

## SAFETY DATA SHEET

SAFETY DATA SHEET In accordance with Regulation Annex I to Commission Regulation 453/2010

DATE OF ISSUE 24 February 2014 UPDATED ON 14 May 2020

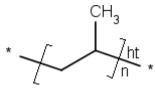
# SAFETY DATA SHEET

# Cast Polypropylene(CPP)

#### 1.0 IDENTIFICATION OF THE SUBSTANCE AND OF THE COMPANY

## 1.1 Product identifier:

REACH Registration Number	Not applicable.		
EC#	Name of substance	CAS	EC
	Polypropylene	9003-07-0	Not available
	aluminium	7429-90-5	231-072-3
Trade Name:	FLEXCPP ™ & FLEXMETPROT	ECT™	
Substance Name	Polypropylene and its Copolymer	/Terpolymer/Aluminu	m metalized.
Synonym:	Cast Polypropylene		
Chemical classification	Polyolefin		
Chemical Formula	Propene Homo polymer, (C3H6)	n- (min.90%)	
Structural Formula			



## 1.2 Relevant identified uses of the substance or mixture and uses advised against

## Relevant identified uses:

- Flexible packaging application.
- Decorative application.
- Industrial application.
- Food packaging.

Manufacturing Sites:	

- 1) India: UFLEX LIMITED (Film Business), A-1, Sector-60, NOIDA 201 301, U.P. INDIA., Tel: +91 (120) 4002121, 3982121, Fax: +91 (120) 2580511, 2580003, E-Mail: enquiry@flexfilm.com
- Egypt: FLEX P. FILMS (EGYPT) S.A.E, Plot no. R2 in Engineering Square (e2),, Plot no. 3 in North Extension of Industrial Zone., 6 October City., Arab Republic of Egypt, Tel: +202 38283000, Fax: +202 38283050, E-Mail: enquiry@flexfilm.com



# **SAFETY DATA SHEET**

Building protection.			
Cosmetic packaging.			
Uses advised against: No data available.			
1.3 Details of the Supplier of the Safety D	Data Sheet		
Manufacturer/Supplier		UFLEX LIMITED	
Street address/P.O. Box		A-1,SECTOR-60,NOIDA – 2013	301
Country ID/Postcode/Place		(U.P), INDIA	
Telephone number (if possible, indicate	telefax)	+91 120-3982121, 3982535, 398 Fax: +91 120-2580152, 258051	
Email ID		ajay.gupta@uflexltd.com	
		web site : www.flexfilm.com	
National contact:		Mob. No. +91-9910048152	Phone +91-120-3982-633
1.4 Emergency telephone number			
Only available during of	fice hours.	+91 120-3982121, 3982535, 39	82658
2.0 HAZARDS IDENTIFICATION			
2.1. Classification of the substance or m	ixture to CLP		
2.1.1. Classification according to Regula	tion (EC) No 1	272/2008 (CLP/GHS)	
Not a dangerous substance according to GI			
This substance is not classified as dangerou	us according to	Directive 67/548/EEC.	
		(202)	
2.1.2. Classification according to Directive		•	
This substance is not classified as dangeror	us according to	Directive 67/548/EEC.	
2.1.3 Additional information: No data ava	ilable.		
2.2. Label elements (CLP only) Labeling	according to I	Regulation (EC) No 1272/2008 (CL	P/GHS)
Classification and labeling according to		· · ·	<u>'</u>
Globally Harmonized System (GHS):	Lo Negulation	TLO, 1212/2000 (OLF Negulation	, and
Label elements			
	no loballina	required (no dengeration)	
GHS Pictogram		required (no dangerous properties)	
Signal Word	No signal wo		•
Hazard Statement	no classifica	tion required (no dangerous propert	les)
Precautionary Statement prevention P280: Wear protective gloves/protective clothing/eye protection/face protection		g/eye protection/face protection	

Manufacturing Sites: \_\_\_\_\_\_

<sup>1)</sup> India: UFLEX LIMITED (Film Business), A-1, Sector-60, NOIDA - 201 301, U.P. INDIA., Tel: +91 (120) 4002121, 3982121, Fax: +91 (120) 2580511, 2580003, E-Mail: enquiry@flexfilm.com

