

9/16/16

## 1. IDENTIFICATION

**PRODUCT NAME: D-FEN SURFACE DISINFECTANT**  
**RECOMMENDED USE: DISINFECTANT DEODORIZER**  
**RESTRICTIONS ON USE: DO NOT USE IN A MANNER INCONSISTENT WITH THE LABEL.**  
**SDS 5612735 LABEL BRAND: UNISOURCE CODE U23054v2, 10541053, 5612735**

EMERGENCY TELEPHONE: 1-888-660-6737 USA (24/7)      DISTRIBUTED EXCLUSIVELY BY:  
 PRODUCT INFORMATION: 1-800-864-7687 USA (8AM-5PM)      **UNISOURCE WORLDWIDE, INC.**  
 INTERNET ADDRESS: [WWW.UNISOURCEWORLDWIDE.COM](http://WWW.UNISOURCEWORLDWIDE.COM)      6600 GOVERNORS LAKE PARKWAY  
 NORCROSS, GA 30071 USA

## 2. HAZARD(S) IDENTIFICATION

**CLASSIFICATION: FLAMMABLE AEROSOLS (CATEGORY 1),**  
**SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE (CATEGORY 1),**  
**SKIN SENSITIZATION (CATEGORY 1), EYE IRRITATION (CATEGORY 2B)**



### LABEL ELEMENTS

**SIGNAL WORD: DANGER**

**PICTOGRAMS: FLAME, HEALTH HAZARD, EXCLAMATION MARK**

**HAZARD STATEMENTS: EXTREMELY FLAMMABLE AEROSOL. CAUSES DAMAGE TO ORGANS. MAY CAUSE AN ALLERGIC SKIN REACTION. CAUSES EYE IRRITATION.**

**PRECAUTIONARY STATEMENTS:** Wear chemical-resistant protective gloves. Avoid contact with eyes, skin, and clothing. Do not breathe vapors or mist. Do not eat, drink or smoke when using this product. Wash hands and affected areas thoroughly after handling. Keep away from heat, sparks, open flames and hot surfaces. No smoking. Do not spray on an open flame or other ignition source. Pressurized container: Do not pierce or burn, even after use.

**FIRST AID: IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing for at least 15 minutes. If eye irritation persists, get medical attention. **IF ON SKIN:** Wash with plenty of water. If skin irritation occurs and persists, get medical attention. **IF SWALLOWED:** Rinse mouth. In the unlikely event of swallowing, contact a physician or poison control center. **IF INHALED:** Remove person to fresh air and keep comfortable for breathing. **EMERGENCY TELEPHONE: 1-888-660-6737**

**Storage:** Protect from sunlight. Do not expose to temperatures exceeding 50°C (122°F). Store in a well-ventilated place. Store locked up.

**Disposal:** Dispose of contents in accordance with all federal, state and local applicable laws and regulations.

**KEEP OUT OF REACH OF CHILDREN. FOR COMMERCIAL AND INDUSTRIAL USE ONLY.**

**HAZARDS NOT OTHERWISE CLASSIFIED:** Not applicable.

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENT(S)	CAS #	WEIGHT %
ETHYL ALCOHOL	64-17-5	49.95
1,1-DIFLUOROETHANE	75-37-6	20.0-40.0
ORTHOPHENYLPHENOL	90-43-7	0.176
PARA-TERTIARY AMYLPHENOL	80-46-6	0.045
LIQUEFIED PETROLEUM GAS	68476-86-8	10.0-20.0

**EXACT PERCENTAGES ARE BEING WITHHELD AS TRADE SECRET INFORMATION.**

**STATE RIGHT TO KNOW: SEE SECTION 15 FOR STATE RTK CHEMICAL NAMES IN MIXTURE.**

**4. FIRST-AID MEASURES**

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**IF IN EYES:** RINSE CAUTIOUSLY WITH WATER FOR SEVERAL MINUTES. REMOVE CONTACT LENSES, IF PRESENT AND EASY TO DO. CONTINUE RINSING FOR AT LEAST 15 MINUTES. IF EYE IRRITATION PERSISTS, GET MEDICAL ATTENTION.

**IF ON SKIN:** WASH WITH PLENTY OF WATER. IF SKIN IRRITATION OCCURS AND PERSISTS, GET MEDICAL ATTENTION.**IF SWALLOWED:** RINSE MOUTH. IN THE UNLIKELY EVENT OF SWALLOWING, CONTACT A PHYSICIAN OR POISON CONTROL CENTER.

