

# Material Safety Data Sheet

HMIS®

HEALTH 3 REACTIVITY 0  
 FLAMMABILITY 3 PERSONAL PROTECTION B

**Identity: Tough Guy Disinfectant Deodorizer**  
**Part number: 2DBX7**

*Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.*

## SECTION 1: Company Identification

<b>Manufactured For:</b> W.W. Grainger, Inc.	<b>Emergency Telephone Number</b> 1-800-228-5635
<b>Address (Number, Street, City, State, and ZIP Code)</b> 100 Grainger Parkway	<b>Telephone Number for Information</b> 1-847-535-5400
Lake Forest, IL 60045	<b>Signature of Preparer (Optional)</b>

## SECTION 2: Ingredients/Identity Information

Components (Chemical Identity, Common Name(s))	CAS No.	OSHA PEL	ACGIH-TLV	Other Limits Recommended	% (Opt.)
Ethyl Alcohol	64-17-5	1000 ppm	1000 ppm		60 – 100%
Water	7732-18-5	None Estab.	None Estab.		15 – 40%
O-Phenylphenol	90-43-7	None Estab.	None Estab.		< 1%

Any substance listed as hazardous by the States of California, Florida, Illinois, Michigan, New Jersey, Ohio, Pennsylvania or Texas is described above if known present in regulated concentrations.

## SECTION 3: Hazards Identification

Route(s) of Entry	Eyes?	Inhalation?	Skin?	Ingestion?
	Yes	No	Yes	Yes

**Acute Health Hazards** - Danger. Flammable. Corrosive. Causes eye damage. Harmful or fatal if swallowed. Causes skin irritation. Follow good chemical hygiene practices to avoid these hazards.

**Chronic Health Hazards** - None known

### Carcinogenicity:

<b>Chemical:</b> None	<b>OSHA:</b> No	<b>NTP:</b> No	<b>IARC:</b> No
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**Signs and Symptoms of Exposure** - Redness, tearing or burning in eyes. Redness, drying or cracking skin. Nausea or vomiting if ingested.

**Medical Conditions Generally Aggravated by Exposure** - Pre-existing skin conditions may be adversely affected.

## SECTION 4: Emergency and First Aid Procedures:

**Eyes** - Immediately flush with copious amounts of water, lifting eyelids to insure complete removal for at least 15 minutes. Consult a physician.

**Ingestion** - Immediately drink a large quantity of water. Contact a physician immediately.

**Inhalation** - Get to fresh air. If unconscious, qualified personnel should administer artificial respiration.

**Skin** - Flush with water for 15 minutes minimum. If irritation persists, consult a physician.

## SECTION 5: Fire Fighting Measures

<b>Flash Point (Method Used)</b> 63° F (PMCC)	<b>Flammable Limits</b> No Data	<b>LEL</b> No Data	<b>UEL</b> No Data
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**Extinguishing Media** - Carbon dioxide, dry chemical, foam, fog, or water spray.

**Special Fire Fighting Procedures** - Keep containers cool and vapors down with water spray. Prevent runoff from entering sewers and public waterways. Wear SCBA in chemical fires.

**Hazardous Products of Combustion**- Carbon dioxide, carbon monoxide, formaldehyde

**Unusual Fire and Explosion Hazards** – Flammable Liquid.

## SECTION 6: Accidental Release Measures

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**Small Spill** - Wipe up small releases with a dry absorbent cloth or other absorbent material.

**Large Spill** – Eliminate ignition sources. Ventilate area and block traffic. Absorb liquid with vermiculite, absorbent cloth, or other absorbent material. Prevent material from entering sewers or drains. Transfer contaminated material into suitable container for proper disposal.

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## **SECTION 7: Handling and Storage**

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**Handling** - Do not get in eyes. Do not get on skin or on clothing. Do not use around ignition sources such as heat, sparks, open flame, etc. Do not swallow. Avoid inhaling mist.

**Storage** – Store in a cool well ventilated area. Keep away from heat sources. Keep out of reach of children. Keep container tightly sealed when not in use. Keep from freezing. Do not contaminate water, food, or feed by storage or disposal. Follow label directions carefully. Use from the original container only.

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## **SECTION 8: Exposure Controls / Personal Protection**

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**Eye Protection** – Yes, goggles or approved safety glasses (ANSI Z87).

**Skin Protection** – Yes, impervious.

**Respiratory Protections** – Not usually necessary. Use with adequate ventilation. Use NIOSH/MSHA approved respirator if PELs or TLVs are exceeded.

