



**Egyptian Petrochemicals Co**

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## **Material safety Data Sheet** **Poly Vinyl Chloride**

### **SECTION 1. IDENTIFICATION OF THE PRODUCT & COMPANY**

Product Name : Poly Vinyl Chloride (P V C )  
Synonyms : Poly Vinyl Chloride (P V C )  
Formula : ( C<sub>2</sub>H<sub>3</sub>CL)<sub>n</sub>  
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### **SECTION 2. COMPOSITION / INFORMATION ON INGREDIENTS**

CHEMICAL NAME : PVC RESIN  
%(BY WT) : 30-60  
EXPOSURE LIMITS : N / A

### **SECTION 3. HAZARDS IDENTIFICATION**

Main Hazards : There is no known chronic exposure to this product.

### **SECTION 4. FIRST AID MEASURES**

Skin Contact : No Known Effect On SKIN Contact , Rinse With Water For A few Minutes  
Eye Contact : No Known Effect On Eye Contact , Rinse With Water For A few Minutes  
Ingestion : Do Not Ingest . Contact Poison Control & Seek Medical Attention Immediately  
Inhalation: Allow the Victim to Rest in A well Ventilated Area



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### **SECTION 5. FIRE – FIGHTING PROCEDURES**

**azardous Combustion products : HCL GAS , CO , CO<sub>2</sub> . Hazardous Emissions May Occur During Processing At Elevated Temperatures.**

**Recommended Fire Fighting Procedures : Small Fire : Use Dry Chemical , CO<sub>2</sub> , Water Spray Or Foam .**

**Large Fire : Use Water Spray , Fog Or Foam .**

**Do Not Use Water Jet . All Fires Produce Toxic Gases . Fire Fighter Should Use Self- Contained Breathing Apparatus & Full Protective Gear.**

**Unusual Fire & Explosion Hazards : Flammable When Exposed To External Ignition Sources Such As Shocks, Heat, Flames & Sparks.**

### **SECTION 6. HANDLING AND STORAGE**

**Handling & Storage : Keep Container Dry. Keep Container in Alcohol, Well Ventilated Area**

**Other Precautions : Use Process Enclosures , Local Exhaust Ventilation, or other Engineering Controls To Keep Airborne Levels Below Recommended Exposure Limit . Keep Away From Sources Of Ignition Steps To Be Taken In Case : Use Appropriate Tools To Put The Spilled Solid In A Convenient Material. Is Released Or Spilled.**

**Waste Disposal Container**

**Precautions To Be Taken : Recycle To Process If Possible. Consult Your Local or In Handling & Storage Regional authorities**



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## **SECTION 7. EXPOSURE CONTROLS / PERSONAL PROTECTION**

**Engineering Controls** : This Product Is Combustible.

**Ventilation** : Use Adequate Ventilation When Heat Welding This Product .

**Respiratory Protection** : A Self Contained Breathing Apparatus Should Be Used To Avoid Inhalation Of The Producty When Exposed To Extreme Temperatures.

**Eye Protection** : Use Safety Goggles When Appropriate .

**Skin Protection** : Use Impervious Gloves & Clothing When Appropriate

**Work Hygienic Practices** : Use Proper Protective Equipment at All Times & Wash After Handling Material.

## **SECTION 8. PHYSICAL & CHEMICAL PROPERTIES**

<b>Appearance &amp; Odor :</b>	<b>White Powder With No Limited Odor</b>
<b>Flash point :</b>	<b>301 C ( 573.8 F)</b>
<b>Method Used :</b>	<b>Closed Cup</b>
<b>Evaporation Rate :</b>	<b>N / A</b>
<b>PH ( Undiluted Product )</b>	<b>N / A</b>
<b>Solubility In Water :</b>	<b>Insoluble In Water (Cold/ Hot )</b>
<b>Vapor Density :</b>	<b>N / A</b>
<b>Vapor Pressure :</b>	<b>N / A</b>
<b>Lower explosive limit :</b>	<b>N / E</b>
<b>Upper explosive limit :</b>	<b>N / E</b>
<b>Boiling point :</b>	<b>400 F</b>
<b>Melting point :</b>	<b>320 F</b>
<b>Specific gravity :</b>	<b>1.32 ( water = 1 )</b>
<b>Percent volatile :</b>	<b>N / E</b>



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### SECTION 9. STABILITY & REACTIVITY

Thermal Stability : STABLE  UNSTABLE

Hazardous Decomposition Occurs At 400F.

Hazardous Decomposition Or Byproducts:HCL Gas Is Evolved

Hazardous Polymerization : None

### SECTION 10. TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION : N / A

### SECTION 11- ECOLOGICAL INFORMATION

Product is chemically neutral (inactive) ,does not react with popular common chemical compounds . It also does not react in contact soil , water and air .

Product is stable, product is not subject of degradation under normal conditions but in increased ones- see clause 9 . Avoid creation and inhalation of dusts.

### SECTION 12- DISPOSAL INFORMATION

S-PVC in powder aggregation becomes the waste in the moment, when it does not retain its processing properties.

In such case substance can be burned in controlled way in incinerating plants recovering HCl- main product of PVC decomposition and heat energy .

Paper bags after PVC can not be directed to paper recycling but have to be treated as waste .



**SECTION 13- TRANSPORT INFORMATION**

**Handling- Transport- Storage : in pneumatic transport – in bulk, avoid creation electrostatic charges, accumulation of which can lead to explosion. do not use connections made out of plastics but only from good metal conductors.**

**Ensure grounding for pipelines, tanks, cisterns.**

**Use smooth pipelines, avoid any contractions. Rubber hoses used in transportation should be wrapped with the wire with diameter from 4 mm and lead 0.1 – 0.15 mm.**

**Store in dry areas at temperature max. 40 °c.**

**S-PVC is intended to used as a raw ingredient in processing industry. Producer does not bear any responsibility for results of using of this product in any way than it is mentioned above.**

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**EGYPTIAN PETROCHEMICALS CO.**

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