

Safety Data Sheet

Thumbhook Isolation Gown



1. Identification of the substance / Preparation and Company Information

Product name:	Thumbhook Isolation Gown
Article no.:	315740
Chemical family:	Long molecular chain belt organic chemicals
Chemical name:	Chlorinated Polyethylene (CPE)
Purpose:	Providing a protective barrier/infection control for many situations.
Name of supplier:	Eagle Protect
Address of supplier:	EPIC, Unit 5 76-106 Manchester St Christchurch Central 8011 New Zealand
Telephone:	0800 633 468
Fax:	0800 633 467
E-mail:	info@eagleprotect.co.nz
Website:	www.eagleprotect.co.nz
Emergency telephone:	In the case of an emergency please call 111.

2. Hazards Identification

General information:	Not classified as hazardous for transport.
Classification of the substance according to Directive 67/548/EEC or Directive 1999/45/EC or EC 1272/2008 (CLP):	This product does not meet the criteria for classification in any hazard class according to Regulation EC 1272/2008 on classification, labeling and packaging of substances and mixtures.
Labeling according to EU guidelines:	No labeling information about hazard pictogram, signal word, hazard statements and precautionary statements available. This product does not meet the criteria for classification in any hazard class according to Regulation EC 1272/2008 on classification, labeling and packaging of substances and mixtures.
Risk phrases:	N/A
Safety phrases:	N/A
Additional information:	No REACH registration number is given, as this substance is a polymer and exempted from registration according to article 2.9 in REACH Regulation.

3. Composition/Information on ingredients

Chemical name	Conc.	Classification 67/548/EEC	CAS No.	EC No.
Chlorinated Polyethylene	≥ 95.0%	Not classified	64754-90-1	Not available
Calcium Distearate	≤ 2.5%	Not classified	1592-23-0	216-472-8
Talc (Mg ₃ H ₂ (SiO ₃) ₄)	≤ 2.5%	Not classified	14807-96-6	238-877-9

Additional information:	N/A
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4. First Aid Measures

General information:	In all cases of doubt or when symptoms persist, seek medical attention.
After inhalation:	Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek a physician.
After skin contact:	If irritation occurs discontinue use and seek medical advice if symptoms persist. Wash skin with plenty of water. Seek medical attention as needed. If molten material comes in contact with the skin, do not apply ice but cool under running water. DO NOT attempt to remove the material from the skin. Removal could cause serious tissue damage. Seek medical attention immediately.
After eye contact:	Flush eyes thoroughly with water for several minutes. Remove contact lenses after the initial 1-2 minutes and continue flushing for several additional minutes. If effects occur, consult a physician, preferably an ophthalmologist. May cause injury due to mechanical action.
After ingestion:	If ingested, seek medical attention. May cause gastrointestinal blockage. Do not give laxatives. Do not induce vomiting unless directed to do so by medical personnel.
Notes for the Doctor:	If hydrogen chloride is liberated due to thermal degradation, treat as hydrogen chloride exposure. If burn is present, treat as any thermal burn, after decontamination. No specific antidote. Treatment of exposure should be directed at the control of the symptoms and the clinical condition of the patient.

4.1 Most Important symptoms and effects, both acute and delayed

Inhalation:	Dust may cause irritation to upper respiratory tract (nose and throat). Thermal degradation of the resin may generate chloride gas at concentrations, which may cause respiratory irritation.
Eye Contact:	Solids or dust may cause irritation or corneal injury due to mechanical action. Thermal degradation of the resin may generate hydrogen chloride gas at concentrations, which may cause eye irritation.
Skin Contact:	Prolonged contact is essentially non-irritating to skin. Mechanical injury only. Under normal processing conditions, material is heated to elevated conditions; contact with the material may cause thermal burns. No adverse effects anticipated by skin absorption.
Ingestion:	Very low toxicity if swallowed. Harmful effects not anticipated from swallowing small amounts. May cause choking if swallowed.

