Section 1: PRODUCT AND COMPANY INFORMATION
LTL Color Compounders
20 Progress Drive
Morrisville, PA 19067

General Info. Phone: (800) 863-4260
(Hours of Operations 8:30AM – 5:00PM Eastern)

Product Code: ACR100IM – ALL COLORS
Product Description: Compound: thermoplastic resin(s) + other ingredient(s); colorants/additives
Material Name: Acrylic copolymer
Synonym(s): PMMA

Issue Date: 08/03/10

Section 2: HAZARDS IDENTIFICATION

Potential Health Effects:
Route(s) of Exposure: Eye contact, skin contact, inhalation. Ingestion: not a probable route of exposure.

Caution! Mechanical irritation to the eyes may occur due to exposure to dusts. Eyes may become red and scratchy and may tear. Gases and fumes evolved from this material may irritate the eyes, skin or respiratory tract. At decomposition temperatures acrylic monomers may be emitted.

The following are potentially hazardous ingredient(s) employed in the polymer used in the formulation of the product. Follow good manufacturing and industrial hygiene practices and the guidelines provided in this MSDS. See Section 11 for more information.

Ethyl acrylate 140-88-5
Methyl methacrylate 80-62-6

In the product supply form (solid pellets), the form of the other ingredient(s) (i.e. colorants/additives) provided is encapsulated in plastic. The likelihood of exposure under recommended processing conditions is minimal, to the point of negligible and therefore the level of the hazard is considered negligible. See Section 8 for recommendations on exposure control and personal protective equipment.

Carcinogenicity: Methyl methacrylate
IARC......................... Methyl methacrylate 80-62-6; Group 2B

Medical Conditions Aggravated by Exposure:
Preexisting eye, skin or respiratory tract sensitivities.

Potential Environmental Effects: No ecological information available. See Section 12.
Section 3: COMPOSITION/ INFORMATION ON INGREDIENTS

Composition: Acrylic copolymer
Other ingredients (i.e. colorants / additives)

Hazardous Ingredients:
- Ethyl acrylate CAS# 140-88-5
- Methyl methacrylate CAS# 80-62-6

Section 4: FIRST AID MEASURES

Eyes: Flush with plenty of lukewarm water. See physician if irritation persists.
Skin: Wash affected areas with soap and water. See physician if redness, itching or burning sensation develops. Get medical attention if thermal burn occurs; do not peel off solidified material from skin.
Inhalation: Remove to fresh air. If breathing is difficult, get medical attention.
Ingestion: Not a probable route of exposure. Contact a physician if ingested.

Section 5: FIRE FIGHTING MEASURES

Suitable Extinguishing Media: Water; Dry Chemical; Carbon Dioxide; Foam
Products of Combustion: Dust from secondary operations (regrinding, etc.) may form explosive mixtures in air. Vent storage bins, conveyors, dust collectors, etc. See Section 7.
Special Fire Fighting Procedures: Full emergency equipment with self-contained breathing apparatus should be worn by firefighters. During a fire irritating and toxic gases and vapors may be generated by thermal decomposition and combustion. See Section 10.

Section 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions: Use personal protection recommended in Section 8.
Environmental Precautions: Avoid spilled or leaking material in supplied form to enter waterways.
Spill or Leak Procedures: Remove by method that minimizes generation of dust.

Section 7: HANDLING AND STORAGE

Storage: Store in a cool, clean, dry environment. Avoid excessive heat and ignition sources. Keep container sealed/ closed when not in use. Shelf life is not established.
Handling: Handle in accordance with good industrial hygiene and safety practices. Wash thoroughly after handling. During secondary operations, vent storage bins, conveyors, dust collectors, etc. Ground handling equipment. Keep open flames, sparks and heat away from dusty areas. Maintain highest standards of housekeeping to prevent dust accumulation.

