

## MATERIAL SAFETY DATA SHEET

**1. PRODUCT:** Cast stretch film.

DATE: 12/20/2006

### 2. COMPOSITION / INFORMATION ON INGREDIENTS

Plastic stretch film manufactured from raw material of Co-Polymer of ethylene and octane/Hexene/Butene. Extruded under controlled processing conditions using Statistical Process Control.

### 3. HAZARDS IDENTIFICATION

#### EMERGENCY OVERVIEW

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\*Color: Clear appearance: Thin plastic film Odor: None Toxic fumes released in fire situation

#### POTENTIAL HEALTH EFFECTS

**EYE:** Plastic cast stretch film will not cause irritation to the eyes under normal use.

**SKIN:** Essentially non-irritating to the skin. A single prolonged exposure is not likely to result in the material being absorbed into the skin, nor cause any irritation to the skin

**INGESTION:** Small dose oral toxicity is believed to be very low. No hazards anticipated from ingestion incident to industrial exposure.

**SYSTEMIC: (OTHER TARGET ORGANS) EFFECTS:** No relevant information found.

**CHILD SAFETY:** Keep plastic film away from small children, infants and babies as it may cling to nose or mouth and prevent breathing.

### 4. FIRST AID

**Ingestion:** No adverse effects anticipated by this route of exposure incident to proper industrial handling

### 5. FIRE FIGHTING MEASURES

#### FLAMMABLE PROPERTIES

FLSH POINT : Not applicable

METHOD USED : Not applicable

#### FLAMMABLE LIMITS

LFL : Not applicable  
UFL : Not applicable

**HAZARDOUS COMBUSTION PRODUCTS:** Under fire condition, plastic films decompose. The smoke may contain polymer fragments of varying compositions in addition to unidentified toxic and / or irritating compounds. Hazardous combustion products may include and are not limited to carbon monoxide and carbon dioxide.

**OTHER FLAMMABLE INFORMATION:** Dense smoke is emitted when burned without sufficient oxygen.

**EXTINGUISHING MEDIA:** Water, carbon dioxide, and dry chemical.

**Fire fighting instructions:** Keep people away. Isolate fire area and unnecessary entry. Cool surroundings with water to localize fire zone. Hand held carbon dioxide or dry chemical extinguishers may be used for small fires. Soak thoroughly with water to prevent ignition.

**PROTECTIVE EQUIPMENT FOR FIREFIGHTERS:** Wear positive-pressure, self-contained breathing apparatus (SCBA) and protective fire fighting clothing (Includes fire fighting helmet, coat, pants, boots and gloves). If protective equipment is not available or not used, fight fire from a protected location or safe distance.

## 6. HANDLING AND STORAGE

**HANDLING:** Good housekeeping is necessary for safe handling of product. Electrically ground all machinery.

**STORAGE:** The plastic stretch film should be stored in a manner that it is not exposed to very long periods of ultra violet light.

## 7. PHYSICAL AND CHEMICAL PROPERTIES

**APPEARANCE / PHYSICAL STATE:** Clear, light, soft plastic sheet film

**ODOR:** No odor

**VAPOR PRESSURE:** Not applicable

**VAPOR DENSITY:** Not applicable

**BOILING POINT:** Not applicable

**SOLUBILITY IN WATER/MISCIBILITY:** Nil

**SPECIFIC GRAVITY:** 0.89 – 0.95 GR/CM<sup>3</sup>

## **8. STABILITY AND REACTIVITY**

CHEMICAL STABILITY: Stable

CONDITIONS TO AVOID: Product can decompose under elevated temperatures

INCOMPABILITY WITH OTHER MATERIALS: None known

## **9. ECOLOGICAL INFORMATION**

Because of the high molecular weight (MW>100), in the terrestrial environment, material is expected to remain in the soil. In the aquatic environment, the material is expected to float.

DEGRADATION AND PERSISTENCE: This water insoluble polymeric solid is expected to be inert in the environment. Surface photo degradation is expected with exposure to ultra violet rays. No appreciable biodegradation is expected.

ECOTOXICITY: Not expected to be acutely toxic.

## **10. DISPOSAL CONSIDERATIONS**

DO NOT DUMP INTO ANY SEWERS, ON THE GROUND OR INTO ANY BODY OF WATER. All disposal methods must be in compliance with state / Government regulations. Regulations may vary in each location and should be verified prior to disposal. Waster characterizations and compliance with applicable laws are the sole responsibility of the waster generator.

THE INFORMATION PRESENTED HERE PERTAINS ONLY TO THE PRODUCT AS SHIPPED IN ITS INTENDED CONDITION AS DESCRIBED. FOR UNUSED AND UNCONTAMINATED PRODUCT, the preferred option is to send it to a reputable company who can recycle the product.

## **11. TRANSPORT INFORMATION**

Keep dry during transportation. Protect plastic film from damage to avoid product failures at end user. Failure at that point could result in loads being unsafely contained.

## **REGULATORY INFORMATION**

NOTICE: The information here in is presented in good faith and believed to be accurate as of the effective date shown. However, no warranty, expressed or implied is given. Regulatory requirements are subject to change and may differ from one location to another. It is the buyers responsibility to ensure that it's activities comply with federal/state or provincial, and local laws. The following specific information is made for the purpose of complying with numerous federal / state or provincial and local laws and regulations.