone** Chemtel 800-255-3924

## 2. HAZARDS IDENTIFICATION

**Appearance** Clear yellow liquid

**Physical state** Liquid

**Odor** Chlorine Bleach

### Classification

The classification and labeling information in this Safety Data Sheet should be viewed as provisional, as physical test data has not been performed. This SDS was created using the criteria set forth by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200) and is compliant with the Globally Harmonized System of Labeling and Classification of Chemicals (GHS).

Skin corrosion/irritation	Category 1 Sub-category C
Serious eye damage/eye irritation	Category 1

### Signal Word

**Danger**

### Hazard statements

Causes severe skin burns and eye damage



### Precautionary Statements - Prevention

Do not breathe dust/fume/gas/mist/vapors/spray  
Wash face, hands and any exposed skin thoroughly after handling  
Wear protective gloves/protective clothing/eye protection/face protection

**Precautionary Statements - Response**

Immediately call a poison center or doctor/physician

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

Immediately call a poison center or doctor/physician

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower

Wash contaminated clothing before reuse

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing

Immediately call a poison center or doctor/physician

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting

**Precautionary Statements - Storage**

Store locked up

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**Other hazards**

Very toxic to aquatic life with long lasting effects

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical name	CAS No	Weight-%
Sodium hypochlorite	7681-52-9	4-6

\*\*If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.\*\*

**4. FIRST AID MEASURES****Description of first aid measures**

<b>Eye Contact</b>	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediate medical attention is required.
<b>Skin Contact</b>	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. If skin irritation persists, call a physician.
<b>Inhalation</b>	Remove exposed individual(s) to fresh air for 20 minutes. Consult a physician/poison center if individual's condition declines or if symptoms persist.
<b>Ingestion</b>	Rinse mouth. Do NOT induce vomiting. Drink 1 or 2 glasses of water. Never give anything by mouth to an unconscious person. Immediate medical attention is required.

**Most important symptoms and effects, both acute and delayed**

<b>Symptoms</b>	Causes severe skin burns and eye damage. May cause irritation to the mucous membranes and upper respiratory tract. May cause burns to mouth, esophagus and stomach. Swallowing large quantities may cause gastrointestinal tract irritation, nausea, vomiting, and diarrhea.
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**Indication of any immediate medical attention and special treatment needed**

<b>Notes to Physician</b>	Treat symptomatically.
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## 5. FIRE-FIGHTING MEASURES

### Suitable Extinguishing Media

Dry chemical, CO2 or water spray. Foam.

**Unsuitable Extinguishing Media** Not determined.

### Specific Hazards Arising from the Chemical

Combustion products may be toxic. Contacts with acids liberates toxic gas.

**Hazardous combustion products** Carbon monoxide. Carbon dioxide (CO2).

### Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

**Personal Precautions** Use personal protective equipment as required. Keep unnecessary people away, isolate hazard area and deny entry. Remove all sources of ignition.

**For Emergency Responders** Contact with acids liberates toxic gas.

### Environmental precautions

**Environmental precautions** See Section 12 for additional Ecological Information.

### Methods and material for containment and cleaning up

**Methods for Containment** Prevent further leakage or spillage if safe to do so. Soak up and contain spill with an absorbent material.

**Methods for Clean-Up** Reclaim where possible. Sweep up absorbed material and shovel into suitable containers for disposal.

## 7. HANDLING AND STORAGE

### Precautions for safe handling

**Advice on Safe Handling** Handle in accordance with good industrial hygiene and safety practice. Use personal protective equipment as required. Wash face, hands and any exposed skin thoroughly after handling. Avoid contact with skin, eyes or clothing. Wear appropriate personal protective equipment. Do not breathe dust/fume/gas/mist/vapors/spray.

### Conditions for safe storage, including any incompatibilities

**Storage Conditions** Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from incompatible materials, open flames, and high temperatures.

**Incompatible Materials** Strong oxidizing agents. Strong acids. Strong bases.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Exposure Guidelines

This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies

**Appropriate engineering controls**

**Engineering Controls** Maintain eye wash fountain and quick-drench facilities in work area.

**Individual protection measures, such as personal protective equipment**

**Eye/Face Protection** Wear safety glasses with side shields (or goggles). Refer to 29 CFR 1910.133 for eye and face protection regulations.

**Skin and Body Protection** Wear protective gloves and protective clothing. Reference Wiley's "Quick Selection Guide to Chemical Protective Clothing". Refer to 29 CFR 1910.138 for appropriate skin and body protection.

**Respiratory Protection** If necessary, wear a MSHA/NIOSH-approved respirator. Refer to 29 CFR 1910.134 for respiratory protection requirements.

**General Hygiene Considerations** Handle in accordance with good industrial hygiene and safety practice.

**9. PHYSICAL AND CHEMICAL PROPERTIES****Information on basic physical and chemical properties**

Physical state	Liquid	Odor	Chlorine Bleach
Appearance	Clear yellow liquid	Odor Threshold	Not determined
Color	Clear to yellow		
<b><u>Property</u></b>	<b><u>Values</u></b>	<b><u>Remarks • Method</u></b>	
pH	13.0		
Melting point / freezing point	-18 °C / -1 °F		
Boiling point / boiling range	106 °C / 222 °F		
Flash point	Not determined		
Evaporation Rate	Not determined		
Flammability (Solid, Gas)	Liquid-Not applicable		
Flammability Limit in Air			
Upper flammability or explosive limits	Not determined		
Lower flammability or explosive limits	Not determined		
Vapor Pressure	65.38 (55°C)		
Vapor Density	Not determined		
Relative Density	Not determined		
Water Solubility	Soluble in water		
Solubility in other solvents	Not determined		
Partition Coefficient	Not determined		
Autoignition temperature	Not determined		
Decomposition temperature	Not determined		
Kinematic viscosity	Not determined		
Dynamic Viscosity	Not determined		
Explosive Properties	Not determined		
Oxidizing Properties	Not determined		

**10. STABILITY AND REACTIVITY****Reactivity**

Not reactive under normal conditions.

