

National Petrochemical

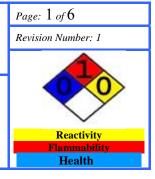
Company(NPC)

Material Safety Data Sheet (MSDS)

According to the Directives 91/155/CEE-2001/58/CE-ISO 11014-1

Product Name:

PET (Polyethylene Terephathlate)



1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/ UNDERTAKING

Identification of the substance or preparation: Country of origin: CAS Number: Synonyms:

Company/undertaking identification

Manufacturer subcontractor: Emergency phone number: Contact email: Fax: Association/Organization: Use of the substance/Preparation:

POLYETHYLENE TEREPHTHALATE

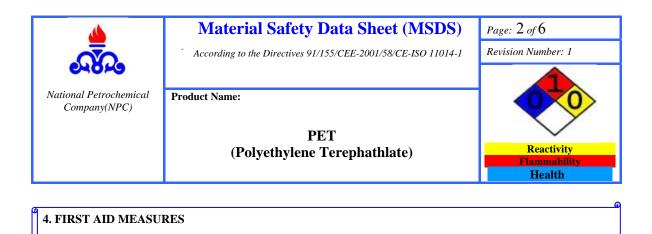
Iran (Islamic Republic of Iran) 25038-59-9 PET , Polyester National Petrochemical Company Iran Petrochemical Commercial Company (IPCC) None 00982188881735 msds@petrochem-ir.net 00982188839511 None Bottle , Fiber and Film Products

2. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous substances:	At complete combustion, the major products formed are carbon dioxide and carbon monoxide. Other volatiles will be oligomers of PET, acetaldehyde and Low molecular weight alcohols/aldehydes.
Hazardous label(s):	Small. Hazardous polymerization will not occur.
	Molten polymer will adhere to the skin causing deep
Toxicological characteristics:	thermal burns.
	May cause irritation if dust comes in contact with eye.
Substances present at a concentration	-
below the minimum danger:	
Other component:	-

3. IDENTIFICATION OF HAZARDS

Risk phrases:	None known
Skin contact:	Molten polymer will adhere to the skin causing deep
	thermal burns.
Eye contact:	May cause irritation if dust comes in contact with eyes
If swallowed:	NOT A PROBABLE ROUTE OF EXPOSURE.
Other information:	Polyester Fibers are coated with minor quantities of
	finish oils. Processes may volatilize portions of these
	finishes. Ventilation is recommended to minimize
	exposure to such finish mists, which should not exceed a
	concentration of 5 mg/m3 the ACGIH TLV for mineral
	oil.

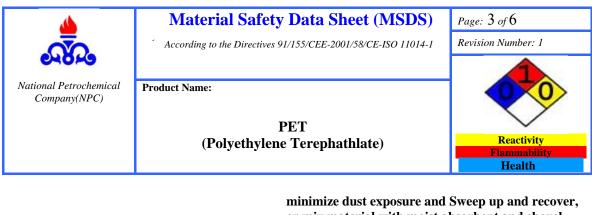


As a general rule, in case of doubt or if symp NEVER induce swallowing in an unconscion In case of exposure by inhalation:		
In case of splashes or contact with eyes:	Flush with water to remove particles.	
In case of swallowing:	No treatment required (no harm).	
Note of physician:	Fibers can be regarded as physiologically inert since, no poisoning or other injurious effects have been observed in cases where this material has been used internally (surgical sutures, Replacement of blood vessels, etc.)On external contact, no signs of dermatitis or other skin injury have been observed.	
5. FIRE FIGHTING MEASURES		
Flammable class:	Not determined	
Suitable extinguishing media:	Water, CO2, Dry Chemicals, Foam-Fog	
Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases:	Avoid excessive inhalation of smoke or potential thermal decomposition products. Wear self contained breathing apparatus meeting NIOSH standards.	
	Avoid excessive inhalation of smoke or	
Special protective equipment for fire	potential thermal decomposition products.	
fighting :	Wear self contained breathing apparatus	
	meeting NIOSH standards.	
	Wear self-contained breathing apparatus and	
Other information:	complete personal protective equipment when notential for exposure to products of combustion	

complete personal protective equipment when potential for exposure to products of combustion exists.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions:	The interior of molten masses may remain hot for some time because of the low heat conductivity of the polymer. Use care when disposing of molten masses.
Environmental precautions:	Do not breathe vapors or fumes that may be evolved during processing. Material can be handled hot/molten. Contact can cause burns. Avoid contact with molten material.
Methods for cleaning up and disposal:	Clean up by vacuuming or wet sweeping to



minimize dust exposure and Sweep up and recover, or mix material with moist absorbent and shovel into suitable chemical waste container. Contaminated area must be isolate.

Other information:

7. HANDLING AND STORAGE

The regulations relating to storage remises apply to workshop where the product is handled :

	TSCA Inventory Status: In compliance with
	TSCA Inventory requirements for commercial
	purposes.
	Under RCRA, it is the responsibility of the
	product user to determine at the time of disposal
	whether a material containing the product or
	derived from the product should be classified as a
	Hazardous waste (40 CFR 261.20-24).
	If discarded in its purchased form, this product
Handling:	does not meet the RCRA characteristic definition
Handling.	for ignitability, corrosivity or reactivity and is not
	a RCRA listed waste, however, it
	Has not been tested by the Toxicity Characteristic
	Leaching Procedure (TCLP).
	SARA, Title III: This material is not known to
	contain extremely hazardous substances. Do not
	breathe vapors or fumes that may be evolved
	during processing. Material can be handled
	hot/molten. Contact can cause burns. Avoid
	contact with molten material.
	Do not store near flame or incompatible
Storage:	materials. Maintain good housekeeping to control
	dust accumulations.
Specific use(s):	Keep containers closed to prevent contamination.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure limit values:Use local ventilation to control fumes from hot
processing.
Use static controls. Static charges can build up and
ignite dust or solvent laden atmospheres.
Design precautions into processes that can create
dust, such as pneumatic conveying systems,
Grinding and other physical operations. There is
the potential for a dust explosion hazard.Personal protective equipment:Wear self-contained breathing apparatus and