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	F	261: Avoid breathi	ng dust/fume/gas/mist/vapours/spray		
	F	2262: Do not get in	eves, on skin, or on clothing		
Precautionary Statement Storage		P262: Do not get in eyes, on skin, or on clothing P402+404: Store in a dry place. Store in a closed container			
2.3. Other hazards \$	Substance meets the crit	teria for PBT OR v	PvB according to Regulation (EC) 1907/2006, Annex XIII		
None					
	INFORMATION ON INGR				
CAS No And	EC No	% Purity	Classification according to Regulation (EC) No 1278/2008 (CLP).		
9003-07-0	Not available	> 99.0%	no classification required (no dangerous properties)		
7429-90-5	231-072-3	< 0.1%	no classification required as concentration is less than 0.1 %.		
4.0 FIRST AID MEAS	SURES				
4.1. Description of f	irst aid measures				
<u> </u>		ustrial hygiene prac	etices.		
General notes	Observe good ind  Exposure to hot r  treatment at hospi	molten material. In tal or medical cente	this case: Rinse with plenty of water. Seek immediate specia		
4.1. Description of f General notes Eye contact Skin Contact	Observe good ind  Exposure to hot r  treatment at hospi and seek medical  Exposure to hot m  (risk of sticking to Injured area shoul	molten material. In tal or medical cente advice. nolten material. In th skin) or do not try r d be treated as bur	this case: Rinse with plenty of water. Seek immediate special r in case of irritation caused by vapours or fumes wash with water his case: Rinse with plenty of water. Do NOT remove clothing emoving adhering material.		
General notes Eye contact	Observe good ind  Exposure to hot r treatment at hospi and seek medical Exposure to hot m (risk of sticking to Injured area shoul Seek medical advi Fumes and vopou	molten material. In tal or medical cente advice. nolten material. In the skin) or do not try rid be treated as bur ce immediately. Hours produced by hea	this case: Rinse with plenty of water. Seek immediate special r in case of irritation caused by vapours or fumes wash with water his case: Rinse with plenty of water. Do NOT remove clothing emoving adhering material.		
General notes Eye contact Skin Contact Inhalation Ingestion	Observe good ind  Exposure to hot r  treatment at hospi and seek medical  Exposure to hot m  (risk of sticking to Injured area shoul Seek medical advi  Fumes and vopou Bring patient into the	molten material. In tal or medical cente advice. nolten material. In the skin) or do not try red be treated as burce immediately. Hours produced by headresh air; get medic	this case: Rinse with plenty of water. Seek immediate special r in case of irritation caused by vapours or fumes wash with water his case: Rinse with plenty of water. Do NOT remove clothing emoving adhering material.  ns.  wever, use of protective gloves/clothing is good industrial practicated or burnt material may be irritating for the reparatory track. all advice if the symptoms continue.		
General notes Eye contact Skin Contact Inhalation Ingestion	Observe good ind  Exposure to hot r treatment at hospi and seek medical Exposure to hot m (risk of sticking to Injured area shoul Seek medical advi Fumes and vopou	molten material. In tal or medical cente advice. nolten material. In the skin) or do not try red be treated as burce immediately. Hours produced by headresh air; get medic	this case: Rinse with plenty of water. Seek immediate special r in case of irritation caused by vapours or fumes wash with water his case: Rinse with plenty of water. Do NOT remove clothing emoving adhering material.  ns.  wever, use of protective gloves/clothing is good industrial practicated or burnt material may be irritating for the reparatory track. all advice if the symptoms continue.		
General notes Eye contact  Skin Contact  Inhalation Ingestion 4.2. Most important No data available.	Observe good ind  Exposure to hot r treatment at hospi and seek medical Exposure to hot m (risk of sticking to Injured area shoul Seek medical advi Fumes and vopou Bring patient into the	molten material. In tal or medical cente advice. nolten material. In the skin) or do not try red be treated as burce immediately. Hours produced by head resh air; get medical both acute and de	this case: Rinse with plenty of water. Seek immediate special r in case of irritation caused by vapours or fumes wash with water his case: Rinse with plenty of water. Do NOT remove clothing emoving adhering material.  ns.  wever, use of protective gloves/clothing is good industrial practice ated or burnt material may be irritating for the reparatory track. all advice if the symptoms continue.  layed		