**IF INHALED:** REMOVE PERSON TO FRESH AIR AND KEEP COMFORTABLE FOR BREATHING.

**EMERGENCY TELEPHONE: 1-888-660-6737**

**MOST IMPORTANT SYMPTOMS / EFFECTS:** CAUSES DAMAGE TO ORGANS. MAY CAUSE AN ALLERGIC SKIN REACTION. CAUSES EYE IRRITATION.

**MEDICAL CONDITIONS AGGRAVATED:** NONE KNOWN.

**NOTE TO PHYSICIAN:** CALL 1-888-660-6737 FOR EXPOSURE MANAGEMENT ASSISTANCE.

**5. FIRE-FIGHTING MEASURES**

**CHEMICAL HAZARDS:** EXTREMELY FLAMMABLE AEROSOL. PRESSURIZED CONTAINER MAY EXPLODE WHEN EXPOSED TO HEAT OR FLAME. CAUSES DAMAGE TO ORGANS. MAY CAUSE AN ALLERGIC SKIN REACTION. CAUSES EYE IRRITATION.

**COMBUSTION PRODUCT HAZARDS:** OXIDES OF CARBON AND OTHER FUMES.

**METHODS:** SELECT EXTINGUISHER AND METHODS BASED ON FIRE SIZE AND TYPE. COOL CONTAINERS EXPOSED TO HEAT WITH WATER SPRAY AND REMOVE CONTAINER IF NO RISK IS INVOLVED.

**EQUIPMENT:** WEAR SCBA AND FULL PROTECTIVE GEAR AS CONDITIONS WARRANT.

**NFPA RATING:** HEALTH-2/FLAMMABILITY-2/ INSTABILITY-0/SPECIAL HAZARD-N.AP.

**SUITABLE EXTINGUISHERS:** WATER FOG OR MIST SUITABLE FOR FIRE.

**UNSUITABLE EXTINGUISHERS:** DO NOT USE WATER JET AS THIS WILL SPREAD FIRE.

**6. ACCIDENTAL RELEASE MEASURES**

**PERSONAL PRECAUTIONS:** EVACUATE UNPROTECTED PERSONNEL FROM AREA. WEAR PERSONAL PROTECTION INCLUDING RUBBER BOOTS. SEE SECTION 8. VENTILATE AREA IF NEEDED. BE CAREFUL NOT TO SLIP. WASH THOROUGHLY AFTER CLEAN-UP.

**ENVIRONMENTAL PRECAUTIONS:** PREVENT SPILL FROM ENTERING DRAIN, STORM SEWER OR SURFACE WATERWAY. PREVENT WATER AND SOIL CONTAMINATION.

**CLEAN-UP METHODS:** IF CONTAINERS BEGIN TO LEAK THROUGH PUNCTURE OR DEFECTIVE PACKAGING, ALLOW IT TO DISCHARGE COMPLETELY IN A WELL VENTILATED AREA. SMALL SPILLS MAY BE WIPED UP AND RINSED WITH WATER. FOR LARGER SPILLS, DIKE TO CONTAIN. PUMP TO LABELED CONTAINER OR ABSORB SPILLAGE AND SCOOP UP WITH INERT ABSORBENT MATERIAL. AFTER SPILL COLLECTION, RINSE AREA WITH WATER AND FOLLOW WITH NORMAL CLEAN-UP PROCEDURES. REMOVE ALL IGNITION SOURCES.

**7. HANDLING AND STORAGE**

**HANDLING:** PRESSURIZED CONTAINER. DO NOT PIERCE OR BURN EVEN AFTER USE. DO NOT USE IF SPRAY BUTTON IS MISSING OR DEFECTIVE. INSTRUCT PERSONNEL ABOUT PROPER USE, HAZARDS, PRECAUTIONS, AND FIRST AID MEASURES. AVOID INHALATION, INGESTION, AND CONTACT WITH EYES, SKIN AND CLOTHING. INTENTIONAL MISUSE BY CONCENTRATING AND INHALING THE PRODUCT CAN BE HARMFUL OR FATAL. USE IN A WELL-VENTILATED PLACE. AVOID SPRAYING TOWARDS FACE. AVOID OVERSPRAY DURING USE. HANDLE CAREFULLY TO AVOID DAMAGING CONTAINER.

