

Issue Date: 29/09/2011

Revision Date: 13/09/2018

Supersedes Date: 05/06/2015

Version Number: 02

SAFETY DATA SHEET

Product Code: LIVCTN500

PAGE 1 OF 6

SECTION 1

PRODUCT IDENTIFICATION

Product Name: Food Container Base

SECTION 2

HAZARD IDENTIFICATION

This material is not classified as hazardous material according to UN GHS criteria.

GHS classification

Physical : No classification

H312 : Harmful if in contact with skin (molten plastic)

Health : H335 : May cause respiratory irritation (fume)

Environmental : No classification

GHS label elements

Pictograms :



Exclamation Mark

Signal word : Warning

Hazard statement:

- Molten plastic can cause severe thermal burn if contacted with skin
- Fume released during high temperature processing may cause respiratory irritation
- Dust from the product may form combustible dust concentrations in air during processing or handling

Precautionary statement:

- Wear suitable and proper personal protective equipment (PPE) when necessary
- In case of inhalation of fumes, quickly move to open area with fresh air available

SECTION 3

COMPOSITION/INFORMATION ON INGREDIENTS

Not a hazardous substance according to EC directives 1272/2008/EC and Globally Harmonized System of Classification and Labeling of Chemicals (GHS) unless indicated.

Chemical Name	CAS #
Propylene homopolymer	9003 - 07 - 0
Additives	-

NOTE: The product may contain varying levels of additives such as antioxidants and stabilizers.

SECTION 4

FIRST AID MEASURES

Description of first aid measures

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Product Code: LIVCTN500

PAGE 2 OF 6

Eye contact	If this product comes in contact with eyes; • Wash out immediately with water • If irritation persist, seek medical attention
Skin contact	In case of contact with molten resin: • Immediately apply cold water until cooled. • DO NOT attempt to remove the molten resin from the skin. • DO NOT pull away clothing which has adhered to the skin as this can cause further injury. • Get immediate medical attention.
Inhalation	• In case of accidental inhalation of fumes from overheating or combustion quickly move to open area with fresh air available. • If symptoms persist, please call doctor.
Ingestion	• First aid is not generally required. If in doubt, seek the advice from medical personnel.

SECTION 5 FIRE FIGHTING MEASURES

Flash point	Estimated > 329 °C (624.2 °F) 5.2
Extinguishing media	Appropriate extinguishing media such as foam, dry chemical powder and carbon dioxide (CO ₂) or water spray to extinguish flames.
Inappropriate extinguishing media	Do not use solid water stream as it may scatter and spread fire.
Special hazards arising from the chemical fire hazard	- May be combustible at high temperature. - May form combustible dust concentrations in air. - Vapors generated from overheating/melting/decomposition may be flammable and may cause fire/explosion if source of ignition is present.
Advice for firefighters	
Protective equipment	Wear self-contained breathing apparatus, protective fire fighting clothes and protective gloves.
Special firefighting procedures	Standard procedures for class A fires
Unusual fire / explosion hazard	None
Stability consideration	Stable
Hazardous decomposition products in case of fire	• Carbon oxides (CO, CO₂) • Aldehydes • Ketones • Hydrocarbons • Dense black smoke and soot

SECTION 6 ACCIDENTAL RELEASE MEASURES

Spill and leak	• Sweep up spilled material for use or disposal. • Good housekeeping must be maintained to avoid potential slippery hazard
Environmental precautions	Prevent from entering drains or sewers

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SAFETY DATA SHEET

Product Code: LIVCTN500

PAGE 3 OF 6

SECTION 7 HANDLING AND STORAGE

Handling

- Handle in accordance with proper safety practices.
- Ensure good ventilation / exhaust at the workplace
- Any unavoidable deposit of dust must be regularly removed.
- Keep away from sparks and open fire.
- Electrostatic charge may build up during handling hence the equipment should be grounded and bonded.

Storage

Keep in dry conditions at temperatures below 60 °C (140 °F) and protected from UV light.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure limits

None establish.

Engineering controls

- Provide adequate ventilation
- Extruder should be properly vented

Exposure controls

Personal protective equipment



Eye / face protection

Use safety glasses / goggles

Skin and body protection

Wear suitable protecting clothes with long sleeved is recommended

Hand protection

Wear heat resistance protective gloves when necessary.

