

Poly Vinyl Chloride (PVC)

DESCRIPTION

PVC is manufactured by the Suspension Polymerisation of Vinyl Chloride Monomer.

CHEMICAL NAME & FORMULA

Poly Vinyl Chloride
(C₂H₃Cl)_n

CHEMICAL FORMATION

Resin

INPUT

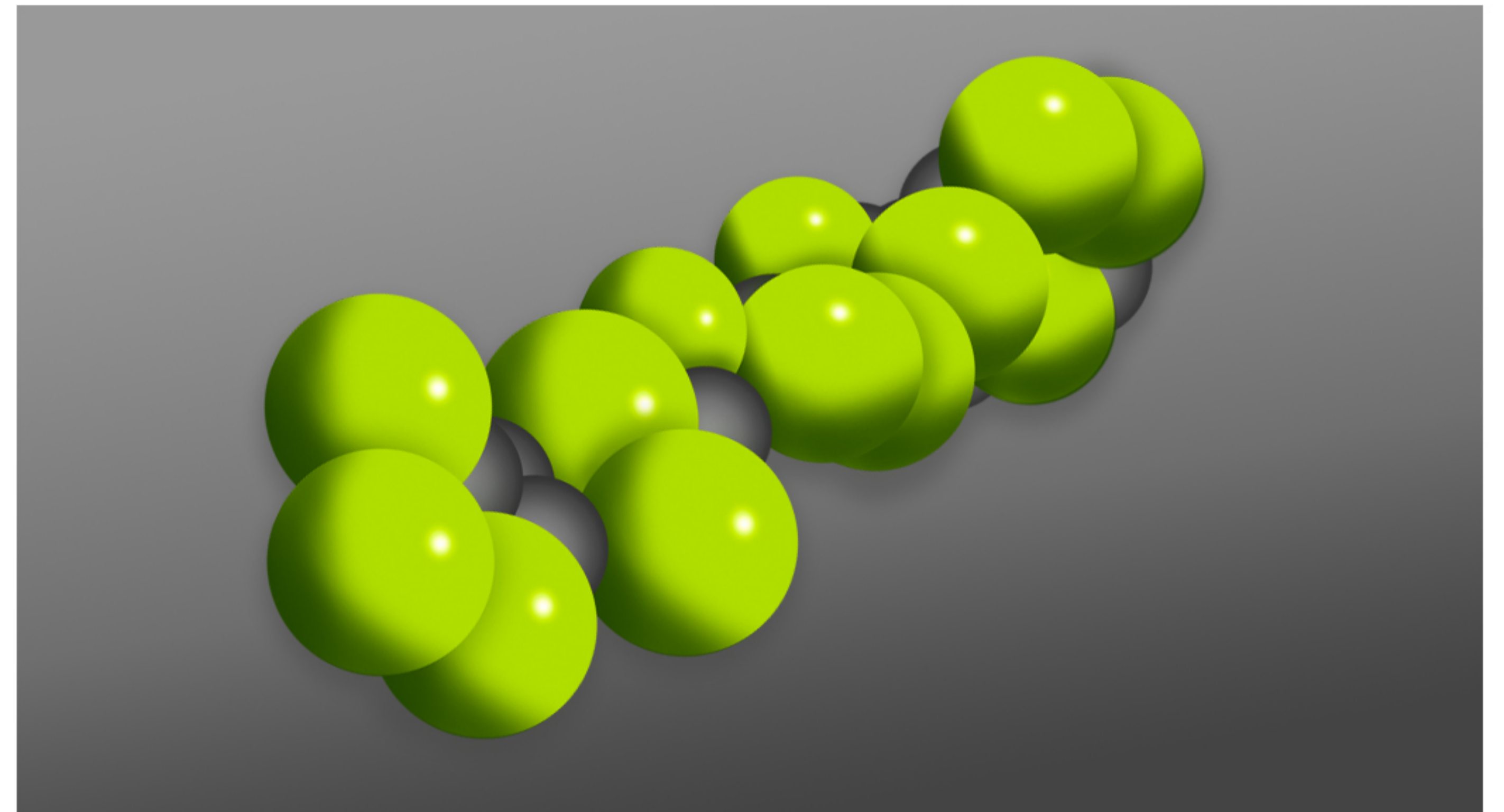
Vinyl Chloride Monomer

OUTPUT

PVC Resin

APPLICATIONS

Used to manufacture various products like Pipes, Bottles, Films etc.