**Chemical stability**

Stable under recommended storage conditions.

**Possibility of hazardous reactions**

None under normal processing.

**Hazardous Polymerization**

Under normal conditions of storage and use, hazardous polymerization will not occur.

**Conditions to Avoid**

Heat, sparks, flames. Incompatible Materials. Contact with acids liberates toxic gas.

**Incompatible materials**

Strong oxidizing agents. Strong acids. Strong bases.

**Hazardous decomposition products**Carbon monoxide. Carbon dioxide (CO<sub>2</sub>).**11. TOXICOLOGICAL INFORMATION****Information on likely routes of exposure****Product Information****Eye Contact**

Causes serious eye damage.

**Skin Contact**

Causes severe skin burns.

**Inhalation**

May cause irritation if inhaled.

**Ingestion**

Ingestion causes acute irritation and burns to the mucous membranes of the mouth, trachea, esophagus and stomach. May cause nausea, vomiting, stomach ache, and diarrhea.

**Component Information**

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Sodium hypochlorite 7681-52-9	= 8.91 g/kg ( Rat )	> 10000 mg/kg ( Rabbit )	-

**Symptoms related to the physical, chemical and toxicological characteristics****Symptoms**

Please see section 4 of this SDS for symptoms.

**Delayed and immediate effects as well as chronic effects from short and long-term exposure****Carcinogenicity**

Based on the information provided, this product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

Chemical name	ACGIH	IARC	NTP	OSHA
Sodium hypochlorite 7681-52-9		Group 3		

**Legend**

IARC (International Agency for Research on Cancer)

Group 3 IARC components are "not classifiable as human carcinogens"

**Numerical measures of toxicity**

The following values are calculated based on chapter 3.1 of the GHS document Values exceed classification criteria.

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

Very toxic to aquatic life with long lasting effects.

Chemical name	Algae/aquatic plants	Fish	Crustacea
Sodium hypochlorite 7681-52-9	0.095: 24 h <i>Skeletonema costatum</i> mg/L EC50	4.5 - 7.6: 96 h <i>Pimephales promelas</i> mg/L LC50 static 0.05 - 0.771: 96 h <i>Oncorhynchus mykiss</i> mg/L LC50 flow-through 0.18 - 0.22: 96 h <i>Oncorhynchus mykiss</i> mg/L LC50 static 0.4 - 0.8: 96 h <i>Lepomis</i> <i>macrochirus</i> mg/L LC50 static 0.28 - 1: 96 h <i>Lepomis macrochirus</i> mg/L LC50 flow-through 0.03 - 0.19: 96 h <i>Oncorhynchus mykiss</i> mg/L LC50 semi-static 0.06 - 0.11: 96 h <i>Pimephales promelas</i> mg/L LC50 flow-through	2.1: 96 h <i>Daphnia magna</i> mg/L EC50 0.033 - 0.044: 48 h <i>Daphnia</i> <i>magna</i> mg/L EC50 Static
Proprietary Surfactant		134: 96 h <i>Danio rerio</i> mg/L LC50 semi-static	

### Persistence/Degradability

Not determined.

### Bioaccumulation

There is no data for this product.

### Mobility

Not determined

### Other Adverse Effects

Not determined

## 13. DISPOSAL CONSIDERATIONS

### Waste Treatment Methods

#### **Disposal of Wastes**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

#### **Contaminated Packaging**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

## 14. TRANSPORT INFORMATION

### Note

This corrosive material, as per 49 CFR §173.154 and when the product meets the packaging requirements of 49 CFR §173.154 (b)(2) [inner packagings not over 5.0 L (1.3 gallons) net capacity each for liquid] is excepted from labeling and placarding requirements so long as the material is not offered for transport by aircraft.

### DOT

UN/ID No

Limited Quantity

UN1791

Proper Shipping Name

Hypochlorite solution

Hazard class

8

Packing Group

III

**IATA**

UN number UN1791  
 Proper Shipping Name Hypochlorite solution  
 Transport hazard class(es) 8  
 Packing Group III

**IMDG**

UN number UN1791  
 Proper Shipping Name Hypochlorite solution  
 Transport hazard class(es) 8  
 Packing Group III

**15. REGULATORY INFORMATION****International Inventories**

Chemical name	TSCA	TSCA Inventory Status	DSL/NDSL	EINECS/ELINCS	ENCS	IECSC	KECL	PICCS	AICS
Sodium hypochlorite	X	ACTIVE	X	X	X	X	X	X	X
Proprietary Surfactant	X	ACTIVE	X	X	X	X	X	X	X

**Legend:**

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory  
**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List  
**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances  
**ENCS** - Japan Existing and New Chemical Substances  
**IECSC** - China Inventory of Existing Chemical Substances  
**KECL** - Korean Existing and Evaluated Chemical Substances  
**PICCS** - Philippines Inventory of Chemicals and Chemical Substances  
**AICS** - Australian Inventory of Chemical Substances

**US Federal Regulations****CERCLA**

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

Chemical name	Hazardous Substances RQs	CERCLA/SARA RQ	Reportable Quantity (RQ)
Sodium hypochlorite 7681-52-9	100 lb		RQ 100 lb final RQ RQ 45.4 kg final RQ

**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

**CWA (Clean Water Act)**

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

Chemical name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Sodium hypochlorite	100 lb			X

**US State Regulations****California Proposition 65**

This product does not contain any Proposition 65 chemicals.