**Engineering Controls** – Ventilation not usually necessary but should be provided in the event of overexposure.

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## **SECTION 9: Physical and Chemical Properties**

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<b>Appearance and Odor:</b>	Clear light yellow liquid with a floral-alcohol scent.
<b>PH</b>	9.7 ± 0.5
<b>Specific Gravity (70°F)</b>	0.870
<b>Boiling Point:</b>	176° F
<b>Melting Point:</b>	No Data
<b>Evaporation Rate (Butyl Acetate = 1)</b>	> 1
<b>Vapor Pressure (mm-Hg @ 70°F)</b>	No Data
<b>Vapor Density (AIR = 1)</b>	> 1
<b>Solubility in Water</b>	Complete
<b>Volatile Organic Compounds (VOCs)</b>	592 grams per liter or 68% by weight VOCs.

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## **SECTION 10: Stability and Reactivity**

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**Hazardous Polymerization** – This product will not undergo hazardous polymerization.

**Hazardous Decomposition or Byproducts** – Carbon dioxide, carbon monoxide, formaldehyde.

**Chemical Stability** - Stable

**Incompatibility (Materials to Avoid)** - Strong oxidizers and acids.

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## **SECTION 11: Toxicological Information**

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No Data

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## **SECTION 12: Ecological Information**

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No Data

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## **SECTION 13: Disposal Consideration**

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**Disposal Method** - Dispose of in accordance with all applicable local, state, and federal regulations.

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**RCRA Waste Information** – If this product becomes a waste, it would be a hazardous waste (D001) as defined by RCRA (40 CFR 261). However the waste should be properly characterized to evaluate whether its composition has been modified prior to disposal.

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**SECTION 14: Transport Information**

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**DOT Information – 49 CFR 172.101**

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**Quarts/Gallons****Proper Shipping Description:** Consumer Commodity**Hazard Class:** ORM-D**Identification Number:** None**Packing Group:** None**Bulk Material****Proper Shipping Description:** Flammable liquid, N.O.S., (Ethanol)**Hazard Class:** 3**Identification Number:** UN 1993**Packing Group:** III**Air Transportation:****Proper Shipping Description:** Flammable liquid, N.O.S., (Ethanol)**Hazard Class:** 3**Identification Number:** UN 1993**Packing Group:** III**Marine Pollutants:** None

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**SECTION 15: Regulatory Information**

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**US Federal Regulations:****EPA Product Registration Number**

11694-98-10637

**TSCA (Toxic Substances Control Act) Status**

All ingredients are on the TSCA inventory or are not required to be listed on the TSCA inventory.

**CERCLA RQ – 40 CFR 302.4 (a)**

None Listed

**SARA 313 Components – 40 CFR 372.65**

O-Phenylphenol (CAS: 90-43-7) – 0.192%

**State and Local Regulations:****California Proposition 65****Warning:** This product contains a chemical (O-Phenylphenol) and trace chemicals (Ethylene Oxide, Propylene Oxide) known to the State of California to cause cancer and/or birth defects or other reproductive harm.

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**Section 16: Additional Information**

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**Date Prepared:** 08/30/07

**WARNING!** The use of this product is beyond the control of the manufacturer; therefore, no guarantee, expressed or implied, is made as to the effects of such or the results to be obtained if not used in accordance with directions or established safe practice. The user must assume all responsibility, including injury or damage, resulting from its misuse as such, or in combination with other materials. The manufacturer warrants only that this product meets the manufacturer's specifications for such product. THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, AS TO DESCRIPTION, QUALITY, MERCHANTABILITY, FITNESS FOR ANY PARTICULAR PURPOSE, PRODUCTIVENESS, OR ANY OTHER MATTER, OF THIS PRODUCT. THE MANUFACTURER SHALL BE IN NO WAY RESPONSIBLE FOR THE IMPROPER USE OF THIS PRODUCT. The sole and exclusive remedy against the manufacturer for breach of warranty shall be reimbursement of the purchase price of the product in the event that a defective condition of the product shall be found to exist. NO OTHER REMEDY (INCLUDING BUT NOT LIMITED TO INCIDENTAL OR CONSEQUENTIAL DAMAGES FOR INJURY TO PERSON OR PROPERTY OR ANY OTHER INCIDENTAL OR CONSEQUENTIAL LOSS) SHALL BE AVAILABLE.