General notes Eye contact  Skin Contact  Inhalation Ingestion 4.2. Most important No data available. 4.3. Indication of an	Observe good ind  Exposure to hot retreatment at hosping and seek medical  Exposure to hot medical for the first of sticking to a linjured area should seek medical advivible. Fumes and vopous Bring patient into the symptoms and effects, by immediate medical attributes.	molten material. In tal or medical cente advice. nolten material. In the skin) or do not try right doe treated as burce immediately. Hours produced by heafresh air; get medical both acute and defention and special	this case: Rinse with plenty of water. Seek immediate speciar in case of irritation caused by vapours or fumes wash with water his case: Rinse with plenty of water. Do NOT remove clothing emoving adhering material.  ns.  wever, use of protective gloves/clothing is good industrial practicated or burnt material may be irritating for the reparatory track. all advice if the symptoms continue.  layed		
General notes Eye contact  Skin Contact  Inhalation Ingestion 4.2. Most important No data available. 4.3. Indication of an	Observe good ind  Exposure to hot retreatment at hospi and seek medical  Exposure to hot medical exposure to hot medical seek medical adviction of sticking to linjured area should seek medical adviction of seek medical adviction of symptoms and effects,  Exposure to hot medical attributes and vopour seek medical adviction of symptoms and effects,  Exposure to hot retreatment of seek medical attributes and seek medical	molten material. In tal or medical cente advice. nolten material. In the skin) or do not try right doe treated as burce immediately. Hours produced by heafresh air; get medical both acute and defention and special	this case: Rinse with plenty of water. Seek immediate special r in case of irritation caused by vapours or fumes wash with water his case: Rinse with plenty of water. Do NOT remove clothing emoving adhering material.  ns.  wever, use of protective gloves/clothing is good industrial practice ated or burnt material may be irritating for the reparatory track. all advice if the symptoms continue.  layed		
General notes Eye contact  Skin Contact  Inhalation Ingestion 4.2. Most important No data available. 4.3. Indication of an	Observe good ind  Exposure to hot retreatment at hospi and seek medical  Exposure to hot medical exposure to hot medical seek medical adviction of sticking to linjured area should seek medical adviction of seek medical adviction of symptoms and effects,  Exposure to hot medical attributes and vopour seek medical adviction of symptoms and effects,  Exposure to hot retreatment of seek medical attributes and seek medical	molten material. In tal or medical cente advice. nolten material. In the skin) or do not try right doe treated as burce immediately. Hours produced by heafresh air; get medical both acute and defention and special	this case: Rinse with plenty of water. Seek immediate special r in case of irritation caused by vapours or fumes wash with water his case: Rinse with plenty of water. Do NOT remove clothing emoving adhering material.  ns.  wever, use of protective gloves/clothing is good industrial practice ated or burnt material may be irritating for the reparatory track. all advice if the symptoms continue.  layed		
General notes Eye contact  Skin Contact  Inhalation  Ingestion  4.2. Most important  No data available.  4.3. Indication of an  No specific advice.	Observe good ind  Exposure to hot retreatment at hospi and seek medical  Exposure to hot medical exposure to hot medical at the seek medical advicts of sticking to seek medical advicts of sticking to seek medical advicts of seek medical advicts of seek medical at the seek medical attempt of symptoms and effects, or symmetric medical attempt of symptoms are seek medical attempt of symptoms and effects, or symmetric medical attempt of symptoms and effects.	molten material. In tal or medical cente advice. nolten material. In the skin) or do not try right doe treated as burce immediately. Hours produced by heafresh air; get medical both acute and defention and special	this case: Rinse with plenty of water. Seek immediate speciar in case of irritation caused by vapours or fumes wash with water his case: Rinse with plenty of water. Do NOT remove clothing emoving adhering material.  ns.  wever, use of protective gloves/clothing is good industrial practice ated or burnt material may be irritating for the reparatory track. all advice if the symptoms continue.  layed		

