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SDSCA / PRD / 0001

SECTION 1. IDENTIFICATION

Company Contact Information:

C.R. Laurence Co., Inc.
2503 E. Vernon Ave
Los Angeles, Ca 90058-1826
(323) 588-1281

CRL Catalog Numbers: P140HJ, P516HJ, P380HJ, P120HJ, P10MMHJ, P12LJ, P12LJT2

Emergency Telephone Number: Chemtrec: 1-800-424-9300 (24 hours)

Recommended use of the chemical and restrictions on use

Recommended use : Polymer

Restrictions on use : None known.

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification

Not a hazardous substance or mixture.

GHS label elements

Not a hazardous substance or mixture.

Other hazards

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Components

| Chemical name | CAS-No. | Concentration (% w/w) |
|----------------------------|----------------|-----------------------|
| non-hazardous component(s) | not applicable | 100 |
| | | |

SECTION 4. FIRST AID MEASURES

If inhaled : Move to fresh air.
 : Treat symptomatically.
 : If symptoms persist, call a physician.

In case of skin contact : Wash off with soap and water.
 : If symptoms persist, call a physician.
 : Cool skin rapidly with cold water after contact with molten

- material.
Do not peel solidified product off the skin.
Burns must be treated by a physician.
- In case of eye contact : In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- If swallowed : Seek medical advice.
- Most important symptoms and effects, both acute and delayed : The molten product can cause serious burns.
- Notes to physician : Treat symptomatically.

SECTION 5. FIREFIGHTING MEASURES

- Suitable extinguishing media : Water spray
Dry chemical
Carbon dioxide (CO₂)
- Unsuitable extinguishing media : Do not use a solid water stream as it may scatter and spread fire.
- Specific hazards during fire-fighting : Avoid generating dust; fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.
- Hazardous combustion products : No hazardous combustion products are known
- Further information : Minimize dust generation and accumulation.
- Special protective equipment for firefighters : Wear an approved positive pressure self-contained breathing apparatus in addition to standard fire fighting gear.

SECTION 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures : Wear appropriate personal protective equipment.
Local authorities should be advised if significant spillages cannot be contained.
- Environmental precautions : Avoid release to the environment.
- Methods and materials for containment and cleaning up : Sweep up and shovel into suitable containers for disposal.

SECTION 7. HANDLING AND STORAGE

- Advice on protection against : Minimize dust generation and accumulation.

fire and explosion

Advice on safe handling : Wash thoroughly after handling.
Use only in area provided with appropriate exhaust ventilation.
Minimize dust generation and accumulation.

Conditions for safe storage : Keep tightly closed.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

Contains no substances with occupational exposure limit values.

Engineering measures : Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

Personal protective equipment

Respiratory protection : Use respiratory protection unless adequate local exhaust ventilation is provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines. Wear respiratory protection when its use is identified for certain contributing scenario.

Hand protection

Remarks : Wear suitable gloves. When handling hot material, use heat resistant gloves.

Eye protection : Safety glasses
Wear a face shield when working with molten material.

Skin and body protection : Wear suitable protective clothing.

Protective measures : Ensure that eye flushing systems and safety showers are located close to the working place.

Hygiene measures : Handle in accordance with good industrial hygiene and safety practice.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : pellets

Colour : various

| | |
|-------------------------------------|---|
| Odour | : slight |
| Odour Threshold | : not determined |
| pH | : Not applicable |
| Softening point | : |
| Flash point | : not applicable, combustible solid |
| Evaporation rate | : not determined |
| Vapour pressure | : not determined |
| Relative density | : > 1 (estimated) |
| Solubility(ies) Water solubility | : negligible |
| Decomposition temperature | : Thermal stability not tested. Low stability hazard expected at normal operating temperatures. |
| Viscosity Viscosity, kinematic | : not determined |

SECTION 10. STABILITY AND REACTIVITY

| | |
|------------------------------------|--|
| Reactivity | : None reasonably foreseeable. |
| Chemical stability | : Stable under normal conditions. |
| Possibility of hazardous reactions | : Stable |
| Conditions to avoid | : Minimize dust generation and accumulation. |
| Incompatible materials | : Strong oxidizing agents |
| Hazardous decomposition products | : Carbon monoxide Carbon dioxide (CO ₂) |

SECTION 11. TOXICOLOGICAL INFORMATION

Acute toxicity

Components:

copolyester:

| | |
|---------------------|---|
| Acute oral toxicity | : LD50 Oral (Rat): > 3,200 mg/kg Assessment: The substance or mixture has no acute oral toxicity |
|---------------------|---|

Acute dermal toxicity : LD50 Dermal (Guinea pig): > 1,000 mg/kg
 Assessment: The substance or mixture has no acute dermal toxicity

Skin corrosion/irritation

Components:

copolyester:

Species: Guinea pig
 Exposure time: 24 h
 Result: slight

Serious eye damage/eye irritation

Components:

copolyester:

Species: Rabbit
 Result: slight
 Method: unwashed eyes

Species: Rabbit
 Result: slight
 Method: washed eyes

Respiratory or skin sensitisation

Components:

copolyester:

Test Type: Skin Sensitization
 Species: Guinea pig
 Result: non-sensitizing

Information on likely routes of exposure

Product:

Inhalation : Remarks: None known.
 Skin contact : Remarks: The molten product can cause serious burns.
 Eye contact : Remarks: The molten product can cause serious burns.
 Ingestion : Remarks: None known.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Components:

copolyester:

Toxicity to fish : LC50 (Pimephales promelas (fathead minnow)): > 100 mg/l
 Exposure time: 96 h
 Remarks: (highest concentration tested)

Toxicity to daphnia and other aquatic invertebrates : LC50 (daphnid): > 100 mg/l
 Exposure time: 96 h
 Remarks: (highest concentration tested)

LC50 (snail): > 100 mg/l
 Exposure time: 96 h
 Remarks: (highest concentration tested)

LC50 (flatworm): > 100 mg/l
 Exposure time: 96 h
 Remarks: (highest concentration tested)

Persistence and degradability

No data available

Bioaccumulative potential

No data available

Mobility in soil

No data available

Other adverse effects

No data available

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods

Waste from residues : Dispose of in accordance with local regulations.

SECTION 14. TRANSPORT INFORMATION

International Regulations

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

National Regulations

SECTION 15. REGULATORY INFORMATION

The components of this product are reported in the following inventories:

CH INV : Not listed

DSL : On the inventory, or in compliance with the inventory

AICS : On the inventory, or in compliance with the inventory

| | |
|-------|---|
| NZIoC | : Not in compliance with the inventory |
| ENCS | : On the inventory, or in compliance with the inventory |
| ISHL | : Not listed |
| KECI | : On the inventory, or in compliance with the inventory |
| PICCS | : On the inventory, or in compliance with the inventory |
| IECSC | : On the inventory, or in compliance with the inventory |
| TCSI | : On the inventory, or in compliance with the inventory |
| TSCA | : On the inventory, or in compliance with the inventory |

Canadian lists

No substances are subject to a Significant New Activity Notification.

SECTION 16. OTHER INFORMATION

Full text of other abbreviations

AICS - Australian Inventory of Chemical Substances; ANTT - National Agency for Transport by Land of Brazil; ASTM - American Society for the Testing of Materials; bw - Body weight; CMR - Carcinogen, Mutagen or Reproductive Toxicant; CPR - Controlled Products Regulations; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; Nch - Chilean Norm; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NOM - Official Mexican Norm; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TDG - Transportation of Dangerous Goods; TSCA - Toxic Substances Con-

trol Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative; WHMIS Workplace Hazardous Materials Information System

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The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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