Product Properties

Description	Poly Vinyl Chloride
Appearance	Pale White Powder
Corrosive	Non Corrosive
Flammability	Non Flammable
Solubility	Soluble in Cyclo Hexanone
Boiling Point	NA
Melting/Freezing Point	NA
Specific Gravity	1.14

Product Specifications

Tests	Grade of Resin		
	PRO 57	PRO 65	PRO 70
K-Value (0.5% cyclo hexanone @ 25oC) (ISO- 1628-2)	57 - 60	64 - 67	68 - 71
Bulk Density (gm/Cm³ min.)	0.48 - 0.62	0.49 - 0.60	0.47 - 0.56
Sieve Analysis 42 Mesh Pass (wt % max.)	99.9	99.9	99.9
Volatile Matter 105° C - 1.0 hour (wt % max.)	0.3	0.3	0.3
Foreign Matter (Nos max.)	32	32	32
Weight Variation (gms)	50 +/-	50 +/-	50 +/-

Related Information

PACKAGING & HANDLING

Material is packed in 25kg capacity HDPE woven bags inserted with LDPE liner.

TRANSPORT CLASSIFICATION

HS Code No. 3904.10
 IMDG Page No. 2186
 CAS No. 9002-86-2

PRODUCT USAGES

Pipe Industry, Automobiles & Sanitary fittings, Wires and Cables, Bottles, Containers, Transparent Films and Flexible Hoses.



Product Safety Data

Name of Product	Polyvinyl Chloride Resin
Composition / Components	Long chain polymer comprising plenty of VCM molecules
Hazard Identification	Non Hazardous
First Aid Measures	<p>Eye: Flush with water for at least 15 minutes. Do not rub eyes. If irritation develops, consult physician.</p> <p>Skin: Wash affected area with soap water. If irritation persists, get medical attention.</p> <p>Ingestion: Practically inert. If ingested, dilute swallowed material by drinking water and induce vomiting.</p>
Measures For Fire Fighting	Not Flammable
First Aid Measures In Case Of Unintentional Release	Remove sources of ignition, use adequate ventilation and wear a dust respirator. Sweep or vacuum up or shovel.
Handling & Storage	Use with adequate ventilation. Avoid contact with eyes and skin. As with handling of all powdered materials, accumulation of product should be removed from settling areas to prevent any secondary potential dust explosion or fire hazards. Under normal thermoplastic processing, always use product under well-ventilated conditions to minimize breathing of vapour generated. Store in cool, dry, well-ventilated area or silo, away from sources of heat, flame and sparks
Exposure Limit & Staff Protection Equipment	Use goggles or face shield for protection against dust. Minimize contact with skin and wear gloves or long sleeved clothing. Do not eat, drink or smoke in work area.
Physical & Chemical Properties	Pearl white powder without odour. Normally inert for all practical applications. Insoluble in water and soluble in Nitrobenzene, Cyclohexanone.
Stability & Reactivity	Stable. Avoid elevated temperature. If burnt, will generate Carbon Dioxide, Carbon Monoxide and Hydrogen Chloride.
Information Of Toxicology	Non-toxic. Inhalation may irritate and cause discomfort in nose and throat.
Information About Waste Disposal	May be disposed off safely by ordinary landfill or by incineration under State and local control regulations.
Information About Transport	No specific requirements. Transportable in Trucks in HDPE bags
Statutory Regulatory Information	Shipping Name: PVC Resin
Other Information	<p>H.S.Code: 3904.10</p> <p>IMDG Code Page No. 2186</p> <p>CAS No. 9002-86-2</p>