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	According to the Directives 91/155/CEE-2001/58/CE-ISO 11014	-1 Revision Number: 1
04040		
National Petrochemical Company(NPC)	Product Name:	
	PET	
	(Polyethylene Terephathlate)	Reactivity Flammability Health
F (1)	potential for exposure exists. For operations where	tective equipment when to products of combustion eye or face contact can
Eye protection:	shield is recommended	
Respiratory protection	occur, a NIOSH appro	inhalation exposure can wed respirator ndustrial hygienist may be
Hand protection:	Protective gloves are r handling hot polymer.	-
Skin and body protect	Long sleeve cotton shi	rt and long pants if handlin
Health measures:	Local exhaust ventilati	ions may be necessary

for some operation

PEL (OSHA): None Established TLV (ACGIH): None Established

5 mg/m3, 8 Hr. TWA, respirable dust

Environmental exposure controls:

9. PHYSICAL AND CHEMICAL PROPERTIES

General information:

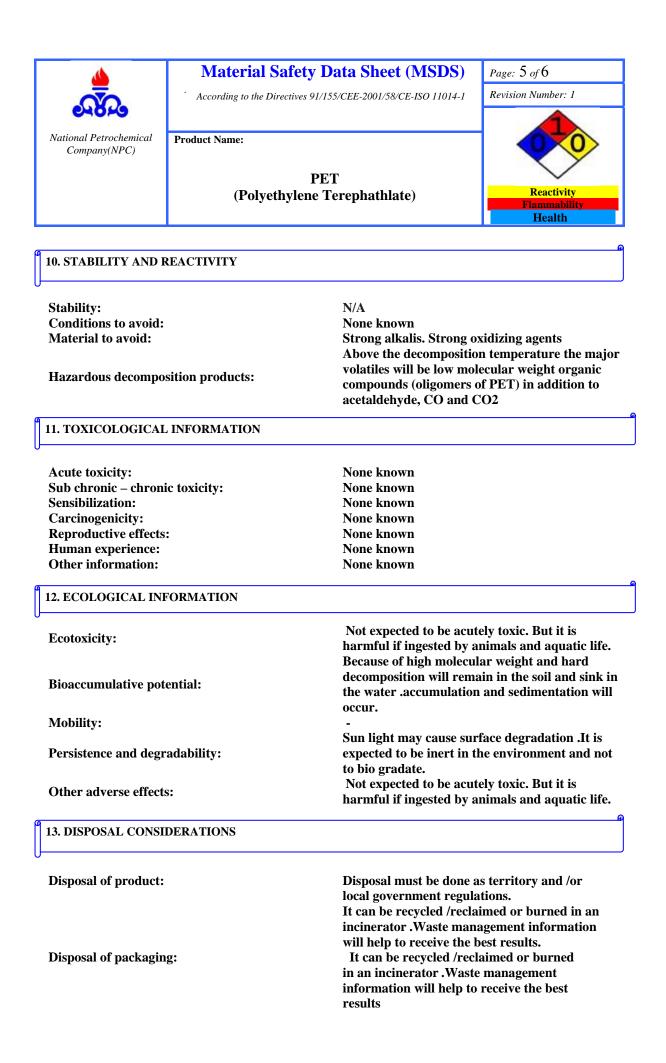
Appearance(at 20°C):

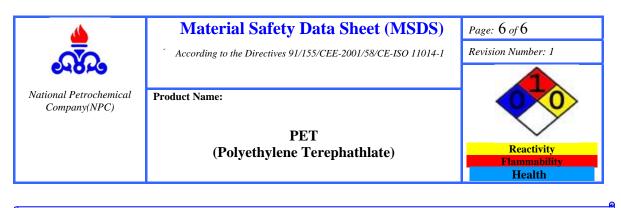
Colour: Odour: PH (at 20°C): Boiling point/range (°C): Flash point (°C): Flammability: Auto-ignition temperature: Explosive properties: Oxidising properties: Vapour pressure(at 20°C): Density (at 20°C):

Solubility (at 20°C):

Viscosity (40°C): Evaporation rate: Other information: **Pellets or Molten Polymer** STOCK SHAPE MAY BE ROD, PLATE, TUBE, **OR STRIP FORM.** Clear to gravish white ESSENTIALLY ODORLESS Not Applicable Not determined 440°C Method: ASTM 09129-68 1 500°C N/A N/A N/A 1.38 g/cm3 water solubility: Insoluble in water Solubility in fats: Insoluble in fats. N/A N/A None

AEL* (DuPont): 10 mg/m3, 8 Hr. TWA, total dust





14. TRANSPORT INFORMATION

Land transport: ADR/RID: Packaging group:	Not classified Not classified Not classified	
Maritime transport:	Not classified	
Air transport:	Not classified	
15. REGULATORY INFORMATION		e
Hazardous label(s):	NA	
Safety phrases: Risk phrases:	None known None known	
		G

16. OTHER INFORMATION

Polyester Fibers are coated with minor quantities of finish oils. Processes may volatilize portions of these finishes. Ventilation is recommended to minimize exposure to such finish mists, which should not exceed a concentration of 5 mg/m3 the ACGIH TLV for mineral oil.

The contents and format of this MSDS are in accordance with EEC Commission Directive 2001/58/EC

Disclaimer of liability:

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