**U.S. State Right-to-Know Regulations**

Chemical name	New Jersey	Massachusetts	Pennsylvania
Sodium hypochlorite 7681-52-9	X	X	X

**16. OTHER INFORMATION****NFPA****Health Hazards****Flammability****Instability****Special Hazards**

3

0

0

Not determined

**HMIS****Health Hazards****Flammability****Physical hazards****Personal Protection**

3

0

0

X

Issue Date: 14-Feb-2020

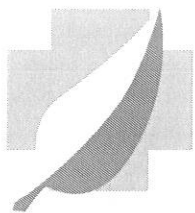
Revision Date: 17-Feb-2020

Revision Note: New format

**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet



# Product Data

## Benefect BOTANICAL DISINFECTANT

### PRODUCT DESCRIPTION

Botanical Disinfectant, Fungicide, Virucide\*,  
Tuberculocide, Cleaner and Deodorizer  
Product Number: 20475

Benefect® Disinfectant is the first and only Botanical Hospital Disinfectant and Fungicide registered with the E.P.A. for control against gram-negative and gram-positive bacteria (MRSA, Salmonella enterica, Staphylococcus aureus & Pseudomonas aeruginosa), fungi (Trichophyton mentagrophytes), \*virus (HIV-1, the AIDS virus) and tuberculosis (Mycobacterium tuberculosis).

Benefect is EPA registered as a No Rinse No Wipe product. Just Spray and Walk Away.™ There are no label warnings or precautionary statements for use or disposal. Personal Protective Equipment is not required, making Benefect Disinfectant an ideal choice for home and business owners and restoration technicians.

### PHYSICAL PROPERTIES

- **Packaged:** 1 gallon jug
- **Weight per Gallon:** 8.5 lbs.
- **Appearance:** Light tan
- **Odor:** Lemon & Spice
- **Flash Point:** (°C, TCC): None
- **pH:** 4.0 – 5.0
- **PPE:** NONE Required

HMIS RATING	
HEALTH	0
FLAMMABILITY	0
REACTIVITY	0

Ideal for many applications including grey or black water damage, mold remediation, body cleanup, carpet deodorizing and anywhere else germs or odor control is required. Very effective on organic matter. Used by industry leading professionals since 2000. Do the job right... the first time.

Benefect is also suitable for nursing homes, hospitals, schools, universities, health clubs, boarding or breeding kennels, sports equipment, food preparation facilities, or any other residential commercial or medical application where high risk or chemically-sensitive individuals may be present.

- **Shelf Life:** Best If Used Before 3 Years
- **EPA Reg. Number:** 84683-1-74771
- **Electrical Charge:** Non-anionic
- **Coverage per Gallon:** 1000-1200 square feet
- **Active Ingredients:** Thymol present as a component of Thyme oil
- **Freeze Thaw Stable:** Yes

**STORAGE:** Store airtight at room temperature. If product freezes, let thaw at room temperature.

**WASTE DISPOSAL:** No special handling or disposal instructions. Dispose of down drain or absorb and place in trash. Comply with federal, state, and local government regulations, if any. Recycle empty container.

## APPLICATION PROCEDURES:

Do not dilute this ready-to-use product.

**TO CLEAN:** 1. Shake, apply *Benefect* and wipe away.

**TO DISINFECT:** 1. Shake and pour *Benefect* into pump sprayer, mop, brush, cloth or sponge.

2. Wet the surface with *Benefect* (testing for compatibility first is always recommended).

3. Leave for 10 minutes; allow to air dry. No rinsing or wiping is required.

**TO DEODORIZE:** 1. Shake, apply *Benefect* and allow to air dry. Rinsing or wiping is not required.

## APPLICATIONS:

**Water Damage Restoration:** This product is ideal for restoration contractors to disinfect any hard, non-porous surface such as contaminated water damaged construction materials. It also controls & inhibits odor causing water-born bacteria, mold & other odor causing organisms on a variety of porous and semi-porous materials including: wood studding, subfloors, trim, lumber, tack strips, concrete and paneling. Also suitable for deodorizing such surfaces as carpeting, carpet under-pad and other semi-porous furnishings.

**Grey or Black Water (Sewage) Damage & Trauma:** *Benefect* Botanical Disinfectant is appropriate for use in sewage and trauma scene clean up. This product is registered with the EPA as effective against blood borne / body fluid pathogens including *Mycobacteria tuberculosis* (TB) and the HIV-1 virus. Many disinfectants are inactivated by organic matter however, *Benefect's* Active Ingredient, thyme oil, will remain active in organic matter.

