

Section 1 – Product and Company Identification

Product(s): **MEDAPHENE® PLUS Disinfectant Spray**
 Formula: A347
 Part Number(s): 34720

Company Name & Address: 
 805 E. Old 56 Hwy.
 Olathe, KS 66061
 800-443-9536 (8 a.m. – 5 p.m. Weekdays, CDT)

Emergency Numbers: **IN CASE OF EMERGENCY, CALL Infotrac @ 1-800-535-5053, 24 hrs.**
INTERNATIONAL EMERGENCY NUMBER 352-323-3500
 Poison Control Center: 1-800-222-1222

Material Safety Data Sheets: www.dymon.com

Section 2 – Hazards Identification

WARNING. Causes eye and skin irritation. Flammable liquid. May be harmful if inhaled or swallowed. Contents under pressure.
Potential Health Effects

EYES:	Causes eye irritation.
SKIN:	Causes skin irritation.
INHALATION:	May cause respiratory tract irritation.
INGESTION:	May be harmful if swallowed.
Signs/symptoms of exposure: redness, tearing or burning in eyes. Drying or redness of skin. Airway irritation, coughing, stupor, drowsiness or loss of consciousness if overexposed to breathing vapors. Stomach or intestinal upset. Medical conditions generally aggravated by exposure: pre-existing skin conditions and eye disorders may be adversely affected. Follow good chemical hygiene practices to avoid these hazards.	

HMIS Rating Health – 2 Flammability – 3 Reactivity – 0 Personal Protection – B

Section 3 – Composition/Information on Ingredients

Ingredient	CAS Number	Percent Range
Ethyl Alcohol	64-17-5	60 – 100
1,1-Difluoroethane	75-37-6	10 – 30
Water	7732-18-5	1 – 5
Orthophenylphenol	90-43-7	< 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 4 – First Aid Measures

EYES:	Flush eyes with large amounts of water for at least 15 minutes while holding eyelids open. Seek medical attention immediately.
SKIN:	Flush with large amounts of water for at least 15 minutes. Remove contaminated clothing and shoes. If irritation arises and persists seek medical attention.
INHALATION:	Move to fresh air. If breathing has stopped, qualified personnel should administer artificial respiration.
INGESTION:	If a large quantity of liquid is swallowed, do not induce vomiting, call a physician or poison control center immediately. If patient is conscious and alert, dilute by drinking large quantities of water. Never give anything by mouth to an unconscious person.

Section 5 – Fire Fighting Measures

Flashpoint (PMCC): 65° F
Extinguishing Media: Use carbon dioxide, dry chemical, foam or fog as needed.
Special Fire Fighting Procedures: Keep containers cool and vapors down with water spray. Prevent runoff from entering sewers and public waterways. Wear self-contained breathing apparatus (SCBA) in chemical fires.
Hazardous Products of Combustion: Oxides of carbon, hydrofluoric acid and carbonyl fluoride.

Section 6 – Accidental Release Measures

Small spill: Wipe up small releases with a dry absorbent cloth or other absorbent material.
Large spill: Ventilate area and block traffic. Eliminate all ignition sources. Absorb liquid with vermiculite, absorbent cloth, or other absorbent material. Prevent material from entering sewers and drains. Transfer contaminated material into suitable container for proper disposal. Clean any slippery residues with suitable soap or detergent.

Section 7 – Handling and Storage

Handling: Do not swallow. Do not get into eyes. Wash thoroughly after handling. Avoid contact with skin and clothing. Avoid inhaling mists or vapors. Do not smoke while using. Use only with adequate ventilation. Do not deliberately concentrate and inhale vapors. Direct spray away from face. Spray can in upright position only. Follow good chemical hygiene practices when handling this material. Use from original container only and follow label directions carefully.
Storage: Keep away from heat, sparks, open flame and direct sunlight. Store in a cool (less than 120° F) well-ventilated area. Keep out of reach of children. Do not contaminate water, food or feed by use or storage. Do not puncture or incinerate container. Replace cap when not in use.

Section 8 – Exposure Controls/Personal Protection

Engineering controls: Ventilation not usually necessary but should be provided in the event of overexposure.
Exposure limits: Ethyl alcohol (CAS# 64-17-5)=1000 ppm OSHA; 1000 ppm ACGIH-TLV; 1000 ppm NIOSH-REL
 1,1-Difluoroethane (CAS# 75-37-6)=1000 ppm Manufacturer's Recommendation
Eye protection: Yes, wear approved safety glasses or goggles if direct contact is possible.
Skin protection: Yes, wear impervious gloves if direct contact is possible.
Respiratory protection: Not usually necessary. If vapors are present or irritation is experienced, use NIOSH/MSHA approved respirator.

Section 9 – Physical and Chemical Properties

Appearance and Odor: Colorless or light yellow liquid with floral odor.
pH: 9.70
Vapor Density: >1
Pressure: 128 psig
Boiling Point: 176° F
Flame Projection: >18", no flashback
Volatile Organic Compounds (VOCs): 69.69 % by weight
Specific Gravity: 0.825
Solubility in Water: Complete

Section 10 – Stability and Reactivity

Hazardous Polymerization: This product will not undergo hazardous polymerization.
Hazardous Decomposition or Byproducts: Oxides of carbon, hydrofluoric acid and carbonyl fluoride.
Chemical Stability: Stable
Incompatible Materials: Strong oxidizers and reducers, alkalis.

Section 11 – Toxicological Information

Ethyl alcohol, CAS# 64-17-5
 Dermal LDLo=20 mg/kg, rat; Oral LD50=7,060 mg/kg, rat; Inhalation LC50=20,000 ppm (10 hr), rat

Section 12 – Ecological Information

No data.

Section 13 – Disposal Considerations

Formula: A136

Dispose of in accordance with all applicable local, state, and federal regulations.

Waste information: If this product becomes a waste, it would be a hazardous waste (D001) as defined by RCRA (40CFR261). However the waste should be properly evaluated in case of modification prior to disposal.

Section 14 – Transport Information

The following transportation information is based on Department of Transportation Regulations found in 49 CFR. If shipping this product by air please refer to International Air Transport Association (IATA) Danger Goods Regulations. If shipping this product by ocean please refer to International Maritime Dangerous Goods Regulations (IMDG). To find how to ship this product please refer to the UN# listed below.

	UN #	Proper Shipping Description	Hazard Class	Packing Group
DOT Information	None	Consumer Commodity	ORM-D	None

Marine Pollutants: None

Section 15 – Regulatory Information

US Federal Regulations

Toxic Substances Control Act (TSCA): All ingredients are on the TSCA inventory or exempt from listing.

CERCLA RQ

None

SARA 313 Components

None

State and Local Regulations

California Proposition 65

This product contains a chemical (Orthophenylphenol) known to the State of California to cause cancer, and/or birth defects or other reproductive harm.

Section 16 – Other Information

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.