**STORAGE:** PRESSURIZED CONTAINER. PROTECT FROM SUNLIGHT. DO NOT EXPOSE TO TEMPERATURES EXCEEDING 50°C (122°F). STORE IN A WELL-VENTILATED PLACE. STORE LOCKED UP. DO NOT PUNCTURE, INCINERATE OR CRUSH. KEEP AWAY FROM INCOMPATIBLE MATERIALS. KEEP FROM FREEZING. STORE AS LEVEL 1 AEROSOL (NFPA 30B).

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

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**EXPOSURE LIMITS:** ETHYL ALCOHOL = 1000 PPM TWA (ACGIH/OSHA)  
 1,1-DIFLUOROETHANE = 1000 PPM TWA (WEEL)  
 ORTHOPHENYLPHENOL = NONE  
 PARA-TERTIARY AMYLPHENOL = NONE  
 LIQUEFIED PETROLEUM GAS = 1000 PPM TWA (ACGIH/OSHA)  
**ENGINEERING CONTROLS:** NONE REQUIRED. GENERAL ROOM VENTILATION IS TYPICALLY ADEQUATE.

**PERSONAL PROTECTION**

**EYES / FEET / BODY:** NONE REQUIRED WITH NORMAL USE.  
**HANDS:** CHEMICAL-RESISTANT PROTECTIVE GLOVES (RUBBER OR NEOPRENE).  
**RESPIRATORY:** SUITABLE RESPIRATOR IF MISTS/VAPORS ARE NOT CONTROLLED BY VENTILATION.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>APPEARANCE:</b> COLORLESS LIQUID	<b>AUTO-IGNITION TEMPERATURE:</b> N.AV.
<b>ODOR:</b> NONE	<b>DECOMPOSITION TEMPERATURE:</b> N.AV.
<b>pH CONCENTRATE:</b> 10.0	<b>EXPLOSIVE LIMITS (LEL/UEL):</b> NONE
<b>pH @ 2500 PPM SOLUTION:</b> N.AV.	<b>EVAPORATION RATE:</b> N.AV.
<b>pH @ USE DILUTION:</b> N.AV.	<b>FLAMMABILITY (SOLID, GAS):</b> N.AP.
<b>PHYSICAL STATE:</b> LIQUID+GAS (AEROSOL)	<b>FLASH POINT:</b> -156°F(-104.4°C) LPG ESTIMATED
<b>RELATIVE DENSITY (WATER):</b> BELOW 1.0	<b>INITIAL BOILING POINT/RANGE:</b> N.AV.
<b>SOLUBILITY (WATER):</b> PARTIALLY	<b>MELTING POINT/FREEZING POINT:</b> N.AV.
<b>VAPOR PRESSURE:</b> 65 to 75 PSIG @70°F	<b>ODOR THRESHOLD:</b> N.AV.
<b>VAPOR DENSITY:</b> N. AV.	<b>PARTITION COEFF. (N-OCTANOL/WATER):</b> N.AV.
<b>VISCOSITY:</b> NON-VISCOUS	<b>OTHER:</b> *LIQUID AND GAS IN AEROSOL CAN

**AEROSOL SPRAY ENCLOSED SPACE DEFLAGRATION DENSITY:** NOT AVAILABLE  
**AEROSOL SPRAY IGNITION DISTANCE:** NOT AVAILABLE

**10. STABILITY AND REACTIVITY**

**CHEMICAL STABILITY:** STABLE. **REACTIVITY:** NO HAZARD.  
**POSSIBILITY OF HAZARDOUS REACTIONS:** NONE KNOWN. WILL NOT POLYMERIZE.  
**CONDITIONS TO AVOID:** DO NOT STORE ABOVE 49°C OR 120°F. KEEP AWAY FROM HEAT, DIRECT SUNLIGHT, OPEN FLAMES OR SPARKS. AVOID SPRAYING ON HOT SURFACES. FIRE, INTENSE HEAT OR DROPPING MAY CAUSE VIOLENT RUPTURE OF AEROSOL CAN.  
**MATERIALS TO AVOID:** AVOID CONTACT WITH OTHER CLEANING PRODUCTS.  
**HAZARDOUS DECOMPOSITION PRODUCTS:** NONE UNDER NORMAL CONDITIONS.