Section 8: EXPOSURE CONTROL/ PERSONAL PROTECTION

Engineering Controls: Local mechanical exhaust ventilation should be used at sources of air contamination, such as open process equipment, or during purging operations, to capture gases and fumes that may be emitted. Standard reference sources regarding industrial ventilation (i.e. ACGIH Industrial Ventilation) should be consulted for guidance about adequate ventilation.
Eye Protection: Safety glasses recommended.
Skin Protection: Appropriate hand protection (i.e. sleeves, heat resistant gloves) is recommended when handling molten material.
Section 8: EXPOSURE CONTROL/ PERSONAL PROTECTION, Cont’d
Respiratory Protection:.............NIOSH/ MSHA approved dust respirator recommended if airborne dust concentration is near or exceeds the nuisance dust exposure limits. If ventilation is not sufficient to control processing gases and fumes, a NIOSH approved respirator should be selected and worn based on contamination levels found in the workplace.
Additional Protection:.............The greatest potential for injury occurs when working with hot molten polymeric resins such as purge of a molding machine, extruder, and the like. During these types of operation, it is essential that all workers in the immediate area wear eye and skin protection as protection from thermal burns. Purge material should be collected as small flat thin shapes or thin strands to allow for rapid cooling. Precautions should be taken against auto-ignition of hot, thick masses of molten plastic. Quench immediately with water. Grinder dust is an exposure hazard. Captured fumes and residues may be flammable and/ or combustible, and ventilation systems must be designed, constructed, operated and maintained to prevent fires and explosions. Wear protective clothing, including rubber gloves, to prevent skin contact during cleaning of ventilation systems.
General Hygiene Considerations: Wash thoroughly after handling. Have eyewash stations immediately available.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES
*Appearance: Colored
*Odor: Slight
*Odor Threshold: Not determined for this composite
*Physical Form: Solid; pellets
*pH: Not applicable
*Melting/Freezing Point: Not determined for this composite
*Boiling Point: Not applicable
*Flash Point: Not available
*Evaporation Rate: Negligible
*Flammability: Not available
*Upper/ Lower Flammability or Explosive Limits: Not applicable
*Vapor Pressure: Negligible
*Vapor Density: Negligible
*Specific Gravity: Not determined for this composite
*Solubility (water): Insoluble
*Solubility (non aqueous): Not available
*Partition Coefficient: Not available
*Auto-Ignition Temperature: Not determined for this composite
*Decomposition Temperature: Not determined for this composite

Section 10: STABILITY AND REACTIVITY
Stability: Stable
Hazardous Decomposition Products: By fire or thermal degradation, including but not limited to; carbon monoxide, carbon dioxide, acrylic monomers
Incompatibilities: Acids, alkalies, strong oxidizing agents
Conditions to Avoid: Thermal decomposition
Possibility of Hazardous Reactions: Not determined for this composite

Section 11: TOXICOLOGY INFORMATION
Toxicity Data For Composite: Toxicity information is not available for this composite.

Section 12: ECOLOGICAL INFORMATION
No ecological information available.
Section 13: DISPOSAL CONSIDERATIONS
Dispose of in accordance with federal, state and local regulations.

Section 14: TRANSPORTATION INFORMATION
Technical Name: Acrylic copolymer
Class: Plastic Materials
Product Identification: ACR100IM – All Colors

Section 15: REGULATORY INFORMATION
United States TSCA Status: Not available*
CERCLA Reportable Quantity: Not available*
SARA Title III: Not available*
State Right to Know: Not available*

Note: *Information provided upon request, which will be based on the review of the listings for the individual components in this composite.

Section 16: OTHER INFORMATION
The information contained in this MSDS applies to the specific product supplied. It may not be valid for this product if it is used in combination with any other materials. The information herein is given in good faith but no warranty, expressed or implied, is made. LTL Color Compounders, Inc. assumes no legal responsibility for use or reliance upon these data.

Prepared by: LTL Color Compounders, Inc.
Issue Date: 08/03/10