

# MATERIAL SAFETY DATA SHEET

For R&D use only. Not for drug, household or other uses.

Click <http://www.lookchem.com/cas-138/138495-42-8.html> for suppliers of this product.

## Composition/Information on Ingredient

**Cas:**

138495-42-8

**Code:**

M

**RTECS:**

RZ9885000

**Code:**

F

**Name:**

2,3 DECAFLUOROPENTANE

**Other REC Limits:**

200 PPM (MFR)

**OSHA PEL:**

NOT PROVIDED

**Code:**

M

**OSHA STEL:**

N/P

**Code:**

**ACGIH TLV:**

NOT PROVIDED

**Code:**

M

**ACGIH STEL:**

N/P

**Code:**

3

## Control Measures

**Respiratory Protection:**

IF VAPOR CONCENTRATION EXCEEDS TLV, USE RESPIRATOR APPROVED BY NIOSH APPROVED FOR ORGANIC VAPOR.

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**Ventilation:**

ADEQUATE VENTILATION TO KEEP VAPOR CONCENTRATION BELOW TLV.

**Protective Gloves:**

NEOPRENE.

**Eye Protection:**

SAFETY GLASSES REQUIRED.

**Other Protective Equipment:**

Equipment NONE REQUIRED UNDER NORMAL USE.

**Work Hygienic Practices:**

TREAT THIS CHEMICAL WITH RESPECT AND FOLLOW ALL MSDS INSTRUCTIONS. ALWAYS USE IN AREA WITH ADEQUATE VENTILATION.

**Supplemental Safety and Health:**

ABBREVIATION: N/A = NOT APPLICABLE. N/AV = NOT AVAILABLE. N/K = UNKNOWN. N/P = NOT PROVIDED. N/R = NOT RELEVANT. N/D = NOT DETERMINED. N/E = NOT ESTABLISHED.

## Health Hazards Data

**LD50/LC50/Mixture:**

NOT PROVIDED

**Route Of Entry Inds - Inhalation:**

YES

**Skin:**

YES

**Ingestion:**

YES

**Carcinogenicity Inds - NTP:**

NO

**IARC:**

NO

**OSHA:**

NO

**Health Hazards Acute And Chronic:**

INGESTION-ASPIRATION WHICH MAY CAUSE "CHEMICAL PNEUMONIA". INHALATION-EXCESSIVE INHALATION OF VAPORS CAN CAUSE CENTRAL NERVOUS SYSTEM DEPRESSION. SUFFOCATION IF AIR IS DISPLACED BY VAPORS. EYES-IRRITATION. "FROSTBITE-LIKE" EFFECTS MAY OCCUR IF VAPORS CONTACT EYES. SKIN-SLIGHT IRRITATION. OVEREXPOSURE TO VAPORS MAY CAUSE FROSTBITE. CHRONIC: EXCESSIVE INHALATION MAY RESULT IN CENTRAL NERVOUS SYSTEM DEPRESSION.

**Explanation Of Carcinogenicity:**

NOT LISTED.

**Signs And Symptoms Of Overexposure:**

INGESTION-SYMPOTMS INCLUDE COUGHING, GASPING, CHOKING, SHORTNESS OF BREATH, BLUISH DISCOLORATION OF SKIN, RAPID BREATHING AND HEART RATE, AND FEVER. INHALATION-DIZZINESS, WEAKNESS, CONFUSION, UNCOORDINATION OR UNCONSCIOUSNESS. IRREGULAR HEART BEAT WITH A STRANGE SENSATION IN THE CHEST, "HEART THUMPING", APPREHENSION, LIGHTHEADEDNESS, FEELING OF FAINTING, DIZZINESS, WEAKNESS MAY PROGRESS TO LOSS OF CONSCIOUSNESS AND DEATH. EYES-TEARING, PAIN OR BLURRED VISION. SKIN-ITCHING, REDNESS OR SWEAT.

