U.S. DEPARIMENT UP LADUR

Occupational Safety & Health Administration MATERIAL SAFETY DATA SHEET

SECTIO	N 1
250110	
	EMERGENCY TELEPHONE NO
MANUFACTURER'S NAME	v. Inc. (302) -774-2421
E. I. DuPont de Nemours and Compan	y, 111C. (302) //
E. I. DuPont de Nemours and Compar. ADDRESS (Number, Street, City, State, and ZIP Code) Freon Products Division, Wilmingt	10000
ADDRESS (Name) Distilling	on, Delaware 19090
Freon Products Division, Williams	TRADE NAME AND SYNONYMS
CHEMICAL NAME AND SYNONYMS	Freon 12 with Dytel*
ne-blo-odifluoromethane + *	
	ORMULA COL E + +
Halogenated Hydrocarbon + Dye	CC1 ₂ F ₂ + *
Halogenated mystocatodis	L L

	SECTION	11	HAZAR	DOUS INGREDIENTS		
PAINTS, PR	ESERVATIVES, & SOLVENTS	5	TLV (Units)	ALLOYS AND METALLIC COATINGS	*	TLV (Units)
	dodoor and ino	.02	5	BASE METAL		
CATALYST	GII PILL CO GOOD			ALLOYS		
VEHICLE				METALLIC COATINGS		
SOLVENTS				FILLER METAL PLUS COATING OR CORE FLUX		
ADDITIVES	-			OTHERS	_	
OTHERS						
	HAZARDOUS MIXTURE	SOF	OTHER LIC	QUIDS, SOLIDS, OR GASES	8	(Units)
Note:				not been determined,	_	
1,0001	but the addition	of	such	a small percentage of		
	solid is not exp	ect	ed to	significantly change	_	-
	the properties o	f F	reon®	12.		<u> </u>

950	TION III	PHYSICAL DATA		
BOILING POINT (F.)	-21.6	SPECIFIC GRAVITY (H20=1)	77°F	1.31
VAPOR PRESSURE (mm Hg.) 77°F psia	94.5	PERCENT VOLATILE BY VOLUME (%)		99.075
VAPOR DENSITY MAIR = 1) 77°F	4.3	EVAPORATION RATE	l acetate	Rapid
SOLUBILITY IN WATER 77°F. % by Wt.	0.02	Molecular We		120.92
APPEARANCE AND ODOR Red	liquid -	slight ethereal od	or	

FIRE AND EX	PLOSION HAZARD DA	ATA	
	FLAMMABLE LIMITS	Lei	Uel
Y			
None			
v £1 ammable			
NOULTAIMEDIE			
		9	
111	inned and stored	as a liqu	efied
Usually Si	ipped and scored		
sed gas unde	r pressure.		
			28
	None Nonflammable Usually sh	None	None Nonflammable Usually shipped and stored as a liqu

NOTICE FROM DU PONT

The data in this Material Safety Data Sheet relates only to the specific material designated herein and does not relate to use in combination with any other material or in any process.

	SECTION V HEALTH HAZARD DATA
THRESHOLD LIMIT VA	IVVO IIII
	edness, giddiness, shortness of breath, possible narcosis,
possible ca	rdiac arrhythmias at high concentrations. Remove to fresh air, call a physician. Do not give
	e or similar drugs.
	Contact: Flush with water
	SECTION VI REACTIVITY DATA
STABILITY	UNSTABLE CONDITIONS TO AVOID Open flames or high temperatures
	STABLE X
Alkali or	alkaline earth metals - powdered Aluminum, Zinc, Beryllium,
Hydrochlor	osition products etc. ic and hydrofluoric acids - possible carbonyl fluoride.
HAZARDOUS	MAY OCCUR CONDITIONS TO AVOID
POLYMERIZATION	WILL NOT OCCUR X
	AND
STEPS TO BE TAKEN I	SECTION VII SPILL OR LEAK PROCEDURES N CASE MATERIAL IS RELEASED OR SPILLED
	area-especially low places where heavy vapors might collect
ventilate	area-especially low places where heavy aparts
WASTE DISPOSAL ME	THOO Reclaim by distillation
	SECTION VIII SPECIAL PROTECTION INFORMATION
RESERRATORY PROTE	mask with independent supply in high concentrations
VENTILATION	When large amounts are released special
	MECHANICAL (General) Especially in low places
PROTECTIVE GLOVE	dling liquid EYE PROTECTION When handling liquid
OTHER PROTECTIVE	
	ATOTION IV COPOLAL DOCUMENTONS
	SECTION IX SPECIAL PRECAUTIONS
PRECAUTIONS TO BE	ontainers in a clean, dry area. Do not heat above 125°F.
OTHER PRECAUTION	IC .
For fur	ther information, see Freon Products Laboratory
	Bulletin S-16.