1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Uline Air In A Can
PRODUCT DESCRIPTION: 2536OD8C
PRODUCT CODE: S-6771,S-13380

DISTRIBUTOR
Uline Shipping Supplies
12575 Uline Drive
Pleasant Prairie, WI 53158
Phone: 800-295-5510

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW
IMMEDIATE CONCERNS: Flammable liquid and vapor.

POTENTIAL HEALTH EFFECTS
EYES: Avoid contact with eyes; may cause redness, irritation and conjunctivitis.
SKIN: Liquid contact could cause frostbite.
INGESTION: Not likely to be ingested.
INHALATION: Headache, nausea, and possible coordination problems. High concentrations in immediate area can displace oxygen and can cause dizziness, unconsciousness, and possibly death with longer exposure. Keep people away from such vapors without self-contained breathing apparatus.

REPRODUCTIVE TOXICITY
REPRODUCTIVE EFFECTS: None Expected.
TERATOGENIC EFFECTS: Not considered a developmental toxicant.
CARCINOGENICITY: NOT listed
MUTAGENICITY: Not Established
CANCER STATEMENT: Did not cause cancer in long term animal studies.

3. COMPOSITION / INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Wt.%</th>
<th>CAS</th>
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<tbody>
<tr>
<td>1,1-difluoroethane (HFC-152a)</td>
<td>100</td>
<td>75-37-6</td>
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4. FIRST AID MEASURES

EYES: Flush eye with water for 15 minutes. Get medical attention.
SKIN: Wash with soap and water. Get medical attention if irritation develops or persists.
INGESTION: Ingestion is unlikely because of the physical properties and is not expected to be hazardous. Do not
induce vomiting unless instructed to do so by a physician.

INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

SIGNS AND SYMPTOMS OF OVEREXPOSURE

EYES: Symptoms of overexposure include: stinging, tearing, redness and pain.

SKIN: Exposure to rapidly expanding gas or vaporizing liquid may cause frostbite ("cold" burn).

INGESTION: Not a likely route of exposure.

INHALATION: High concentrations may lead to central nervous system effects (drowsiness, dizziness, nausea, headaches, paralysis and loss of consciousness).

ACUTE TOXICITY: Overexposure may cause dizziness and loss of concentration. At higher levels, CNS depression and cardiac arrhythmia may result.

CHRONIC EFFECTS: Frequent or prolonged contact may irritate the skin and cause a skin rash (dermatitis).

5. FIRE FIGHTING MEASURES

GENERAL HAZARD: Aerosol cans may erupt with force at temperatures above 120F.

EXTINGUISHING MEDIA: Use alcohol foam, carbon dioxide, or water spray when fighting fires involving this material.

HAZARDOUS COMBUSTION PRODUCTS: Carbon dioxide, carbon monoxide, fluorine, hydrofluoric acid, carbonyl halides.

EXPLOSION HAZARDS: Vapors, when present in the flammable range (listed above), especially in a confined or poorly ventilated space, can be ignited with a flame or high intensity source of heat.

FIRE FIGHTING PROCEDURES: Use water spray to keep fire-exposed containers cool and to knock down vapors which may result from product decomposition.

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

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL: Vapor can be controlled using a water fog. Water streams should not be directed to the liquid as this will cause the liquid to boil and generate more vapor.

LARGE SPILL: -Implement cleanup procedures. -If in public area, keep public away and advise authorities. - Recover by pumping (use an explosion proof or hand pump) or with a suitable absorbent.

GENERAL PROCEDURES: Isolate hazard area. Keep unnecessary and unprotected personnel from entering.

RELEASE NOTES: Spills and releases may have to be reported to Federal and/or local authorities.

7. HANDLING AND STORAGE

GENERAL PROCEDURES: Contents may be under pressure. Exercise caution when opening container. If containers have been stored in direct sunlight or heated above the boiling point of the solvent, the container should be cooled to below the boiling point before opening.

HANDLING: Use with sufficient ventilation to keep employee exposure below recommended limits. Provide adequate ventilation for storage, handling and use, especially for enclosed or low spaces. Avoid contact of liquid with eyes and prolonged skin exposure. Do not allow product to contact open flame or electrical heating elements because dangerous decomposition products may form.
SAFETY DATA SHEET

Uline Air In A Can

STORAGE: Keep away from sources of ignition.

STORAGE TEMPERATURE: Contents under pressure. Do not expose to heat or store above (120) F (49) C.

STORAGE PRESSURE: Store at local atmospheric pressure.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS: Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits.

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: For normal conditions, wear safety glasses. Where there is reasonable probability of liquid contact, wear splash-proof goggles.

SKIN: Skin contact with liquid may cause frostbite. General work clothing and gloves (leather) should provide adequate protection. If prolonged contact with the liquid or gas is anticipated, insulated gloves constructed of PVA, neoprene or butyl rubber should be used. Any contaminated clothing should be promptly removed and washed before reuse.

