# **MSDS** Document

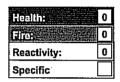
## Product PRECISE

# 1. Chemical Product and Company Identification

# Trade Name of this Product PRECISE MSDS ID DA 6081

Manufacturer

Drummond American 600 Corporate Woods Parkway Vernon Hills, IL 60061 Contact Name
Corporate Compliance Team
Phone Number
(847) 913-9313
Emergency Phone
(888) 426-4851
Revision Date 02/01/1998



# 2. Composition and Information on Ingredients

Ingredient TRIFLUOROTRICHLOR OETHANE	<b>CAS Number</b> 76-13-1	<b>Weight %</b> >95 %	ACGIH TLV 1000	<b>PEL</b> 1000.00	STEL N/A
CARBON DIOXIDE	124-38-9	<5 %	5000	10000.0	30000

## 3. Hazard Identification

**Route Of Entry** 

Inhalation Eyes Skin

MEDICAL CONDITIONS PRONE TO OVEREXPOSURE

NONE GENERALLY RECOGNIZED.

**Target Organs Effected** 

None known.

## **EFFECTS OF OVEREXPOSURE**

IRRITATION OF EYES, SKIN AND UPPER RESPIRATORY SYSTEM. IN A CONFINED AREA VAPORS IN HIGH CONCENTRATION MAY CAUSE HEADACHE, NAUSEA OR DIZZINESS.

#### 4. First Aid Information

#### **EMERGENCY AND FIRST AID PROCEDURES**

INHALATION: REMOVE FROM EXPOSURE. RESTORE BREATHING. KEEP WARM AND QUIET. SKIN: WASH AFFECTED AREA THOROUGHLY WITH SOAP AND WATER. REMOVE CONTAMINATED CLOTHING AND LAUNDER BEFORE RE-USE. EYES: FLUSH WITH LARGE AMOUNTS OF WATER FOR 15 MINUTES. GET MEDICAL ATTENTION. INGESTION: GET MEDICAL ATTENTION.

## 5. Fire Fighting Measures

Flash Point

FP Method Tag Closed Cup

LEL 1 UEL 10

**Extinguishing Media** 

Dry Chemical Carbon Dioxide Foam

#### **Aerosol Product**

Treat as cylinder of compressed gas.

#### SPECIAL FIREFIGHTING PROCEDURES

FULL PROTECTIVE EQUIPMENT INCLUDING SELF-CONTAINED BREATHING APPARATUS SHOULD BE USED. WATER SPRAY MAY BE INEFFECTIVE. IF WATER IS USED, FOG NOZZLES ARE PREFERABLE. WATER MAY BE USED TO COOL CLOSED CONTAINERS TO PREVENT PRESSURE BUILD-UP AND POSSIBLE AUTOIGNITION OR EXPLOSION WHEN EXPOSED TO EXTREME HEAT.

## **UNUSUAL FIRE AND EXPLOSION HAZARDS**

CLOSED CONTAINERS MAY EXPLODE (DUE TO THE BUILD-UP OF PRESSURE) WHEN EXPOSED TO EXTREME HEAT.

FLAMMABILITY CLASSIFICATION OSHA CLASS N/A DOT Class N/A

#### 6. Accidental Release Measures

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED REMOVE ALL SOURCES OF IGNITION. VENTILATE AND REMOVE WITH INERT ABSORBENT.

# 7. Handling and Storage

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING
CONTENTS UNDER PRESSURE. DO NOT PUNCTURE, INCINERATE, OR EXPOSE TO

WATER, AND OTHER HEAT SOURCES COULD CAUSE CONTAINER TO BURST. DO NOT TAKE INTERNALLY. KEEP OUT OF THE REACH OF CHILDREN.

#### **OTHER PRECAUTIONS**

KEEP AEROSOL CANS IN A COOL PLACE OUT DIRECT SUNLIGHT. KEEP THIS AND ALL CHEMICALS OUT OF THE REACH OF CHILDREN.

## **Hygienic Practices**

Wash hands before eating or using the washroom. Smoke in SMOKING AREAS ONLY.

## 8. Exposure Controls and Personal Protection

#### **PROTECTIVE GLOVES**

NONE REQUIRED FOR NORMAL APPLICATION OF AEROSOL PRODUCTS WHERE MINIMAL SKIN CONTACT IS EXPECTED. FOR LONG OR REPEATED CONTACT, WEAR CHEMICAL RESISTANT GLOVES.

#### **VENTILATION**

LOCAL EXHAUST PREFERABLE. GENERAL EXHAUST ACCEPTABLE IF THE EXPOSURE TO MATERIALS IN SECTION II IS MAINTAINED BELOW APPLICABLE EXPOSURE LIMITS.

#### Respiratory Protection

None Required. IF PERSONAL EXPOSURE CANNOT BE CONTROLLED BELOW APPLICABLE LIMITS BY VENTILATION, WEAR A PROPERLY FITTED ORGANIC VAPOR/PARTICULATE RESPIRATOR APPROVED BY NIOSH/MSHA FOR PROTECTION AGAINST MATERIALS IN SECTION II.

#### **EYE PROTECTION**

WEAR SAFETY SPECTACLES WITH UNPERFORATED SIDESHIELDS.

## 9. Physical and Chemical Properties

Density Ibs/Gal.

12.9

Boiling/Cond. Point Evaporation Rate

**FASTER THAN ETHER** 

Percent Volatile

100.0

Vapor Density

HEAVIER THAN AIR

#### **OPTIONAL INFORMATION:**

TAPPEARANCE/ODOR: CLEAR WATER-WHITE MOBILE LIQUID WITH SLIGHT SOLVENT LODOR. SPECIFIC GRAVITY: 1.55 SOLUBLE IN WATER: N/A

# 10. Stability and Reactivity

**Stability** 

Stable

#### **Hazardous Polymerization**

Will not occur

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#### **HAZARDOUS DECOMPOSITION PRODUCTS**

BY FIRE: CARBON DIOXIDE, CARBON MONOXIDE, HYDROGEN CHLORIDE.

## Incompatibility

None Known.

## 11. Toxicological Information

#### **CARCINOGENICITY**

NONE OF THE COMPONENTS IN THIS CHEMICAL ARE LISTED BY IARC, NTP OR OSHA AS A CARCINOGEN.

## 12. Ecological Information

## 13. Disposal Considerations

#### **WASTE DISPOSAL METHOD**

WASTE FROM THIS PRODUCT IS NOT HAZARDOUS AS DEFINED UNDER THE RESOURCE CONSERVATION AND RECOVERY ACT. DO NOT INCINERATE. DEPRESSURIZE CONTAINER. DISPOSE OF IN ACCORDANCE WITH FEDERAL, STATE, AND LOCAL REGULATIONS REGARDING POLLUTION.

## 14. Transportation Information

D.O.T. Emergency Response Information

Not Applicable.

U.N. CLASSIFICATION PER DOT ORM-D PER IMCO N/A

## 15. Regulatory Information

## 16. Other Information