**Mold Remediation:** Best used as a wipe application to remove surface molds and as a spray after remediation procedure is complete to control any remaining molds. Should be used with proper remediation protocols, as all molds should be removed from affected areas to ensure health and safety of building occupants.

**HVAC:** *Benefect* Disinfectant is suitable for HVAC applications including coils & drain pans of HVAC & R equipment, air conditioning & refrigeration equipment & heat pumps. HVAC labeling and instructions are available from [www.Benefect.com](http://www.Benefect.com)

## EFFECTS OF ACUTE EXPOSURE: None

**Eye:** No effect as per FIFRA CFR 10 Part 162.10

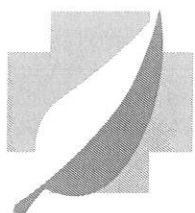
**Skin:** No effect as per FIFRA CFR 10 Part 162.10

**Ingestion:** No effect as per FIFRA CFR 10 Part 162.10

**Inhalation:** No effect as per FIFRA CFR 10 Part 162.10

**DISCLAIMER:** The information contained herein is believed to be accurate and also represents the best information obtained by the manufacturer and recognized technical sources. Health and safety precautions in this data sheet may not be adequate for all individuals and product uses. It is the user's obligation to evaluate the information contained in this sheet along with the safe uses of the product. Good personal hygienic practices should be followed.

Sensible Life Products assumes no responsibility for injury or damage from the use of *Benefect* Broad Spectrum Disinfectant that in any way differs from what is provided in the label directions.



## Product Data

# Benefect® Decon 30 Disinfectant

### PRODUCT DESCRIPTION

Botanical Disinfectant, Bactericide, Virucide\*,  
Fungicide, Cleaner and Disinfectant  
Product Number: 20476

HMIS RATING	
HEALTH	0
FLAMMABILITY	0
REACTIVITY	0

Benefect® Decon 30 Disinfectant is EPA registered for control against gram-negative and gram-positive bacteria: Pseudomonas, Salmonella, Staphylococcus, MRSA, E. coli O157. Mold/Mildew/Spores: Trichophyton, Aspergillus, Candida. Viruses: Flu A, H1N1, Avian Flu, Rhinovirus, HIV and other odor-causing microorganisms. Not susceptible to antimicrobial resistant-bacteria.

Benefect Decon 30 is a ready-to-use product that is not required to be rinsed or wiped off after application. *Just Spray and Walk Away.*™ There are no human health warnings or precautionary statements for use or disposal. Personal Protective Equipment is not required to apply the product, making Benefect Decon 30 an ideal choice for contractors, commercial cleaners, homeowners, employers, mold remediators and restoration technicians.

Ideal for many applications including residential and commercial cleaning, carpet sanitization & deodorizing, home contents cleaning, food service areas, water damage, mold remediation and anywhere else germs or odor control is required. It is also very effective on organic matter.

Effectively eliminates odors produced by odor-causing bacteria, fungi & other odor-causing organisms on porous surfaces, concrete, wood framing & studding, trim, bedding, upholstery furniture, carpet, pads & subfloors. Provides residual deodorizing activity with no harsh fumes.

Suitable for disinfecting hard, nonporous surfaces (metals, glass, fiberglass, plastic, vinyl and similar polymers, tiles, painted or sealed surfaces, finished woodwork, laminated surfaces, marble, and similar stone or stone-like composites) including: household contents, remediation equipment & PPE (Personal Protective Equipment), floors, vertical surfaces (sanitize in 30 seconds), walls, construction materials such as water damaged or sewage contaminated sheet metal, sealed wallboard or wood, shoes & boot soles, coils & drain pans of HVAC & R equipment, food preparation surfaces, cutting boards, countertops, tables, sinks, toilet seats, fixtures, cabinets, door knobs & handles, bed frames & rails, computer keyboards & mice, garbage cans, children's toys, highchairs, changing tables, pet areas, prostheses & orthotics, sports equipment such as jock cups & helmets.

## PHYSICAL PROPERTIES

- **Packaged:** 1 gallon, 4 oz
- **Weight per Gallon:** 3.85kg
- **Appearance:** Clear
- **Scent:** Lemon & Thyme
- **Flash Point:** (°C, TCC): None
- **pH:** 4.0 – 5.0
- **PPE:** NONE Required
- **Shelf Life:** Best If Used Before 3 Years
- **EPA #** 84683-3-74771
- **Electrical Charge:** Non-anionic
- **Coverage per Gallon:** 1000-1200 square feet
- **Active Ingredients:** Thymol (present as a component of Thyme oil) 0.05%
- **Freeze Thaw Stable:** Yes

## APPLICATIONS:

**General Cleaning & Disinfecting:** Decon 30 is ideal for cleaning, disinfecting and deodorizing in commercial or residential environments. It cleans and sanitizes in 30 seconds making it a fast and effective product for infection control.

### **Porous Materials:**

Decon 30 controls & inhibits odor causing bacteria, mold & other organisms on a variety of porous and semi-porous materials including: wood studding, subfloors, trim, lumber, tack strips, concrete and paneling. Also suitable for deodorizing such surfaces as carpeting, carpet underpad and other semi-porous furnishings.

**Grey or Black Water (Sewage) Damage:** Do not dilute this ready-to-use product. Pre-clean the surface first. Wet the surface with the spray and leave for 10 minutes. Do not rinse or wipe away.