Manufacturing Sites: \_\_\_\_\_

<sup>1)</sup> India: UFLEX LIMITED (Film Business), A-1, Sector-60, NOIDA - 201 301, U.P. INDIA., Tel: +91 (120) 4002121, 3982121, Fax: +91 (120) 2580511, 2580003, E-Mail: enquiry@flexfilm.com

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### 5.2. Special hazards arising from the substance or mixture

### **Hazardous combustion products:**

- Complete combustion with excess of oxygen foams: s carbon dioxide and water vapour.
- Incomplete combustion gives, in addition, carbon monoxide, and vapor.

## 5.3. Advice for fire-fighters

Stop the fire spreading, call the Fire brigade immediately, evacuate non-essential personal. Protective clothing's, goggles and self contained breathing equipment should be made available for fireman.

#### Other information

Special Remarks on Fire Hazards	Wear suitable Self-contained breathing equipment in case of risk of exposure to
	vapors or fumes.

#### 6.0 ACCIDENTAL RELEASE MEASURES

### 6.1. Personal precautions, protective equipment and emergency procedures

#### 6.1.1 For non-emergency personnel

### **Protective equipment:**

Avoid inhalation of dust and contact with skin and eyes. Wear appropriate personal protective equipment.

#### 6.1.2 For emergency responders

Remove ignition sources from the powdered grades. Keep away from heat or flame. Sweep up with a minimum of dusting. Collect in container, e.g. fiberboard drum or carton.

### 6.2 Environmental precautions:

Keep out of drains and water sources.

### 6.3 Methods and material for containment and cleaning up

#### 6.3.1 For containment:

Avoid dust formation. Collect dust using a vacuum cleaner equipped with HEPA filter. If not possible, gently moisten dust with water fog before it is collected with shovel, broom or the like. Flush area with water.

### 6.3.2 For cleaning up:

Pick up mechanically. Dispose according to local and National regulations. Refer 8 and 13 regarding slippery behavior of PP film on floor.

### 6.3.3 Other Information:

No data available.

### 6.4 Reference to other sections:

None

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#### 7.0 HANDLING AND STORAGE

### 7.1 Precautions for safe handling

### Protective measures:

- Keep away from ignition sources.
- Observe the general rules of industrial fire protection.
- Keep the film at room temp. 24hrs.prior to processing.
- Keep original wrapping on the film until it is used. In case the roll is partially used, the balance roll should be preserved on the standard packing with sticker.
- Film rolls should be moved only with equipment designed for the purpose as film rolls and pallets are heavy. Film edges are sharp and may cause cuts/wounds, handle with most care.
- In most of the processes where there is a movement of film over metal roller, Static electrical charges develop on the film, which may provide source of ignition to flammable vapors and gases or may give static shock to operator. Avoid static buildup.

## Measures to prevent fire:

Keep away from sources of ignition - No smoking. Store in a cool, dry place out of direct sunlight. Ground container and transfer equipment to eliminate static electric sparks. Store away from incompatible materials.

## Measures to prevent aerosol and dust generation:

No data available.

#### **Measures to protect the environment:**

Keep out of drains and water sources.

### Advice on general occupational hygiene:

- ADEQUATE PERSONAL PROTECTIVE EQUIPMENT INCLUDING GLOVES, IMPERVIOUS SLEEVES & APRONS &
  EYE & FACE SHIELDS SHOULD BE PROVIDED.
- WHERE WORKERS REQUIRED TO ENTER CONFINED SPACES & TANKS THAT HAVE CONTAINED OLEFINS OR
  OTHER AREAS WHERE OXYGEN CONTENT MAY BE LESS THAN 16%/ AN OXYGEN-CARBON DIOXIDE...SUPPLY
  SHOULD BE AVAIL AT WORKPLACE FOR RESUSCITATION.

## 7.2 Conditions for safe storage, including any incompatibilities

## Technical measures and storage conditions:

- Does not require special storage conditions. It is recommended to store below 30 °C in order to avoid any deterioration of the film surface properties.
- Use both the films by FIFO system & it is advised to rotate the film stock.
- Shelf life: 3 months for bare film (FLEXCPP ™) and metallized film (FLEXMETPROTECT ™) from the date of dispatch.

## Packaging materials:

Keep packages closed to prevent contamination.

### Requirements for storage rooms and vessels:

Same as mentioned above.

Manufacturing Sites:	
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# **SAFETY DATA SHEET**