4.2 Indication of immediate medical attention and special treatment needed

Indications:	Persons with pre-existing skin, eye or respiratory disease may be at increased risk from the irritant or allergic properties of this material. Attending physician should treat exposed patients symptomatically.
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5. Firefighting Measures

Extinguishing Media:	Water, fog or fine spray. Dry chemical extinguisher. Carbon Dioxide extinguisher. Foam.
Special hazards arising from the substance:	Do not permit dust to accumulate. When suspended in air, dust can pose an explosion hazard. Minimise ignition sources. If dust layers are exposed to elevated temperatures, spontaneous combustion may occur. Dense smoke is emitted when burned without sufficient oxygen.
Hazardous Combustion Products:	During a fire, smoke may contain the original material in addition to combustion products of varying composition, which may be toxic and /or irritating. Combustion products may include and are not limited to: Carbon monoxide, Carbon dioxide, Hydrogen Chloride.

5.1

Fire Fighting Procedures:	Isolate fire and keep people away. Soak fire thoroughly with water to cool and prevent re-ignition. If material is molten, do not apply direct water steam. Use fine water spray or foam. Cool surroundings with water to localize fire zone. Hand held dry chemical or carbon dioxide extinguishers may be used for small fires. Dust explosion hazard may result from forceful application of fire extinguishing agents.
Protective Equipment:	Wear positive pressure self contained breathing apparatus (SCBA) and protective clothing (includes fire fighting helmet, coat, trousers, boots, gloves)

6. Accidental Release Measures

Personal precautions:	Spilled material may cause a slipping hazard. Use appropriate safety equipment. For additional information, refer to Section 8 of this SDS sheet.
Environmental precautions:	Prevent from entering soil, ditches, sewers, waterways and /or groundwater. See section 12, Ecological Information.
Methods and material for containment and cleaning up:	Contain spilled material if possible. Sweep up. Collect in suitable and properly labelled containers.

7. Handling and Storage

Precautions for safe handling:	No smoking, open flames or sources of ignition in handling and storage area. Good housekeeping and controlling of dusts are necessary for the safe handling of the product. Avoid breathing process fumes – use with adequate ventilation. When appropriated, unique handling information for containers can be found on the product label. Workers should be protected from the possibility of contact with molten resin. Do not get molten material in eyes, on skin or clothing. Pneumatic conveying and other mechanical handling operations can generate combustible dust.
Fire and explosion protection:	To reduce the potential for dust explosion, electrically bond and ground equipment and do not permit dust to accumulate. Dust can be ignited by static discharge.
Requirements to be met by storerooms and receptacles:	Store in a cool place. Keep container tightly closed in a dry and well-ventilated place.
Information about storage in one common storage facility:	Store in accordance with good manufacturing practices.
Further information about storage conditions:	Store away from incompatible materials (see section 10 of this SDS).

8. Exposure controls/personal protection

Additional information about design of technical facilities:	No information available
Ingredients with limit values that require monitoring at the workplace: (WEL= Workplace Exposure Limit)	No information available
Personal protective equipment:	No information available
General protective and hygienic measures:	No information available
Respiratory protection:	No information available
Protection of hands:	No information available

9. Physical and Chemical Properties

Appearance:	Blue CPE gown with thumbhooks
Form:	Solid in product form
Colour:	Blue (coloured material); White or Yellow CPE powder
Odour:	Odourless, non-toxic
pH Value:	No information available
PE Material Melting point:	No information available
PP Material Melting point:	-
Boiling point:	No information available
PP Flash point:	No information available
Flammability (solid, gaseous)	No information available
Ignition temperature:	No information available
Self-igniting:	No information available
Danger of explosion:	No information available
Explosion limits:	No information available
Vapour pressure at 20°C	No information available

Specific Gravity:	No information available
Density:	No information available
Freezing point:	Flexible at -30°, brittle at -70°
PE Material Breaking Point:	No information available
PE Material Elongation Raths:	No information available
Solubility in water:	No information available
Segregation coefficient (n-octanol /water):	No information available
Viscosity Dynamic: Kinematic:	No information available
Solvent content:	No information available
Solids content:	No information available
Other information:	Material has good tenacity and is miscible with various polymers due to its properties of both plastic and rubber. CPE135 shows excellent resistance to very low or high temperatures. Excellent resistance to weathering or age, ozone, chemicals and resistance to oil or flame.