**Mold Remediation:** Best used as a wipe application to remove surface molds and as a spray after remediation procedure is complete to control any remaining mold. This product should be used in conjunction with proper remediation protocols. All mold should be removed from affected areas to ensure health and safety of building occupants.

## APPLICATION PROCEDURES

**TO CLEAN:** 1. Wet the surface (spot test to check surface compatibility) and wipe clean.

**TO DEODORIZE:** 1. Wet the surface (spot test to check surface compatibility). 2. Allow to air-dry. No rinsing or wiping is required.

**TO DISINFECT:** 1. Wet the surface by sprayer (high or low pressure, hand or power operated), cloth, sponge or mop (spot test to check surface compatibility). 2. Leave for 10 minutes. Allow to air-dry. No rinsing or wiping is required. For heavily soiled surfaces pre-cleaning is required

**TO SANITIZE:** 1. Wet the surface (spot test to check surface compatibility). 2. Leave for 30 seconds. Allow to air-dry. No rinsing or wiping is required.

**TO SANITIZE & DEODORIZE CARPETS:** Apply to the pre-cleaned carpet area by wand, sprayer, extractor, spin bonnet or immersion processes until saturated (spot test fibers for colorfastness before use). Scrub or agitate the carpet as needed to ensure the test substance is delivered throughout the carpet pile and backing. Extract & allow to air dry.

**FOGGING INSTRUCTIONS:** For ULV fogging in contained vacant areas as part of restoration, decontamination & remediation for preliminary cleaning & contamination control, as a supplement to final cleaning and disinfection. Fogging is an adjunct to normal disinfection procedures in areas that can be closed off so that fog is confined to the area to be treated. This is a ready-to-use product; do not dilute. After setting up fogging device, seal all windows & doors & leave area during the treatment time recommended by the device manufacturer. Do not enter the fogged area until the fog has completely settled or exhausted. After fogging cycle is complete, fully ventilate the treated area until suspended product is purged prior to re-entry. Do not use equipment in the fogged area until the treatment has dried. After fogging pre-treatment, follow the product label's cleaning & disinfection directions.

**SPECIAL DIRECTIONS FOR CLEANING & DECONTAMINATING AGAINST HIV** on surfaces/objects where the virus is expected to be encountered such as contamination by blood or body fluids: **Personal Protection:** Appropriate contaminant barrier protection should be worn, such as disposable gloves, gowns & masks. **Cleaning Procedures:** Bodily fluids containing HIV must be thoroughly cleaned from surface/objects prior to application of Benefect Disinfectant. **Contact Time/Concentration:** Shake well and wet the surface with the spray (test for surface compatibility first). Leave for 10 minutes. **Disposal of Infectious Materials:** All cleaning materials & waste should be autoclaved & disposed of according to local regulations for infectious waste disposal.

**EFFECTS OF ACUTE EXPOSURE:** None

**Eye:** No effect (as per FIFRA CFR 10 Part 162.10)

**Skin:** No effect (as per FIFRA CFR 10 Part 162.10)

**Ingestion:** No effect (as per FIFRA CFR 10 Part 162.10)

**Inhalation:** No effect (as per FIFRA CFR 10 Part 162.10)

**STORAGE:** Store airtight at room temperature.

**WASTE DISPOSAL:** No special handling or disposal instructions. Dispose of in accordance with federal, state, and local government requirements prior to disposal. Recycle empty container.

**DISCLAIMER:** The information contained herein is believed to be accurate and also represents the best information obtained by the manufacturer and recognized technical sources. Health and safety precautions in this data sheet may not be adequate for all individuals and product uses. It is the user's obligation to evaluate the information contained in this sheet along with the safe uses of the product. Good personal hygienic practices should be followed.

Sensible Life Products assumes no responsibility for injury or damage from the use of Benefect Botanical Disinfectant that in any way differs from what is provided in the label directions.

Benefect<sup>®</sup> Disinfectant is manufactured and distributed by:

Sensible Life Products 555 Bay St. North, ON CA L8L 1H1

Toll Free: (800) 909-2813 Telephone: (905) 528-7474 Fax: (905) 528-7477

<http://www.Benefect.com>



# Product Data

## Benefect<sup>®</sup> ATOMIC DEGREASER

### PRODUCT DESCRIPTION

Botanical Degreaser, Fire & Soot Cleaner and Deodorizer  
Product Number: 80475

HMIS RATING	
HEALTH	1
FLAMMABILITY	0
REACTIVITY	0

Atomic Degreaser is a solvent-free, high performance Botanical Degreaser & Cleaner Concentrate formulated to remove particulate at the atomic level with minimal agitation. It is ideal for fire & smoke damaged contents & surfaces commonly found in fire or water damaged sites such as: walls, floors, ceilings, cupboards, appliances, wood, metal, tile, etc. Based on next-generation dynamic chemistry using only botanically-based ingredients, it is readily biodegradable & safe to use around children, pets & the chemically-sensitive.

Atomic Degreaser contains no V.O.C.s, solvents, dyes, fragrances, petrochemicals, phosphates, EDTA, NTA, alkyl/nonyl phenols or other hazardous or unnecessary ingredients.

### PHYSICAL PROPERTIES

- **Packaged:** Gallons/Liters (4/case)
- **Weight per Gallon:** 8.5 pounds/4 kg
- **Appearance:** Clear
- **Odor:** Odorless, Slight Detergent
- **Flash Point:** (°C, TCC): None
- **pH:** (100%) 10.9 – 11.0
- **PPE:** Gloves & safety glasses recommended due to concentrated surfactants.

