			<b>1</b> 00
S		nically Modified – PTFE Products	
SECTION 1 - MANUFACTURER			
MANUFACTURER'S NAME		AN NYLONS	
PHYSICAL ADDRESS		C-23, MIDC Industrial Area,	
		k, Miraj – 416 410 (Maharashtra)	
PHONE NUMBER		2644468, 2644868, 2645772	
FASCIMILE NUMBER	: 0091-233-		
E-MAIL ID		n-n.co.in; ceo@h-n.co.in	
EMERGENCY PHONE NUMBER	: 0091-9373	3054560, 9373056560	
SECTION 2 - PRODUCT IDENTI	FICATION		
PRODUCT NAME		y Modified PTFE Products	
SYNONYMS		T Products, TFM Products	
CHEMICAL FAMILY		oon Polymer	
MAJOR APPLICATIONS	: Sealing		
	e e e ag		
SECTION 3 - INGREDIENTS INF			
COMPONENTS	CAS NUMBER	%AGE BY WEIGHT CHEMICAL FORMULA	A
Polytetrafluoroethylene	9002-84-0	100% ~C <sub>2</sub> F <sub>4</sub> ~	
SECTION 4 - HAZARDOUS ING			
COMPONENTS	CAS NUMBER	%AGE BY WEIGHT CHEMICAL FORMULA	Δ
Polytetrafluoroethylene	9002-84-0	100% ~C <sub>2</sub> F <sub>4</sub> ~	Λ
rorytetrandoroetinytene	3002 04 0		
SECTION 5 - PHYSICAL DATA			
GENERAL PHYSICAL FORM	:	Solid	
BOILING POINT	:	Not applicable	
MELTING POINT	:	320-340 deg C	
SPECIFIC GRAVITY $(H_2O=1)$	:	2.1 – 2.3 at 25 deg C	
EVAPORATION RATE (Butyl ace	tate=1) :	Not applicable	
SOLUBILITY IN WATER		Nil	
APPEARANCE / COLOUR		Translucent to milky-white	
ODOR	:	no odor	
SECTION 6 - FIRE AND EXPLOS	SION HAZARD DA		
FLASH POINT, METHOD	:	530-550 deg C, ASTM D1929	
SELF IGNITION TEMPERATURE		520-560 deg C, ASTM D1929	
LIMITING OXYGEN INDEX/ MET	HOD :	>95, ASTM D 2863	
EXTINGUISHING MEDIA	:	Water, foam, dry chemical, CO <sub>2</sub> , as	
		appropriate for surrounding fire	
SPECIAL FIRE FIGHTING PROC	EDURES :	Wear self-contained breathing apparatus.	•
		Wear full protective equipment.	
UNUSUAL FIRE AND EXPLOSIO	N HAZARDS :	Products will emit toxic fumes at high	
		temperature	
		Does not burn without an external flam	
		Protect from hydrogen fluoride fumes whi	
		react with water to form hydrofluoric ac	
		Wear neoprene gloves when handli	
		refuse from a fire involving PTI	FΕ
		(Polytetrafluoroethylene).	
		Difficult to ignite, and flame goes out wh	ıen
		initiating source is removed. Limited flar	
		spread and low smoke generation	
		Complies with definition of "limit	
		combustible "material. High self-igniti	
		and auto-ignition temperatures (ASI	
		D1929).	
		Hazardous gases/vapors produced in a fi	fire
		are hydrogen fluoride (HF), carb	
		monoxide, and potentially toxic fluorinat	
			ren
		compounds.	

## SECTION 7 - HEALTH HAZARD DATA

SECTION 7 - HEA		
ACUTE EFFECTS	OF EX	
INGESTION	:	Harmless
EYE CONTACT	:	May cause eye irritation.
SKIN CONTACT	:	Does not irritate human skin.
INHALATION	:	Inhalation of fumes from overheating (above 300 deg C) PTFE
		(Polytetrafluoroethylene) may cause polymer fume fever, a temporary
		flu like illness with fever, chills, and sometimes cough, of
		approximately 24 hours duration. Trace amounts of carbonyl fluoride
		and hydrogen fluoride may also be evolved when PTFE is overheated
		or burned above 400 deg C.
		Inhalation of low concentrations of HYDROGEN FLUORIDE can
		initially include symptoms of choking, coughing, and severe eye,
		nose, and throat irritation. This is possibly followed after a
		symptomless period of one to two days by fever, chills, difficulty in
		breathing, cyanosis, and pulmonary edema. Acute or chronic
		overexposure to HF can injure the liver and kidneys.
		Inhalation, ingestion, or skin or eye contact with CARBONYL
		FLUORIDE may initially include: skin irritation with discomfort or rash;
		eye corrosion with corneal or conjectural ulceration; irritation of the
		upper respiratory passages; or temporary lung irritation
		effect with cough, discomfort, difficulty in breathing, or shortness of
		breath.
		Individuals with preexisting diseases of the lungs may have increased
		susceptibility to the toxicity of excessive exposures from thermal
		decomposition products.
CARCINOGENICIT	Y:	Not listed
TOXICITY	:	Physiologically inert & no toxicological effects
<u>SECTION 7 – EME</u>	RGEN	CY AND FIRST AID PROCEDURES
	_	No specific intervention is indicated as the PTEE Product is not
	•	NA CRACITIC INTERVANTION IC INDICATED AC TRA VIEL VIADUCT IC NAT