10. Stability and Reactivity

Thermal decomposition/conditions to be avoided:	Strong heating, open flames. Exposure to elevated temperatures can cause product to decompose.
Hazardous polymerization:	No hazardous reaction known. Polymerization will not occur.
Reactivity:	Presents no significant reactivity hazards, by itself or in contact with water.
Stability:	Stable under recommended storage conditions
Incompatibility/Materials:	No information available.
Hazardous Decomposition Products:	Decomposition products depend upon temperature, air supply and the presence of other materials. Processing may release fumes and other decomposition products. At temperatures exceeding melt temperatures, polymer fragments can be released. Fumes can be irritating. Decomposition products can include and are not limited to: Aldehydes, Alcohols, Organic acids, Hydrogen chloride. Decomposition products can include trace amounts of: Hydrocarbons

11. Toxicological Information

Acute toxicity:	The product is not expected to be acutely toxic. Quantitative data on the acute oral/inhalation/dermal toxicity of this product are not available.
Primary irritant effect On the skin: On the eyes:	No relevant information available.
Sensitization:	No relevant information available

Repeated Dose Toxicity:	Repeated inhalation exposure may cause respiratory irritation and lung effects/injury. Impaired lung function and abnormal chest x-rays have been observed in humans repeatedly exposed to high levels of talc dust.
CMR effects (Carcinogenic, Mutagenicity and Toxicity for Reproduction):	Rats exposed for their lifetimes to very fine talc particles showed lung inflammation and fibrosis (both sexes) and lung tumors (females only). These effects are believed to be due primarily to overloading the normal respiratory clearance mechanism. Rats may be particularly susceptible to particle clearance overload, resulting in lung injury and tumors. An increase in spontaneously occurring adrenal tumors observed in male rats is of questionable relevance. No increases in tumors were observed in male or female mice.
Mutagenicity:	No relevant information available.
Toxicity for Reproduction:	No relevant information available.

12. Ecological Information

Aquatic toxicity:	The product is not expected to be acutely toxic to aquatic organisms. Quantitative data on the acute fish/daphnia/bacteria toxicity of this product are not available.
Persistence and degradability:	This water-insoluble polymeric solid is expected to be inert in the environment. Surface photo-degradation is expected with exposure to sunlight. No appreciable biodegradation is expected.
Mobility in Soil:	Based on current information, there is no data known associated with this product.
Behaviour in environmental systems:	In the terrestrial environment, material is expected to remain in the soil where it may be subject to wind dispersion. In the aquatic environment, material will sink and remain in the sediment.
Bio accumulative potential:	No bio-concentration is expected because of the relatively high molecular weight (MW greater than 1000).
Ecotoxicological effects:	No relevant information available.

13. Disposal Considerations

General Information:	-
Disposal Methods:	Do not dump into any sewers, on the ground, or into any body of water. All disposal practices must be compliance with all federal, state and local laws and regulations. Regulations may vary in different locations. Waste characterizations and compliance with applicable laws are the responsibility solely of the waste generator. For unused & uncontaminated product, the preferred options include sending to a licensed, permitted recycler. Incinerator or other thermal destruction device. Landfill. If incineration is used, take precautions to guard against the formation of explosive dust air mixtures when handling combustible powders.
Disposal of Packaging:	-

14. Transport Information

Land transport (ADR/RID/GGVSE):	This product is not regulated as a hazardous material or dangerous goods for transportation.
Sea transport (IMDG-Code/GVSE):	This product is not regulated as a hazardous material or dangerous goods for transportation.
Air transport (ICAO-TI/IATA-DGR):	This product is not regulated as a hazardous material or dangerous goods for transportation.
UN Number:	-
Transport hazard class:	Not classified as hazardous for transport.
Packing group:	-
Environmental hazards:	-
Special precautions for user:	Store in dry and ventilated room by its Lot respectively. Not for outdoor storage. Keep away from sunlight and humidity during storage or transportation.

15. Regulatory Information

Labelling:	-
Hazard designation of product:	Not classified as hazardous for transport.
Transport hazard class:	-
Hazard components of labelling:	-
Risk phrases:	-
Safety phrases:	-
Special labelling:	-

16. Other Information

Issued by:	Health & Safety
Revision date:	06/12/2018

DISCLAIMER

This information is based on presently available data and knowledge. It describes the product related to the appropriate safety precautions.

The information contained in this SDS has been compiled from reliable sources and is believed to be correct as of the date issued. It is the responsibility of the user to determine the appropriateness and applicability to their situation. Eagle Protect disclaims any expressed or implied warranty as to the accuracy of the above information and shall not be held liable for any direct, incidental, or consequential damages from use or reliance on the above information.