### APPLICATION PROCEDURES

**Contents & Light Soot:** Dilute with between 2 and 4 ounces of Atomic Degreaser with 1 gallon of water (15-30ml per L) and apply by brushing, spraying or mopping. Allow solution to stand for 5 minutes. Wipe off or rinse.

**Heavy & Slimy Soot or Grease:** Mix between 16 ounces (120ml) & full strength of Atomic Degreaser per gallon of water. Wipe off or rinse.

Ideal for use in commercial kitchens for removal of heavy grease in: convection ovens, fume hoods, pot & pans, stainless steel materials, racking and around grills. Also ideal for removal of filtration lines on carpet.

### FIRST AID

**Eye:** Flush with cool water. Remove contact lenses, if applicable, and continue flushing. Obtain medical attention if irritation persists.

**Skin:** Flush with cool water. Wash with soap and water. Obtain medical attention if irritation persists.

**Ingestion:** Do not induce vomiting. Rinse mouth with water then drink one or two glasses of water. Obtain medical attention. Never give anything by mouth if victim is unconscious or is convulsing.

**DISCLAIMER:** The information contained herein is believed to be accurate and also represents the best information obtained by the manufacturer and recognized technical sources. Health and safety precautions in this data sheet may not be adequate for all individuals and product uses. It is the user's obligation to evaluate the information contained in this sheet along with the safe uses of the product. Good personal hygienic practices should be followed. Sensible Life Products assumes no responsibility for injury or damage from the use of Benefect Atomic Cleaner that in any way differs from what is provided in the label directions.



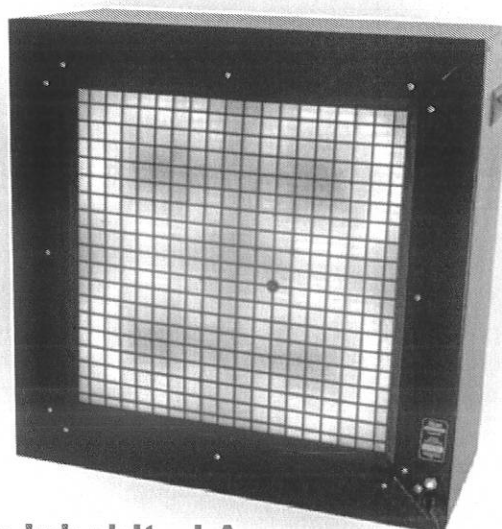
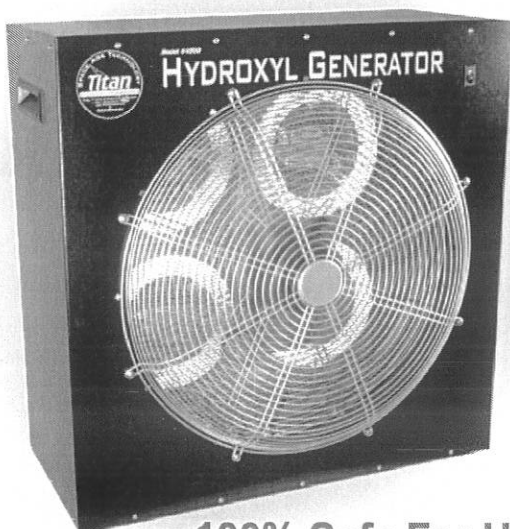
# Titan

SPACE AGE TECHNOLOGY

## TiO<sup>2</sup> PHOTOCATALYTIC HYDROXYL GENERATOR SAFE / CHEMICAL FREE AIR PURIFICATION & DEODORIZATION

**What Do You Do When You Have To Deodorize Or Decontaminate  
While Your Crew Is Working Or Your Customer Can't Leave?**

***Titan Is Your Answer***



**100% Safe For Use In Inhabited Areas**

### Model #4000

**Air Purifier  
&  
Deodorizer**

Voltage  
Cycles  
Amperage  
Fan Output  
Max. Treatment Area  
Dimensions  
Weight  
Filtration

110 Volt  
50/60 Hertz  
4 Amp  
5,000 CFM Max.  
40,000 Cubic Feet  
26" x 26" x 12"  
38 lbs.  
20" x 20" x 1" Washable  
Electrostatic / 94% Effective

**Air Mover  
&  
Air Scrubber**

### REMOVE ODORS - KILL GERMS - CLEAN THE AIR

The 365nm to 385nm UVA Rays emitted from Titan's TiO<sup>2</sup> Photocatalytic Lamps pass through a Permanent Anatase TiO<sup>2</sup> Coated Super Reactor Screen which is designed to hold the maximum amount of Highly Reactive Nano Sized Anatase Titanium Dioxide, and as a result, electron hole pairs are formed that react with H<sub>2</sub>O and O<sub>2</sub> in the air and produce Free Electrons and Hydroxyl Radicals that when dispersed by the fan will decompose organic and inorganic gases and air pollutants into carbon dioxide and water.

**THE LARGEST ADVANTAGE TO THE TITAN AIR PURIFICATION & DEODORIZATION SYSTEM IS THAT IT  
PRODUCES NO OZONE AND IS 100% SAFE TO RUN IN INHABITED AREAS.**

The market for the Titan is unlimited. Fire and Flood Damage Restoration, Doctor's Waiting Areas, Nursing Homes, Day Care Centers, Restaurants, Night Clubs, Beauty Parlors, Etc... Etc... can all benefit from the odor and germ destroying properties of Titan's TiO<sup>2</sup> Photocatalytic process which will clean the air, remove odors and eliminate poisonous gases and organic pollutants.