**Medical Cond Aggravated By Exposure:**

NOT PROVIDED

**First Aid:**

INGESTION-SEEK MEDICAL ATTENTION IMMEDIATELY. DO NOT INDUCE VOMITING. DRINK TWO LARGE GLASSES OF WATER. INHALATION-REMOVE TO FRESH AIR, IF BREATHING IS DIFFICULT GIVE OXYGEN. IF SPED PROVIDE ARTIFICIAL RESPIRATION. KEEP PERSON WARM AND QUIET. SEEK MEDICAL ATTENTION. EYES-IRRIGATE IMMEDIATELY WITH WATER FOR AT LEAST 15 MINUTES. GET MEDICAL ATTENTION IF IRRITATION PERSISTS. SKIN-WASH WITH SOAP AND WATER. THOROUGHLY CLEAN CONTAMINATED CLOTHING AND SHOES BEFORE REUSE. IF SYMPTOMS PERSISTS,

**Spill Release Procedures:**

ABSORB WITH SUITABLE MEDIUM. INCINERATE OR LANDFILL ACCORDING TO LOCAL, STATE OR FEDERAL REGULATIONS. DO NOT FLUSH TO SEWER. 4

**Neutralizing Agent:**

NOT RELEVANT

**Waste Disposal Methods:**

AEROSOL CANS WHEN VENTED TO ATMOSPHERIC PRESSURE THROUGH NORMAL USE, POSE NO DISPOSAL HAZARD.

**Handling And Storage Precautions:**

DO NOT PUNCTURE OR INCINERATE CONTAINERS. DO NOT STORE AT TEMPERATURES ABOVE 120F.

**Other Precautions:**

KEEP THIS AND ALL CHEMICALS OUT OF THE REACH OF CHILDREN. AVOID FOOD CONTAMINATION.

## Fire and Explosion Hazard Information

**Flash Point Method:**

N/A

**Flash Point:**

NON-FLAMMABLE

**Flash Point Text:**

NON-FLAMMABLE

**Autoignition Temp:**

NON-FLAMMABLE

**Autoignition Temp Text:**

N/P

**Lower Limits:**

N/E

**Upper Limits:**

N/E

**Extinguishing Media:**

FOAM, DRY CHEMICAL, CARBON DIOXIDE.

**Fire Fighting Procedures:**

SELF-CONTAINED BREATHING APPARATUS.

**Unusual Fire/Explosion Hazard:**

DO NOT EXPOSE AEROSOLS TO TEMPERATURES ABOVE 120F OR THE CONTAINER MAY RUPTURE.

## Physical/Chemical Properties

**H2C:**

V2

**NIOSH State Lic No:**

NOT RELEVANT

**Net Prop WT For Ammo:**

NON-FLAMMABLE

**Boiling Point:**

=62.8C, 145.4F

=62.8C, 145.4F

**B.P. Text:**

NON-FLAMMABLE

**Melt/Freeze Pt:**

NON-FLAMMABLE

**M.P./F.P. Text:**

NON-FLAMMABLE

**Decomp Temp:**

NON-FLAMMABLE

**Decomp Text:**

NON-FLAMMABLE

**Vapor Pres:**

181 @ 70F

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181 @ 70F

**ATR-1 8.7:**

ATR-1 8.7

**Volatile Org Content %:**

100

**Corrosion Rate:**

NON-FLAMMABLE

**Specific Gravity:**

H2O-1: 1.45

H2O-1: 1.45

**VOC Pounds/Gallon:**

NON-FLAMMABLE

**Viscosity:**

NOT PROVIDED

**Evaporation Rate & Reference:**

VERY FAST

**Solubility in Water:**

NON-FLAMMABLE

**Appearance and Odor:**

CLEAR SPRAY WITH ETHEREAL ODOR

**Percent Volatiles by Volume:**

100

**Corrosion Rate:**

NON-FLAMMABLE

**Stability:**

NON-FLAMMABLE

**Autoignition Temp:**

NON-FLAMMABLE

**Autoignition Temp Text:**

N/P

**Lower Limits:**

N/E

**Upper Limits:**

N/E

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**Information:**

N/P

## MSDS Transport Information

**Information:**

N/P

**Regulatory Information:**

NON-FLAMMABLE

**Sara Title III Information:**

N/P

**Federal Regulatory Information:**

N/P

**State Regulatory Information:**