

LIB

## Material Safety Data Sheet

GC THORSEN  
1801 MORGAN STREET  
ROCKFORD, IL 61105  
(815) 968-9661

Product: 10-7100  
Issue: 4  
Date: 05/08/91  
MSDS No: 0098  
Page No: 1

## SECTION I - MATERIAL IDENTIFICATION

Product Name: ANTI-STATIC FREON TF CLEANER  
Chemical Family: MIXTURE

Contact: CHEMTREC  
Phone: 1-800-424-9300

JF Cleaner (Product # 10-7100)

## SECTION II - INGREDIENTS

CAS Number	Chemical Name	WT%	Exposure Limits (PPM)
76-13-1	* TRICHLOROTRIFLUOROETHANE	97	1000 TLV-PEL, 1250 STEL
51791-10-4	ANTI-STATIC	<.1	N/E
124-38-9	CARBON DIOXIDE PROPPELLANT	2.9	10000 TLV-PEL, 30000 STEL

## Comments:

\* APPEARS IN SECTION 313 OF THE TOXIC CHEMICALS LIST OF TITLE III OF THE SUPERFUND AMENDMENT & REAUTHORIZATION ACT (SARA) OF 1986.  
NOT CARCINOGENIC

## SECTION III - PHYSICAL DATA

Boiling Point:	N/A	Specific Gravity:	1.55 APPROX.
Vapor Pressure:	N/A	% Volatile by Volume:	99
Vapor Density:	>4	Evaporation Rate:	>1
Solubility in H <sub>2</sub> O:	NOT	Form:	X Liquid Solid Paste Gas

Appearance and Odor:  
CLEAR, COLORLESS - ALCOHOL ODOR

## SECTION IV - FIRE &amp; EXPLOSION HAZARD DATA

Flash Point:	Open Cup	Flammable Limits	Lower	Upper
NONE	Closed Cup	(% In Air)	N/A	N/A
Extinguishing Media:	X CO <sub>2</sub>	H <sub>2</sub> O	H <sub>2</sub> O Fog	X Chem Foam Dry Chem

## Special Fire Fighting Procedures:

VENTILATE AREA WELL - USE SCBA DUE TO THE TOXIC GAS EMISSIONS WHEN EXPOSED TO FLAME

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## FIRE &amp; EXPLOSION HAZARD DATA - CONTINUED

Unusual Fire & Explosion Hazards:  
CAN MAY BURST IF TEMPERATURE EXCEEDS 120F

HMIS/NFPA RATINGS	Health	Flammability	Reactivity
	1	0	1

## SECTION V - HEALTH HAZARD INFORMATION

ELV: 1000 PPM      PEL: 1000 PPM      Other: N/E

Effects of Overexposure:  
LIGHT HEADEDNESS, SHORTNESS OF BREATH, NARCOSIS, CARDIAC IRREGULARITIES,  
UNCONSCIOUSNESS, OR DEATH. (REPEATED EYE OR SKIN CONTACT CAN CAUSE  
DISCOMFORT AND IRRITATION)

Primary Routes of entry:	X Inhalation	X Skin Contact
	X Eye Contact	Ingestion

## Emergency/First Aid Procedures:

## Eyes:

FLUSH WITH WATER FOR AT LEAST 15 MINUTES - CONSULT PHYSICIAN

## Skin:

WASH WITH SOAP AND WATER

## Inhalation:

FRESH AIR, OXYGEN, ARTIFICIAL RESPIRATION - CONSULT PHYSICIAN

## Ingestion:

DO NOT INDUCE VOMITING - CONSULT PHYSICIAN

## SECTION VI - REACTIVITY DATA

X Stable	Conditions
Unstable	to avoid: HIGH TEMPERATURES AND IGNITION SOURCES

Incompatibility: NONE  
(Materials to Avoid)

Hazardous Decomposition Products:  
CO, CO<sub>2</sub>, CHLORINE, FLUORINE COMPOUNDS, HCl

Hazardous Polymerization:	May Occur	X Will not Occur
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**REACTIVITY DATA - CONTINUED**

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**SECTION VII - SPILL OR LEAK PROCEDURES****Procedures:**

PICK UP WITH INERT ABSORBENT MATERIAL - STORE IN SEALED METAL CONTAINERS FOR DISPOSAL

**Waste Disposal:**

LICENSED WASTE DISPOSAL FACILITY, OR PER GOVERNMENT REGULATIONS

**SECTION VIII - SPECIAL PROTECTION INFORMATION****Respiratory:**

SCBA OR CARTRIDGE RESPIRATOR IF TLV EXCD

**Eyewear:**

SAFETY GLASSES

**Ventilation:** Local Exhaust X Mechanical AS REQUIRED TO MEET TLV'S

**Clothing/Gloves:**

BUTYL GLOVES IF NECESSARY TO AVOID SKIN CONTACT

**SECTION IX - SPECIAL PRECAUTIONS****Handling & Storing:**

STORE IN A COOL, DRY AREA - AWAY FROM HIGH TEMPERATURES AND IGNITION SOURCES

**Other:**

CAN MAY BURST IF TEMPERATURE EXCEEDS 120F

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Prepared by: V. HAGEMAN

Date: 06/27/91