Respiratory protection

Normally no respiratory protection is required. In case of insufficient ventilation wear suitable respiratory equipment.

Hygiene measures

Always maintain good personal hygiene practice such as wash hand after handling the material and before eating, drinking or smoking

SECTION 9 PHYSICAL/CHEMICAL PROPERTIES

Appearance

Form

Pellets

Physical state

Solid

Color

Translucent to white

Odor

Mild to no odor

Safety data

Flash point

> 329 °C (624.2 °F) estimated

Lower explosion limit

Not applicable

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SAFETY DATA SHEET

Product Code: LIVCTN500**PAGE 4 OF 6**

Upper explosion limit	Not applicable
Auto-ignition temperature	> 357 °C (674.6 °F) estimated
Boiling point	Not applicable
Freezing point	Not applicable
Vapor pressure @ 20 °C (68 °F)	Not applicable
Vapor density	Not applicable
% volatile (vol.)	< 0.4
Melting point	> 160 °C (320 °F)
Solubility in water	Negligible
Specific gravity	0.88 to 0.92
pH	Not applicable
Evaporation rate	Not applicable
Kinematic viscosity	Not applicable
Explosive properties	Not applicable
Oxidizing properties	Not applicable

SECTION 10 STABILITY AND REACTIVITY

Reactivity	No dangerous reaction under normal condition
Stability	Stable
Conditions to avoid	Temperatures above 357 °C (674.6 °F) Open flame
Materials to avoid	Strong oxidizing agents
Decomposition products	Carbon dioxide, carbon monoxide and organic vapors
Hazardous polymerization	Will not occur

SECTION 11 TOXICOLOGICAL INFORMATION

Toxicity to animal (Rat), LD50	Not applicable
Toxicity to animal (Rat), LC50	Not applicable
Skin irritation	No skin irritation
Eye irritation	No eye irritation
Inhalation	Presumed not toxicity
Ingestion	Presumed not toxicity
Sensitization	Not expected to be a sensitizer
Carcinogenicity	Classified NONE by NTP and OSHA Group 3 (not classifiable for human) by IARC

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Product Code: LIVCTN500**PAGE 5 OF 6**

SECTION 12 ECOLOGICAL INFORMATION

Eco-toxicity	Not available
BOD5 and COD	Not available
Biodegradable / OECD	Not available
Mobility	Not available
Toxicity of the products of bio-degradation	Not available

SECTION 13 DISPOSAL CONSIDERATIONS

Waste disposal method

Incineration of waste material in a permitted facility in accordance to local, state, and federal regulation is the recommended disposal method. Landfilling in a licensed facility in accordance to local, state and federal regulation is a suitable alternative.

This product is not listed in federal hazardous waste regulation 40CFR 261.33 paragraphs (a) or (f), i.e. chemical products that are considered hazardous if they become wastes. It does not exhibit any of the hazardous characteristics listed in 40 CFR 261 subpart C. State or local hazardous waste regulation may apply if different from the federal.

SECTION 14 TRANSPORT INFORMATION

DOT classification for bulk shipments (non- bulk shipments may differ)	Not a DOT controlled material (United States)
DOT proper shipping name	Not applicable
UN number	Not applicable
Packing group	Not applicable
USCG proper shipping name	Polypropylene
Marine pollutant	Not available
Hazardous substances reportable quantity	Not available
Special provisions for transport	Not applicable
TDG classification	Not controlled under TDS (Canada)
ADR/RID classification	Not controlled under ADR (Europe)
IMO/IMDG classification	Not controlled under IMDG
ICAO/IATA classification	Not regulated for air transport

SECTION 15 REGULATORY INFORMATION

Global chemical inventory

United States (TSCA)	Listed
Europe (EINECS)	Listed

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PAGE 6 OF 6

Canada (DSL)	Listed
Australia (AICS)	Listed
China (IECSC)	Listed
Japan (ENCS)	Listed
Korea (KECI)	Listed
New Zealand (NZIoC)	Listed
Philippines (PICCS)	Listed
Taiwan (ECS)	Listed

SECTION 16 OTHER INFORMATION

Reason For Revision:

- To bring to date
- To comply with GHS regulation.

END OF SDS