7.3. Specific end use(s)	
Same as mentioned in section 1.2	
8.0 EXPOSURE CONTROLS/PERSONAL PROTECTION	
8.1 Control parameters	
No data available.	
8.2 Exposure controls	
<ul> <li>Personal protective equipment should be chosen according to the personal protective equipment.</li> <li>Standard usage condition of material does not generate the dust</li> </ul>	
8.2.1. Occupational Exposure controls	3. particion
Standard usage condition of material does not generate the dust particle	98.
8.2.2 Personal protection equipment:	
If contact with hot molten material is possible, wear heat insulating and goggles for eyes.	chemical proof gloves and clothes and face shield and
8.2.2.1 Eye and face protection:	
Normal eye protection practices should be used. If dusty conditions exi	ist, chemical goggles are recommended.
8.2.2.2 Skin protection:	
If contact with hot molten material is possible, wear heat insulating and goggles for eyes.	chemical proof gloves and clothes and face shield and
Hand protection:	
No protection is ordinarily required under normal conditions of use. It is	a good industrial hygiene practice to minimize skin contact
Other skin protection:	
Slabs of film on the floor can be slippery. Exercise due care in areas wh	nere slippage can occur.
8.2.2.3 Respiratory protection:	
In case of risk of exposure to dust, vapour or fumes generated by thermolocal exhaust system is placed above the converting equipment (hood) at 2.2.2.4 The small beautiful.	
8.2.2.4 Thermal hazards:	
The material is combustible if exposed to flames; handling of material material of ignition for other flammable material.	ay create electrical charges and spark which may be cause
8.2.3 Environmental exposure controls:	
Environmental manager must be informed of all major spillages.	
O O DUVELCAL AND CUEMICAL DECREPTIO	
9.0 PHYSICAL AND CHEMICAL PROPERTIES	

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Manufacturing Sites:



# **SAFETY DATA SHEET**

9.1 General Information		
Physical state	Plastic Film(Solid)	
Color	Transparent, Translucent, Opaque, Pearl	
Odor	Odorless	
9.2 Important health, safety and env	vironmental information	
pH(1% soln/water)	No data available.	
Molecular Weight	No data available.	
Boiling point/boiling range	No data available.	
Melting point	160 - 165 °C.	
Density	0.9 - 0.95 gm/cm3	
Flash point	350°C	
Flammability (solid, gas)	No data available.	
Auto ignition point	>380°C	
Solubility	Insoluble in common organic solvents.	
Water solubility:	Practically insoluble.	
9.3 Other information		
Std. enthalpy of formation $\Delta_f H^{o}_{298}$	No data available.	
Standard molar antropy S <sup>o</sup> <sub>298</sub>	No data available.	
Standard moiar antropy 3-298	ino data avaliable.	
10. STABILITY AND REACTIVITY		
10.1 Reactivity		
Stable under normal conditions of use	e up to 45°C.	
10.2 Chemical stability		
No data available.		
10.3 Possibility of hazardous reacti	ons	
No hazardous reactions known under	normal atmospheric conditions.	
10.4 Conditions to avoid		
Do not heat to temperature exceeding	g 235 deg. C	
10.5 Incompatible materials		
No data available.		
10.6 Hazardous decomposition pro-	ducts	
No data available.		

Manufacturing Sites:
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# **SAFETY DATA SHEET**

11 TOXICOLOGICAL INFORMA	ATION	
11.1. Information on toxicolog	ical effects	
Acute effects (acute toxicity, in	ritation and corrosivity) Acute Toxic	ity
Skin corrosion/irritation: The o	contact with hot molten material may cau	use severe burns.
Serious eye damage/irritation:	No data available.	
Respiratory or skin sensitizati	on: No data available.	
Germ cell mutagenicity: No da	ta available.	
	N: Group 3: The agent is not classifiabl	in humans. Inadequate evidence of carcinogenicity in e as to its carcinogenicity to humans.
Carcinogenicity: No data availa		
Reprotoxic Effects: No data av		
Reprotexio Errecto. No data av	anabio.	
Other Toxic Effects on Human	s·	
Inhalation:		orm vapors or fumes which may cause irritation to the
	respiratory tract.	
Eyes:	If heated to 235 °C, the product may form vapors or fumes which may cause irritation to the eyes	
Ingestion	Material is biologically inert.	
Chronic toxicity	Data lacking.	
<u> </u>	s To Life or Health Concentration (IDI	LH):
Data lacking.		
Specific target organ toxicity (	single exposure)	
Data lacking.		
Specific target organ toxicity (	repeated exposure)	
No data available.		
Aspiration hazard		
11.1.188 Acute Toxicity:		
Method:	Data lacking.	
12. ECOLOGICAL INFORMATION	ON	
12.1 Ecotoxicity		
12.1.1 Acute aquatic toxicity (\	Vith M factor)	
Method		Results
Data lacking		

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Manufacturing Sites: \_\_\_\_\_



