

FILE NAME: John Crane (JC)

DATE: 0000

DOC#: JC029

DOCUMENT DESCRIPTION: Material Safety Data Sheet - Teflon



DU PONT CANADA INC.

MATERIAL SAFETY DATA SHEET

SECTION I PRODUCT IDENTIFICATION

TRADE NAME	TEFLON® 30, 30B, TE-3170	CAS NUMBER	009002840
SYNONYMS	Polytetrafluoroethylene Dispersion	FORMULA	(CF ₂) _n
MANUFACTURER'S NAME	Du Pont Canada Inc.	TELEPHONE NUMBERS	
ADDRESS	P.O. Box 660, Montreal, Quebec	REGULAR EMERGENCY	(416) 362-5621

SECTION II HAZARDOUS INGREDIENTS

NAME	%	TLV* (Units)	NAME	%	TLV (Units)
PIPE Polymer by Weight	60				
Water					
Additives Stabilizing Agent*	5	Max.			
Others Residual acid ammonium salts and ammonia (1)	<1				

*The aqueous dispersion of TEFLON® particles is stabilized with "Triton" (Rohm & Haas).

(1) Also: Levelling Agent 5% Max.

SECTION III PHYSICAL DATA

MELTING POINT (°C)	N.A.	SPECIFIC GRAVITY (H ₂ O = 1) of 60% solids dispersion in water	1.5
BOILING POINT (°C)	N.A.	PERCENT VOLATILE BY VOLUME (%)	60
VAPOR PRESSURE (kPa)	N.A.	EVAPORATION RATE	N.A.*
WATER SOLUBILITY (g/100 ml)	N.A.	SOLUBILITY IN WATER	Can be diluted from 60% solids level, solids do not dissolve in water.
APPEARANCE AND ODOR	Milky suspension in water pH 10; slight ammoniacal odor.		

SECTION IV FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method used) (°C)	Does not flash	FLAMMABLE LIMITS	LEL	UEL
EXTINGUISHING MEDIA		Nonflammable		
INITIAL FIRE FIGHTING PROCEDURES	TEFLON® does not burn (rated 94 V-0 by U/I.) without an external source of fuel. In an extreme fire situation, protection from hydrogen fluoride fumes should be employed.			
ADDITIONAL FIRE AND EXPLOSION HAZARDS	TEFLON® will burn in an atmosphere of 100% oxygen when an ignition source is present.			

Threshold Limit Value (A.C.G.I.H.)

The property is expected to be essentially the same as water.

NOTES FROM DU PONT: The information on this Material Safety Data Sheet is provided by Du Pont free of charge. While believed to be reliable it is intended for use by skilled persons at their own risk. Du Pont assumes no responsibility for events resulting or damages incurred from its use. The information on this Material Safety Data Sheet is not intended to be used for legal purposes.

DATE OF ISSUE:

1980 March 25

SECTION V HEALTH HAZARD DATA

PERMISSIBLE EXPOSURE LEVEL(S)

Does not apply.

ROUTINE EXPOSURE

N.A.

EFFECTS OF OVEREXPOSURE

PIPE polymer, when thermally decomposed, may cause polymer fume fever, and flu-like symptoms.

EMERGENCY AND FIRST AID PROCEDURES

Inhalation: Move to fresh air. Refer to physician for treatment of irritation.

Skin Contact: Wash with soap and water, Eye Contact: Flush with water for at least

SECTION VI REACTIVITY DATA

15 minutes and call a physician.
See bulletins.

REACTIVITY

UNSTABLE

STABLE

X

CONDITIONS TO AVOID

Store between 15°-27°C to minimize settling.

See bulletins.

INCOMPATIBILITY (Materials to avoid)

Precipitated by cationic surfactants.

HAZARDOUS DECOMPOSITION PRODUCTS

HF and perfluorocarbon olefins are evolved above 250°C (see bulletins esp. X-50F).

HAZARDOUS
POLYMERIZATION

MAY OCCUR

WILL NOT OCCUR

X

CONDITIONS TO AVOID

N.A.

SECTION VII SPILL OR LEAK PROCEDURES

ACTIONS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Avoid contact with skin and eyes. Wash off immediately. See bulletins.

HAZARDOUS CHEMICALS

DISPOSAL METHOD

Land fill is preferred but disposal methods must conform with local, state and federal regulations.

SECTION VIII SPECIAL PROTECTION INFORMATION

PROTECTION REQUIREMENTS

Local Exhaust - See bulletins

PROTECTIVE EQUIPMENT

LABORATORY

Adequate ventilation, and in confined areas, use Bureau of Mines approved mask.

INDUSTRIAL

(Yes) Alkaline dispersion

HAND AND ARM

CLOTHING AND EQUIPMENT

Protective Gloves - Yes

SECTION IX SPECIAL PRECAUTIONS

ACTIONS TO BE TAKEN IN HANDLING AND STORING

Avoid skin contact (pH 10).

Storing conditions or additives which reduce the pH can cause coagulation of the TEFION dispersion. TEFION dispersion is not FDA approved for food-contact applications.

PRECAUTIONS

Care should be taken not to contaminate tobacco and other smoking utensils.