

## 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

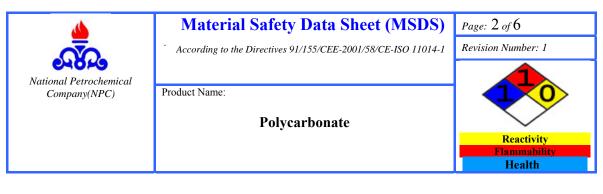
Manufacturer subcontractor: Emergency phone number: Contact email: Fax: Association/Organization: Use of the substance/Preparation:

#### **POLYCARBONATE RESINE (PC)**

Iran (Islamic Republic of Iran) 24936-68-3 POLY (BISPHENOL-A CARBONATE), POLY(OXYCARBONYLOXY 1,4PHENYLENE (1-METHYL ETHYLIDENE)-1,4PHENYLENE National Petrochemical Company Iran Petrochemical Commercial Company (IPCC) None 00982188881735 msds@petrochem-ir.net 00982188839511 None Thermoplastic, for fabrication.

2. COMPOSITION/INFORMATION ON INGREDIENT	'S	
Hazardous substances:	NA	
Hazardous label(s):	NA	
Toxicological characteristics:	NA	
Substances present at a concentration below the minimum danger:	NA	
Other component:	NA	

3. IDENTIFICATION OF HAZARDS	
Risk phrases:	Irritating to eyes and skin during thermal processing may cause sensitization by skin contact.
Skin contact:	Contact with heated material may cause thermal burns.
Eye contact:	May cause mechanical irritation.
Inhalation :	Inhalation unlikely at ambient temperature
If swallowed:	Not expected to present a significant ingestion hazard under anticipated conditions of normal use.
Other information:	Environmental hazard: toxic to aquatic organisms, may cause long-term adverse effect, in the aquatic environment.



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4. FIRST AID MEASURES	
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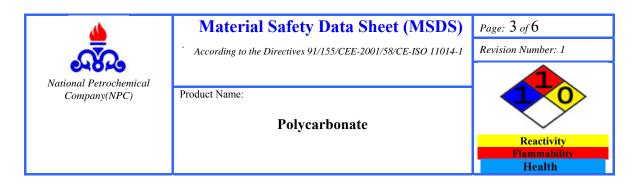
As a general rule, in case of doubt or if symptoms	s persist, always call a doctor	
NEVER induce swallowing in an unconscious person.		
Skin contact :	Remove affected clothing and wash all exposed	
	skin area with mild soap and water, followed by	
	warm water rinse.	
In case of exposure by inhalation:	Assure fresh air breathing.	
In case of splashes or contact with eyes:	Rinse immediately with plenty of water.	
	Obtain medical attention if pain, blinking or	
	redness persists.	
In case of swallowing:	If swallowed, seek medical advice immediately and	
Note of physician:	show this container or label.	

#### 5. FIRE FIGHTING MEASURES

6. ACCIDENTAL RELEASE MEASURES

Flammable class:	This product is not flammable.
Suitable extinguishing media:	Water, foam, dry chemical, carbon dioxide
Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases:	Hazardous combustion products may include intense heat, dense black smoke, carbon monoxide, carbon dioxide and hydrocarbon fragments.
Special protective equipment for fire fighting :	Fire fighters and others exposed to products of combustion should wear full protective clothing including self-contained breathing apparatus to protect against potentially toxic and irritating fumes.
Other information:	Fire fighting equipment should be thoroughly decontaminated after use. None

# Personal precautions:Spill should be handled by trained cleaning<br/>personnel property equipped with respiratory<br/>and eye protection.<br/>Spill area may be slippery.Environmental precautions:Prevent entry to sewers and public waters.<br/>May contaminate water supplies.<br/>Notify authorities if product enters sewers or<br/>public waters.Methods for cleaning up and disposal:Transfer spilled materials into suitable<br/>containers for recovery and disposal.<br/>None



# 7. HANDLING AND STORAGE

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

Handling: Storage: Handle in accordance with good industrial hygiene and safety procedures. Ensure prompt removal from eyes, skin and clothing. Wash hands and other exposed areas with mild soap and water before eat, drink or smoke and when leaving work.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure limit values: Exposure controls:

Personal protective equipment: Eye protection: Respiratory protection:

Hand protection: Skin and body protection:

Ingestion : Health measures: Environmental exposure controls:

#### NA

Good general ventilation should be sufficient for most processing operations. Local exhaust ventilation may be necessary for some operations. Reserved to industrial installations. Safety goggles. Not required if the ventilation system is efficient. Wear gloves made of cotton and canvas. No precautions other than clean bodycovering clothing should be needed. When working, do not eat, drink or smoke.

