

Material Safety Data Sheet

May be used to comply with OSHA's
Hazard Communication Standard
29 CFR 1910.1200.

U.S. Department of Labor
Occupational Safety and Health Administration
Form approved OMB No. 1218-0072
OSHA 174, September 1985

IDENTITY (as used on product label): **CCL/CLF/CCL-AF**

Date prepared: September 4, 2011

SECTION I: Manufacturer's information

Name: Vanguard Shrink Films, Inc.
9970 Lakeview Avenue
Lenexa, Kansas 66219

Telephone no. (800) 772-1187

SECTION II: Hazardous Ingredients/Identity information

(specific chemical identity/common name/OSHA PEL/ACGIH TLV/other limits/%):

CCL, CLF and CCL-AF are polyolefin shrink films and contain no hazardous ingredients.

SECTION III: Physical/Chemical Characteristics

Boiling point:	n/a	Specific gravity:	approx 0.92 (water = 1)
Vapor pressure:	n/a	Melting point:	approx 240° - 260° F
Vapor density:	n/a	Evaporation rate:	n/a
Solubility in water:	insoluble	Appearance and odor:	transparent film with no odor

SECTION IV: Fire and Explosion Hazard Data

Flash point (method used): n/a Flammability limits: n/a LEL: n/a UEL: n/a
Extinguishing media: water, fog, CO2, dry chemical, foam or other standard fire fighting agents
Special fire fighting procedures: use self-contained breathing apparatus in closed space
Unusual fire and explosion hazards: no unusual hazards

SECTION V: Reactivity Data

Stability: stable
Incompatibility (materials to avoid): none
Hazardous decomposition products: incomplete combustion produces carbon monoxide
Hazardous polymerization: will not occur

SECTION VI: Health Hazard Data

Route(s) of entry: Non hazardous material
Carcinogenicity: Not listed
Health hazards: Acute – none Chronic – none
Signs and symptoms of exposure: n/a
Medical conditions generally aggravated by exposure: none known
Emergency and first aid procedures: n/a

SECTION VII: Precautions for Safe Handling and Use

Steps to be taken in case material is released or spilled: n/a
Waste disposal method: Incinerate or landfill in accordance with applicable federal, state and local regulations
Precautions to be taken in handling and storage: none
Other precautions: none

SECTION VIII: Control Measures

Respiratory protection (specify type): not required
Ventilation: as with any plastic film, adequate local ventilation is recommended during heat sealing and cutting. The hot wire/knife should be kept clean and adjusted permitting the minimum temperature necessary to effectively seal and cutoff the film.
Protective gloves: none required
Eye protection: standard safety glasses may be used for routine good safety practice
Other protective clothing or equipment: none required
Work/Hygenic practices: no special requirements