Another advantage of the Titan TiO<sup>2</sup> Photocatalytic Lamp is that it is self-cleaning and will perform at its optimum for a period of up to 8000 hours.

# SON

## Sonozaire® Odor Neutralizer

### Model 5G

A New Model of Sonozaire Odor Neutralizer  
Produces 5 gm/hr of Ozone

Designed specifically for the cleaning and restoration industry!

#### Treat:

- Fire damage
- Mold Remediation
- Pet Odors
- Hotel/Motel Rooms
- Vehicles of All Sizes
- Plus many more



#### Benefits:

- Small & Lightweight
- High ozone output
- Reduced treatment time
- 12-Hour timer w/ continuous-on feature
- Minimal maintenance

PART# A537

*With a high CFM and compact size, the model 5G is a perfect fit for restoration companies, hotel/motel owners, auto detailers, etc. The model 5G is a powerful ozone generator designed to destroy and quickly eradicate on-site odor problems. This heavy duty ozone unit has been designed for the professional user, so don't be surprised if the treatment time is less than you expect. The unit operates by simple adjustment of a 12-hour timer.*

Application	Treatment Volume	Cabinet Size	Electrical	Blower
On-site Restoration	5,000 to 150,000 cu ft	12" L x 10" W x 10" H	120VAC, 60Hz, 140W	238 CFM

SON Models are industrial ozone generators designed to be utilized in uninhabited areas or in volumes limited by OSHA regulations.

**HYDRO-FORCE** • 542 West Confluence Ave, Salt Lake City, UT 84123  
(801)-261-1282 • Toll Free 1-800-658-5314 • Fax: (801)268-3856



## MEMBRANE USE

The Vapor Shark is designed for use with Vaportek approved replacement membranes only. Use of non-approved replacement membranes will void warranty coverage. For best results, store membranes in a cool, dry location and keep away from extreme heat. Replace membranes after 270 hours of use. The membrane is sealed. Do not puncture or open the membrane. We recommend 3X Industrial and/or S.O.S./Smoke Odor Solution replacement membranes.

**\*Note:** Lemon membranes are recommended for use with 3X Industrial membranes for odor control with a lighter scent. Because Lemon does not contain the same odor neutralizing capabilities of S.O.S. and 3X Industrial, it is *not* recommended for use by itself.

### Five Year Limited Warranty

Vaportek warrants this unit to be free from defects in workmanship and materials, under normal use and service, for five years from date of purchase by the original purchaser. If, at any time during the warranty period, the product is found to be defective or malfunctions, Vaportek will either repair or replace the defective part(s) at its discretion. Warranty does not apply if it is shown by Vaportek that the defect or malfunction was caused by unauthorized modifications, neglect, or abuse by the consumer. Further, any costs incurred by consumer due to unauthorized changes made to the product will not be covered by Vaportek. This warranty does not cover any other charges incurred by the consumer. Vaportek's sole responsibility is to repair or replace product within the terms stated above.

Vaportek shall not be liable for any consequential damages resulting from any breach of warranty, expressed or implied, applicable to this product. Some states do not allow the exclusion or limitation of consequential damages, so this limitation may not apply to you.

This warranty is in lieu of all other warranties, expressed or implied. The warranties of merchant ability and fitness for a particular purpose are hereby excluded beyond the five year duration of this warranty. Some states do not allow limitation on how long an implied warranty lasts, so the above limitation may not apply to you. This warranty gives you specific legal rights, and you may also have other rights which can vary from state to state. This warranty applies only to products sold and used in the United States and Canada. Goods submitted for repair under this warranty must be sent, freight prepaid, to Vaportek, Inc. Call first for a return authorization number.

For service advice, contact your dealer or

**VAPORTEK®** 

P: 800.237.6367 | F: 262.246.5065

www.vaportek.com | info@vaportek.com

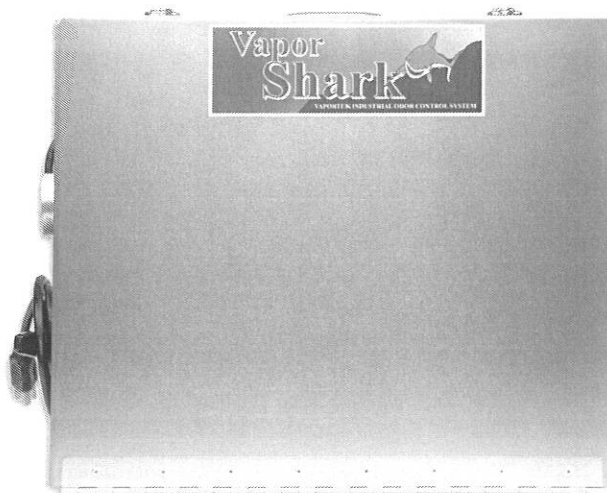
W226 N6339 Village Drive, Sussex, WI 53089 USA

#50-2001A

Rev. 12/20

## USE AND OPERATING INSTRUCTIONS FOR THE VAPOR SHARK®

### 230V



### Vapor Shark® *Powerful Industrial Odor Control*

The Vapor Shark is intended for delivering a fast, high-intensity treatment. Treats atmosphere, contents, and structures simultaneously.