# 9. PHYSICAL AND CHEMICAL PROPERTIES

General information: Physical state @ RT Appearance (at 20°C): Colour: Odour: PH (at 20°C): Boiling point/range (°C): Flash point (°C): Flammability:

Auto-ignition temperature: Explosive properties: Poly carbonate resin Solid Stock shape may be rod, plate or tube form. Natural colorless, clear to opaque. odorless NA NA ~ 320 °C LFL: Not determined UFL: Not determined ~ 450 °C None



# Material Safety Data Sheet (MSDS)

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

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Product Name:

#### Polycarbonate

Revision Number: 1 Revision Number: 1 Reactivity Flammability Health

Oxidising properties: Vapour pressure (at 20°C): Specific gravity (at 20°C):

Bulk density : Solubility (at 20°C):

Viscosity (40°C): Evaporation rate: Other information: None not applicable 1.2 kgs/l 600-650 kg/m3 water solubility: Insoluble solubility in fats: NA ~ 5600 pas @ 285 °C None Molecular formula: ( C 16 H 14 O 3) m

## 10. STABILITY AND REACTIVITY

Stability: Conditions to avoid: Material to avoid: Hazardous decomposition products: Stable Temperatures above 420°C. None known. Phenol, Bisphenol -A, Carbon Dioxide, Carbon monoxide. Hazardous reaction: none under normal conditions. Hazardous polymerization: will not occur.

#### 11. TOXICOLOGICAL INFORMATION

Acute toxicity:

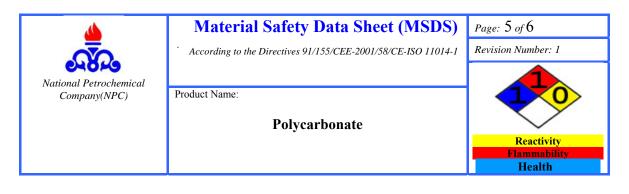
Sub chronic – chronic toxicity: Sensibilization: Carcinogenicity: Reproductive effects: Human experience: Other information:

#### No information available.

No information available. No information available. No information available. No information available. No information available. No information available.

#### **12. ECOLOGICAL INFORMATION**

Ecotoxicity: Bioaccumulative potential: Mobility: Persistence and degradability: Other adverse effects: No information available. No information available. No information available. No information available. No information available.



## **13. DISPOSAL CONSIDERATIONS**

**Disposal of product:** 

Avoid release to the environment. Dispose in a safe manner in accordance with local/national /international regulations.

**Disposal of packaging:** 

None

14. TRANSPORT INFORMATION

Land transport: ADR/RID: Packaging group:

No hazard for the transport and it is not covered by the US DOT/IMDG/ICAO/RID/ADR regulations.

Maritime transport:

Air transport:

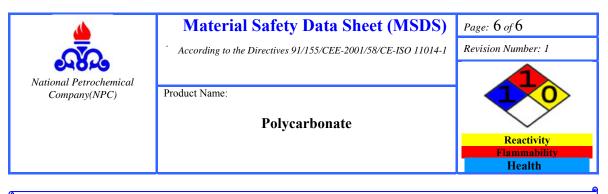
**15. REGULATORY INFORMATION** 

Hazardous label(s):

Safety phrases:

**Risk phrases:** 

S16:keep away from sources of ignition -NO SMOKING S26: incase of contact with eyes, rinse immediately with plenty of water and seek medical advice. S36/37/39: wear suitable gloves and eye/face protection. S61: avoid release to the environment. Refer to special instructions /safety data sheets. R36/38: irritating to eyes and skin. R43: may cause sensitization by skin contact. R51/53: toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.



# **16. OTHER INFORMATION**

N.F.P.A Rating: Health: 1 Flammability: 1 Physical Hazard : 0

Recommended uses and restrictions: Specifications and technical information on the products may be obtained by your dealer.

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

### Disclaimer of liability:

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