

**Material Safety Data Sheet**  
**MULTIPHASE DEODORANT**

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**SECTION I – IDENTIFICATION**

**PRODUCT NAME:** ..... MULTIPHASE DEODORANT  
**CHEMICAL FAMILY:** ..... VERY MILDLY ACIDIC DEODORANT CLEANER  
**FORMULA:** ..... N/A  
**CAS NUMBER:** ..... N/A

**SECTION II – HAZARDOUS IDENTIFICATION**

**EMERGENCY OVERVIEW:**

**EYES:** ..... May cause severe eye irritation with possible permanent eye damage and impairment of vision.

**SKIN (DERMAL):**..... Skin contact may cause irritation while prolonged exposure may cause chemical burns.

**SWALLOWING (INGESTION):** May cause severe gastrointestinal irritation and/or ulceration of the mouth and throat. Single dose oral LD50 has not been determined.

**INHALATION:**..... Vapors and mist may cause respiratory tract irritation.

**MEDICAL CONDITION AGGRAVATED**

**BY EXPOSURE:**..... Existing skin and/or respiratory disorders may be aggravated by exposure.

**CHRONIC OVEREXPOSURE:**.. None known

**OSHA REGULATORY STATUS:**Since this product is a mixture, there is no defined PEL's (Personal Exposure Limits) established by OSHA. ACGIH TLV's (Threshold Limit Values) for hazardous components are listed in the Hazardous Ingredients Section of this MSDS.

**SECTION III – COMPOSITION INFORMATION ON INGREDIENTS**

**THRESHOLD LIMIT VALUE:**.. The TLV in section in section III is the ACGIH/TLV-TWA (threshold limit value/time weighted average concentration for an eight hour work day). The STEL is the short term exposure limit and the (Ceil) is the ceiling limit.

HAZARDOUS INGREDIENT	PERCENT	CAS NO.	ACGIH/TWA	STEL/TLV
Isopropanol	1-5	67-63-0	200 PPM	400 PPM

Also contains biodegradable surfactant(s).

**SECTION IV – FIRST AID DATA**

**EYES:** ..... In case of contact, immediately flush eyes with lots of running water for at least 15 minutes. Call for medical assistance.

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**SKIN (DERMAL):**..... Wash with running water for 15 minutes while removing contaminated clothing. Wash contaminated clothing before reuse.

**SWALLOWING (INGESTION):** NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. If swallowed, DO NOT INDUCE VOMITING. Give large quantities of water. (If available, give several glasses of milk) If vomiting occurs spontaneously, keep airway clear and give more water. GET MEDICAL ATTENTION IMMEDIATELY.

**INHALATION:**..... If exposure by inhalation is suspected, immediately move exposed individual to fresh air. If individual experiences nausea, headache, dizziness, has difficulty in breathing or is cyanotic, seek a health care professional immediately. Never give anything by mouth to an unconscious person.

### SECTION V – FIRE FIGHTING MEASURES

**FLASHPOINT:** ..... > 170° F.

**LOWER EXPLOSIVE LIMIT:**... Not Determined

**UPPER EXPLOSIVE LIMIT:**..... Not Determined

**EXTINGUISHING MEDIA:** ..... Use extinguishing media appropriate to primary cause of fire.

#### **SPECIAL FIRE FIGHTING**

**PROCEDURES:** ..... Avoid contact with fire fighting personnel as burns may result from contact with skin. when fighting a fire near or involving this product, wear a self-contained breathing apparatus. (SCBA)

#### **UNUSUAL FIRE AND**

**EXPLOSION HAZARDS:** ..... None known

### SECTION VI – ACCIDENTAL RELEASE MEASURES

**SPILL/ LEAK PROCEDURES:**.. Appropriate protective clothing must be worn by trained cleanup personnel. Dike the area to contain the spill. Dilute with large quantities of dilute soda ash or sodium bicarbonate (baking soda) solution to neutralize any residual acid. Properly neutralized liquid (pH 6-9) may be disposed of in waste water treatment facilities. Check with local authorities first.

### SECTION VII – HANDLING AND STORAGE

**HANDLING INFORMATION:** .. Store away from chlorinated products, alkalines and reducing agents. Keep container tightly closed when not in use. KEEP OUT OF REACH OF CHILDREN.

**STORAGE REQUIREMENTS:**.. Keep containers tightly closed when not in use. Empty container completely and dispose of in accordance with applicable regulations. SPILLS: Contain spill. Absorb with inert material and dispose in accordance with applicable regulations. Store away from food production areas and food storage areas.