#### **Economical**

Membranes last for multiple jobs.

#### **Easy-to-Use**

Just remove membrane from barrier bag, unfold, and lay in rack.

#### **Works Fast**

Odor neutralizer is immediate and permanent.

Proudly made in the USA



## THANK YOU

Thank you for purchasing the Vapor Shark by Vaportek. The unit is an easy-to-use, portable system. It treats areas up to 50,000 ft<sup>3</sup> (10,000 ft<sup>3</sup> per membrane and unit is designed to hold up to five membranes) to effectively eliminate odor contamination quickly and safely. The unit is primarily intended for delivering a fast, high-intensity, odor-neutralizing treatment. A characteristic neutralizer fragrance will be noticeable during operation as the essential oil dry vapor circulates throughout the treatment area. Residual fragrance will dissipate in a matter of hours after treatment ends. With proper care, your Vapor Shark will provide you years of trouble-free service. Please read these use and operating instructions carefully before operating your new machine and keep it for future reference.

## SUGGESTED USES

### SMOKE/FLOOD DAMAGE

Close outside windows and doors. Open interior doors and expose contaminated areas to neutralizing dry vapor as much as possible. Let unit run several hours or overnight (may require even longer treatment depending on severity of odor damage).

### CONTENTS RESTORATION

Place unit in a deodorizing chamber, or tent contaminated items, and allow neutralizing dry vapor to penetrate. Safe for electronics, leather, elastics, and other valuable or sensitive items.

### ALSO IDEAL FOR:

- ◆ Real Estate/Foreclosures
- ◆ Hydroponic/Grow Rooms
- ◆ Crime Scene/Bioremediation
- ◆ Manufacturing/Industrial Settings
- ◆ Animal/Veterinary Facilities

**Ratings:**  
16W  
50/60Hz  
230V



## INSTRUCTIONS

Place on a firm, stable surface in a relatively high location. Can be used freestanding or permanently installed to air handling systems. For initial treatment, open air inlet to a half-inch. After 10-15 minutes, adjust air inlet as necessary to either reduce vapor output (close inlet) or increase vapor output (open farther). When unit is not in use, membrane life may be extended by securely closing the air inlet opening and the front access door. Deodorization may require as little as 15-60 minutes for light contamination. For more severe contamination, treatment may take several hours or days.

## IMPORTANT

As with any powered tool, certain precautions for safe and efficient use apply. Please follow these rules and recommendations when using the Vapor Shark:

1. Use Vaportek approved accessories only.
2. If the supply cord is damaged, it must be replaced by the manufacturer, its service agent, or a similarly qualified person in order to avoid a hazard.
3. The membrane is sealed. Do not puncture or open the membrane.
4. Do not allow membrane oils to come in contact with finished surfaces. Finished surfaces may be damaged by direct contact with oils. If oils should leak, wash affected skin, clothes, and/or surfaces with soapy water.
5. For best results, store membranes in a cool, dry location and keep away from extreme heat.
6. Replace membranes after 270 hours of use.
7. Dry vapor output will be affected by humidity, airflow, and temperature. Ideal dry vapor release occurs at 50-80°F. Vapor release significantly increases in excess of 90°F.
8. To extend membrane life, securely close the air inlet opening and the front access door when not in use.
9. Do not immerse or use where contact with water may occur.
10. Do not alter the plug or change the electrical wiring.
11. If unit appears to malfunction, unplug or turn it off immediately. Contact your dealer or Vaportek for service advice.
12. Vaportek products use natural essential oils. If an allergic reaction occurs, please discontinue use immediately.
13. To accelerate the dissipation period of the characteristic Vaportek fragrance, open windows and turn on floor fans.
14. This system provides a safe, effective *alternative* to ozone. It is *not* recommended for use with ozone generating equipment.
15. Not designed for continuous, long-term operation.
16. Use standard disinfectant wipes to clean water safe surfaces.

## Vapor Shark®

Fig. 1

Unlatch case & pull out membrane rack.

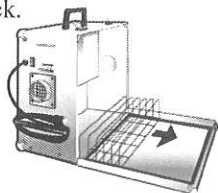


Fig. 2

Remove membrane from outer plastic shipping bag. Unfold membrane & place into the rack.

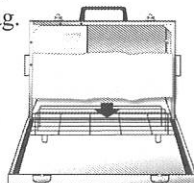
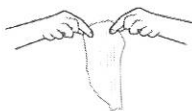


Fig. 3

Adjust air inlet by rotating dial clockwise to loosen lever. Move the lever up & down to adjust air flow.

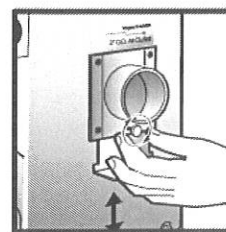


Fig. 4

Plug the Vapor Shark into a 230V outlet.

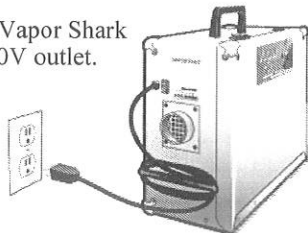
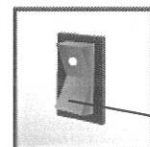


Fig. 5

Click the On/Off button into the On position.



On