RESPIRATORY: NIOSH/MSHA approved air purifying respirator with an organic vapor cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits. Protection provided by air purifying respirators is limited. Use a positive pressure air supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air purifying respirators may not provide adequate protection.

WORK HYGIENIC PRACTICES: Wash hands before eating and wash before reuse.

OTHER USE PRECAUTIONS: Emergency shower and eyewash facility should be in close proximity.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Gas

ODOR: Low odor.

COLOR: Colorless

PERCENT VOLATILE: 100

FLASHPOINT AND METHOD: < -50°C (-58°F)

FLAMMABLE LIMITS: 3.9 to 16.9

AUTOIGNITION TEMPERATURE: 154°C (849°F)

VAPOR PRESSURE: 87 psia at 25°C

VAPOR DENSITY: 2.4 (Air=1)

BOILING POINT: -25°C (-13°F)

SOLUBILITY IN WATER: 0.28 wt% @ 25C

(VOC): Exempt

10. STABILITY AND REACTIVITY

STABILITY: Stable under normal conditions.

POLYMERIZATION: Will not occur.

CONDITIONS TO AVOID: Heat, flames, ignition sources, and incompatables.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon dioxide, carbon monoxide, fluorine, hydrofluoric acid,
INCOMPATIBLE MATERIALS: Incompatible with alkali or alkaline earth metals - powdered Al, Zn, Be, etc.

11. TOXICOLOGICAL INFORMATION

ACUTE

INHALATION LC_{50}: 977 g/m³, 2-hour

EYE EFFECTS: May be mildly irritating to eyes.

CARCINOGENICITY

IARC: NOT listed
NTP: NOT listed
OSHA: NOT listed

NEUROTOXICITY: Exposure to high concentrations may effect the nervous system.

REPRODUCTIVE EFFECTS: Not Established

TERATOGENIC EFFECTS: NOT listed

MUTAGENICITY: Not Established

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL DATA: There is limited information available on the environmental fate and effects of this material. The primary environmental concern for release is the impact on aquatic and terrestrial species. Due care should be taken to avoid the accidental release of this material into the environment.

ECOTOXICOLOGICAL INFORMATION: Not Established

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Federal, State, and Local laws governing disposal of materials can differ. Ensure compliance with proper authorities before disposal.

GENERAL COMMENTS: Dispose of in a manner consistent with federal, state, and local regulations.

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME: 1,1-difluoroethane
PRIMARY HAZARD CLASS/DIVISION: 2.1
UN/NA NUMBER: 1030
PACKING GROUP: NA

ROAD AND RAIL (ADR/RID)

KEMLER NUMBER: UN1030
HAZARD CLASS: 2.1

AIR (ICAO/IATA)

SHIPPING NAME: 1,1-difluoroethane
UN/NA NUMBER: 1030
SAFETY DATA SHEET

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PRIMARY HAZARD CLASS/DIVISION: 2.1
PACKING GROUP: NA
NOTE: Cargo aircraft ONLY. Copy of DOT-E 11516 must be presented.

VESSEL (IMO/IMDG)
SHIPPING NAME: 1,1-difluoroethane
UN/NA NUMBER: UN1030
PRIMARY HAZARD CLASS/DIVISION: 2.1

CANADA TRANSPORT OF DANGEROUS GOODS
SHIPPING NAME: 1,1-difluoroethane
UN/NA NUMBER: UN1030
PRIMARY HAZARD CLASS/DIVISION: 2.1
TDG NOTE: SU 11078 allows this product to shipped in accordance DOT-SP 11516.

15. REGULATORY INFORMATION

UNITED STATES
SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)
FIRE: Yes PRESSURE GENERATING: Yes ACUTE: Yes
CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)
CERCLA REGULATORY: Listed in table 302.4 of 40CFR Part 302 as a hazardous substance with a reportable quantity. Releases to air, land, or water which exceed the RQ must be reported to the national response center.
CERCLA RQ: 100 lbs.
TSCA (TOXIC SUBSTANCE CONTROL ACT)
TSCA REGULATORY: This product is listed on the TSCA Inventory.

OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA)
29 CFR1910.119---PROCESS SAFETY MANAGEMENT OF HIGHLY HAZARDOUS CHEMICALS: None of the chemicals in this product are considered highly hazardous by OSHA.

CALIFORNIA PROPOSITION 65: This product does not contain any chemicals known to the State of California to cause cancer.

RCRA STATUS: D001

CANADA
WHMIS (WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM): This MSDS has been prepared according to the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR.
WHMIS CLASS: Class A - Aerosol; Class B5 - Flammable Aerosol

16. OTHER INFORMATION

APPROVED BY: Pierce A. Pillon TITLE: Chemist
SAFETY DATA SHEET

Date Issued : 4/5/2005
MSDS No : S-6771/S-13380
Date Revised : 8/22/2013
Revision No : 6

Uline Air In A Can

REVISION SUMMARY: This MSDS replaces the 3/30/2012 MSDS. Revised: Section 14: PRIMARY HAZARD CLASS/DIVISION, UN/NA NUMBER, SHIPPING NAME, TDG NOTE.


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