**11. TOXICOLOGICAL INFORMATION**

**ROUTES OF EXPOSURE:** EYES, SKIN, INGESTION, INHALATION.  
**INFORMATION ON ROUTES OF EXPOSURE:** NO LC50/LD50 TEST DATA ON MIXTURE.  
**ACUTE EFFECTS /SYMPTOMS**  
**EYES:** CAUSES EYE IRRITATION. MAY CAUSE DISCOMFORT, REDNESS AND WATERING.  
**SKIN:** HARMFUL IF ABSORBED THROUGH SKIN. MAY CAUSE DRY SKIN.  
**INGESTION:** MAY CAUSE IRRITATION, NAUSEA, VOMITING AND DIARRHEA.  
**INHALATION:** CAUSES DAMAGE TO ORGANS.  
**CHRONIC / OTHER EFFECTS:** NO REPORTABLE GERM CELL MUTAGENS, RESPIRATORY SENSITIZERS, REPRODUCTIVE TOXINS OR ASPIRATION HAZARDS.  
**SKIN SENSITIZERS:** MAY CAUSE AN ALLERGIC SKIN REACTION.  
**SPECIFIC TARGET ORGANS (SINGLE):** CAUSES DAMAGE TO ORGANS.  
**SPECIFIC TARGET ORGANS (REPEATED):** NONE KNOWN.  
**NUMERICAL MEASURES OF TOXICITY:** ATE<sub>mix</sub> (ORAL-RAT) = ABOVE 2000 MG / KG  
**CARCINOGENS:** NO REPORTABLE ACGIH, IARC, NTP, OR OSHA CARCINOGENS.

## 12. ECOLOGICAL INFORMATION

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**ECOTOXICITY / CHEMICAL FATE:** NOT AVAILABLE.

## 13. DISPOSAL CONSIDERATIONS

**DISPOSAL METHOD:** IGNITABLE WASTE (RCRA CLASS D001). DISPOSE OF CONTENTS IN ACCORDANCE WITH ALL FEDERAL, STATE, AND LOCAL APPLICABLE LAWS AND REGULATIONS. WHEN CONTENTS ARE DEPLETED CONTINUE TO DEPRESS BUTTON UNTIL ALL GAS IS EXPELLED. AEROSOL CYLINDER IS NOT REFILLABLE.

**Storage and Disposal:** Do not contaminate water, food or feed by storage or disposal.

**Pesticide Storage:** Store in a cool, dry (preferably locked) storage area away from direct sunlight, windows, flames and other sources of heat or ignition. **Pesticide Disposal:** Wastes resulting from the use of this product may be disposed on site or at an approved waste disposal facility. **Container Disposal:** Non-refillable container; do not reuse or refill this container. Do not incinerate or puncture!

**If empty:** Replace cap, offer for recycling, if available; otherwise dispose of in trash.

**If partly filled:** Call your local solid waste agency for disposal instructions.

## 14. TRANSPORT INFORMATION

**DOT / IMDG / TDG:** UN1950, AEROSOLS, 2.1, LTD. QTY.

## 15. REGULATORY INFORMATION

**EPA CERCLA RQ:** NO

**EPA REGISTERED:** YES (706-69-82440) This chemical is a pesticide product registered by the environmental protection agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label: **CAUTION:** Harmful if absorbed through skin. Causes moderate eye irritation. Avoid contact with eyes, skin or clothing. Prolonged or frequently repeated skin contact may cause allergic reaction in some individuals. Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Note: This product contains a chemical(s) known to the state of California to cause cancer. **PHYSICAL AND CHEMICAL HAZARDS:** Flammable. Contents under pressure. Do not use or store near fire, sparks or heated surfaces. Do not store in direct sunlight. Do not smoke while using this product. Do not puncture or incinerate container. Exposure to temperatures above 120°F may cause bursting.

**OSHA HAZARDOUS:** YES

**PHOSPHORUS CONTENT:** 0.00%

**PROPOSITION 65:** WARNING: THIS PRODUCT CONTAINS A CHEMICAL KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER AND BIRTH DEFECTS AND OTHER REPRODUCTIVE HARM.

**SARA 311/312 HAZARDS:** ACUTE, FIRE, PRESSURE

**SARA 313 CHEMICALS:** METHYL ALCOHOL, ORTHOPHENYLPHENOL AND SODIUM NITRITE.

**STATE RIGHT TO KNOW:** EPA EXEMPT.

**TSCA INVENTORY STATUS:** ALL COMPONENTS ARE LISTED ON THE INVENTORY.

**VOC:** 4.15% CALCULATION METHOD USED IS BASED ON CALIFORNIA ARB STANDARD.

## 16. OTHER INFORMATION

**PREPARATION DATE:** 12-1-14 **PREPARED BY:** RC **REVISED SECTION:** 16  
**ABBREVIATIONS:** N.AV. = NOT AVAILABLE N.AP. = NOT APPLICABLE

**NOTICE TO READER**

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