### SECTION VIII – EXPOSURE CONTROLS / PERSONAL PROTECTION

**EYE PROTECTION:**..... Chemical safety goggles. Contact lenses should not be worn when working with any chemicals.

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**RESPIRATORY PROTECTION:** Respiratory protection should be worn if levels exceed defined PEL's for this product or any hazardous component listed in the Hazardous Ingredient Section of this MSDS.

### OTHER PROTECTIVE

**EQUIPMENT:** ..... Rubber gloves, coveralls and protective footwear.

**VENTILATION:** ..... Local exhaust sufficient to maintain TLV below permissible exposure limits.

## SECTION IX – PHYSICAL AND CHEMICAL PROPERTIES

**APPEARANCE:** ..... Clear liquid with mild odor

**BOILING POINT:** ..... Approx. 212° F.

**VAPOR PRESSURE:** ..... NOT EST.

**VAPOR DENSITY (AIR=1):** ..... NOT EST.

**SPECIFIC GRAVITY:** ..... 0.99

**pH:** ..... 4.0 - 5.0 AS IS

**SOLUBILITY IN WATER:** ..... Completely soluble in water.

## SECTION X – STABILITY AND REACTIVITY DATA

**STABILITY:** ..... Stable

### HAZARDOUS

**POLYMERIZATION:** ..... Will not occur

**INCOMPATIBILITY:** ..... Chlorinated products such as bleach, alkaline materials, metals, metal powder, carbides, chlorates, fumigates, nitrates, picrates, strong oxidizers, reducing or combustible organic material. Hazardous gases are evolved on contact with chemicals such as chlorine bleach, cyanides, sulfides and carbides.

### HAZARDOUS

**DECOMPOSITION:** ..... Carbon monoxide and carbon dioxide upon thermal decomposition.

## SECTION XI – TOXICOLOGICAL INFORMATION

### TOXICOLOGICAL

**INFORMATION:** ..... **ISOPROPYL ALCOHOL (IPA):** Toxicity to animals: Acute oral (LD50) 3450 mg/kg (mouse), Acute dermal toxicity (LD50) 12800 mg/kg (rabbit) (Isopropyl alcohol). Chronic Effects on Humans: Classified A4 (not classifiable for human or animal ) by ACGIH, 3 (Not classifiable for humans) by IARC (IPA). Development Toxicity: Classified Reproductive System/toxin/female, Development Toxin, (probable) (IPA). Other Toxic Effects on Humans: Hazardous in case of skin contact (irritant), of ingestion, of inhalation. Slightly Hazardous in case of skin contact (permeator).

## SECTION XII – ECOLOGICAL INFORMATION

### ECOLOGICAL

**INFORMATION:** ..... **ISOPROPYL ALCOHOL (ISOPROPANOL):** Ecotoxicity: Not available. BODS and COD: Not available. Products of Biodegradation: Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

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### SECTION XIII – DISPOSAL CONSIDERATIONS

**WASTE DISPOSAL:**..... Consult all LOCAL, STATE, and FEDERAL regulations with regard to proper and suitable disposal methods.

### SECTION XIV – TRANSPORTATION INFORMATION

**PROPER SHIPPING NAME:** ..... N/A  
**HAZARD CLASS AND LABEL:** NON DOT HAZARDOUS  
**UN NUMBER:** ..... N/A  
**PACKAGING GROUP:**..... N/A

### SECTION XV – REGULATORY INFORMATION

**LISTED CARCINOGEN:**..... None known  
**TSCA STATUS:**..... All components in this product are listed on the TSCA inventory.  
**SARA SECTION 313:** ..... This product **does not** contain any EPCRA section 313 chemicals subject to the reporting requirements of section 313 of the Emergency Planning Community Right-To-Know Act of 1986 (40CFR 372):  
**NFPA HEALTH:** ..... 1  
**NFPA FLAMMABILITY:**..... 0  
**NFPA REACTIVITY:**..... 0

**Canada - DSL/NDSL:** Isopropylol: CAS# 67-63-0 is listed on Canada's DSL List.

**Canada – WHMIS:** Isopropylol: This product has a WHMIS classification of B2, D2B.

### SECTION XVI – OTHER INFORMATION

**REFERENCES:** ..... The information contained herein has been compiled from sources believed to be reliable and accurate to the best of our knowledge at this date. It is provided without warranty, expressed or implied, as to the results of use of this information or to the product to which it relates. Hydramaster Corp. assumes no responsibility for injury to any person or property resulting from any use of the material if reasonable safety procedures are not adhered to. Each user assumes the risk in their use of this product and should review the data and recommendations in the specific context of their intended use.

**FOOT NOTES:** ..... NOT EST. = Not Established, N/A = Not Applicable, (Ceil) = TLV ceiling limit.