INHALATION	:	No specific intervention is indicated as the PTFE Product is not likely to be hazardous by inhalation. Consult a physician if necessary.
		If exposed from fumes from overheating or combustion, move to fresh
		air. Consult a physician if symptoms persist.
SKIN CONTACT	:	The PTFE Product is not likely to be hazardous by skin contact.
EYE CONTACT	:	In case of contact, immediately flush eyes with plenty of water and get medical attention if irritation occurs.
INGESTION	:	No specific intervention is indicated as the PTFE Product is not likely to be hazardous by ingestion. If gastrointestinal symptoms develop, get medical attention.

## SECTION 8 – PERSONAL PROTECTION / PREVENTIVE MEASURES

RESPIRATORY	:	Where the material temperature is above 300 deg C, use a positive pressure supplied air respirator.
EYE PROTECTION PROTECTIVE CLOTHING OTHER PROTECTIVE EQUIPMENT VENTILATION	:	Not normally required. Not normally required. Not applicable. Provide local exhaust if PTFE Product is heated above 300 deg C.

SECTION 9 - REACTIVITY DATA		
STABILITY	:	Stable
INCOMPATIBILITY (MATERIALS TO AVOID)	:	Molten alkali metals and interhalogen compounds.
HAZARDOUS DECOMPOSITION PRODUCTS	:	When heated above 300 deg C, may cause evolution of particulate matter, which can cause polymer fume fever. When heated above 400 deg, small amounts of hydrogen fluoride and perfluorohydrocarbons such as tetrafluoroethylene, hexafluoropropylene, perfluoroisobutylene, and carbonyl fluoride may be evolved.
HAZARDOUS POLYMERIZATION	:	Will not occur

SECTION 10 - SPILL OR LEAK PROCEDURES STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED	:	Recover undamaged material, clean as needed, and reuse		
SECTION 11 - DISPOSAL PROCEDURES WASTE DISPOSAL METHODS RECYCLING : SANITORY LANDFILL : INCINERATION :		Yes Yes for quantities less than 50 Kgs Yes, with Incineration capable of scrubbing with hydrogen fluoride & other acidic combustion products.		
HAZARDOUS WASTE NUMBER	•	Not Regulated		
SECTION 12 – STORAGE & HANDLING PROC PRECAUTIONS TO BE TAKEN				
IN HANDLING AND STORAGE	:	Upto 250 <sup>°</sup> C – No Special Procedures Above 275 deg C, PTFE Product can Evolve toxic gaseous products. Provide good ventilation or respirator if there exists a probability of exceeding 260 deg C.		
SPECIAL PRECAUTIONS		None		
SECTION 13 – TRANSPORTATION				
TRANSPORT HAZARDS CLASS ENVIRONMENT HAZARDS SPECIAL PRECAUTIONS FOR TRANSPORTER	RS	: N.A. : None : None		
SECTION 14 - SUITABILITY FOR SPECIAL A	PPLICA	TIONS		
FOOD CONTACT PHARMACEUTICAL HUMAN BODY INPLANTS NUCLEAR SPACE	: : :	Stable & Inert Stable & Inert Specific Grades are suitable Stable Stable		
SECTION 15 – INFORMATION ON ECOLOGY This product is considered harmless to the env material is biologically inert, non biodegradabl biological waste treatment plants. CLASSIFICATION	e and c			
<u>SECTION 16 – SUPPLIERS STATEMENT</u>				
DISCLAIMER		To the best of our knowledge the information contained in this publication is accurate; however, we do not assume any liability whatsoever for the accuracy or completeness of such information. We strongly recommend that users seek and adhere to the manufacturers' or supplier's current instructions for handling each material they use and they satisfy themselves that they can meet all applicable safety and health standards.		