# SAFETY DATA SHEET

12.1.2. Chronic aquatic toxicity: freshwater
Data lacking.
12.1.3. Chronic aquatic toxicity: marine waters
Data lacking.
12.1.4. Sediment toxicity
Data lacking.
12.1.5. Soil toxicity
Data lacking.
12.1.6. Toxicity to micro-organisms in STP
Data lacking.
12.2 Persistence and degradability
Non biodegradable, non compostable
12.3 Bioaccumulative potential
Data lacking.
12.4 Mobility in soil
Data lacking.
12.5 Results of PBT and vPvB assessment
Data lacking.
12.6 Other adverse effects
Data lacking.
12.7 Additional information
No bioconcentration is expected because of the relatively high molecular weight (MW greater than 1000). In the terrestrial environment, material is expected to remain in the soil. In the aquatic environment, material is expected to float.
13 DISPOSAL CONSIDERATIONS
13.1. Waste treatment methods
13.1.1 Product / Packaging disposal:
Waste codes / waste designations according to LoW:
Pick up film to avoid a slipping hazard.
13.1.2 Waste treatment-relevant information:
Pick up film to avoid a slipping hazard.
13.1.3 Sewage disposal-relevant information:

- Manufacturing Sites: \_\_\_\_\_\_

Dispose in accordance with local regulations, Landfill is preferred. Forced draft incineration is an alternate or recycling

Dispose in accordance with local regulations, Landfill is preferred. Forced draft incineration is an alternate or recycling

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13.1.4 Other disposal recommendations:

**14 TRANSPORT INFORMATION** 



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14.1. UN number	Not restricted
14.2. UN proper shipping name	Not restricted
14.3. Transport hazard class (as)	Not restricted
14.4. Packing group	Not restricted
14.5. Environmental hazards	Not restricted

#### 15 REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

EU regulations: This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006 and CLP regulation.

Authorisations and/or restrictions on use: None

Authorisations: None

Restrictions on use: None

Other regulations: Not a dangerous substance according to GHS as the substance is not intended to be released from article.

### 15.2. Chemical Safety Assessment

**Chemical safety assessment:** A chemical safety assessment has been carried out for the substance or the mixture by the supplier.(LR)- No

#### **16 OTHER INFORMATION**

#### **Technical Advice**

Use data given in this Safety Data Sheet and make an inventory list of all chemicals used in the factory.

Create a Register for Workplace Chemicals.

Set priorities concerning the safety in the organization.

Create emergency plans for the assessed hazards.

Organize occupational health care and regular surveys as necessary.

Organize contacts with authorities/laboratories to create a monitoring system for chemical hazards, and to reliably measure and/or estimate occupational exposures to chemicals when needed.

Start collecting case studies of accidents and sickness records in the enterprise to create a basis for priority measures in the control of hazards.

Involve workers in safety organizations, such as the system of Safety Representatives and Committees.

Do regular inspection using checklists made for the particular chemicals and chemical processes in use.

Mark and label all chemicals.

Keep at hand an inventory list of all chemicals handled in the place of work together with a collection of Chemical Safety Data Sheets for these chemicals;

Train workers to read and understand the Chemical Safety Information, including the health hazards and routes of exposure; train them to handle dangerous chemicals and processes with respect.

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Plan, develop and choose the safe working procedures.

	•		•	<b>~</b> :-
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- 2) Egypt: FLEX P. FILMS (EGYPT) S.A.E, Plot no. R2 in Engineering Square (e2),, Plot no. 3 in North Extension of Industrial Zone,, 6 October City,, Arab Republic of Egypt, Tel: +202



# SAFETY DATA SHEET

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Reduce the length of time and/or frequency of exposure of workers to dangerous chemicals.

Train workers to know and understand the emergency procedures.

Equip and train workers to use personal protective equipment properly after everything possible has been done to eliminate hazards by means of other methods.

## Abbreviations and acronyms:

DNEL: Derived No-Effect Level.

PNEC: Predicted No-Effect Concentration.
PBT: Persistent, bioaccumulative and toxic.
vPvB: Very Persistent and very Bioaccumulative.

CLP: Regulation No. 1272/2008. DSD: Directive 67/548/EEC.

### Key literature references and sources for data

OECD ECHA

HSDB® - Hazardous Substances Data Bank

Registry of Toxic Effects of Chemical Substances (RTECS)

# Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

Not a dangerous substance according to GHS as the substance is not intended to be released from article.

### Relevant R-phrases and/or H-statements (number and full text):

This substance is not classified as dangerous according to Directive 67/548/EEC.

#### **Further information:**

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Manufacturing Sites:
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