1 Identification

- Product identifier
  - Color Name: UCClean™ HD-E-G
  - Color number: UCClean™ HD-E-G

- Details of the supplier of the safety data sheet
  - Manufacturer/Supplier:
    Uniform Color Company
    942 Brooks Ave
    Holland MI USA 49424
    001 616-394-3800
    www.uniformcolor.com

- Emergency telephone number:
  Scott C Ward
  Director of Health, Safety & Environment
  Audia Plastics
  001-724-350-0655
  ScottC.Ward@Audiagroup.com

2 Hazard(s) identification

- Classification of the substance or mixture
  The product is not classified according to the Globally Harmonized System (GHS).

- Prevention:
  Do not eat, drink or smoke when using this product.
  Avoid release to the environment.
  Avoid breathing dust/fume/gas/mist/vapors/spray
  Do not get in eyes, on skin, or on clothing.

- Response:
  IF SWALLOWED: Call a doctor if you feel unwell.
  IF on skin: Immerse in cool water/wrap in wet bandages.

- Storage:
  Store in a dry place. Store in a closed container.
  Store in a well-ventilated place. Keep container tightly closed.
  Shelf Life: Up to 5 years if kept in closed containers and in cool/dry conditions.
  Refer to technical data sheet for shelf life information.

- Disposal: Dispose of in accordance with Federal, State and Local regulations.

- Label elements
  - GHS label elements The product is classified and labeled according to the Globally Harmonized System (GHS).
  - Hazard pictograms Void
  - Signal word Void
  - Hazard statements Void
  - Classification system:
    - NFPA ratings (scale 0 - 4)
      Health = 0
      Fire = 1
      Reactivity = 0
    - HMIS-ratings (scale 0 - 4)
      Health = 0
      Fire = 1
      Reactivity = 0

(Contd. on page 2)
3 Composition/information on ingredients

- Chemical characterization: Mixtures
- Description:
  Polymer mixture with coloring agents and non hazardous components.
  Binding agent with coloring agents
- Reportable components: None specified.

4 First-aid measures

- Description of first aid measures
- General information: Proper personal protection required.
- After inhalation:
  Supply fresh air or oxygen; call for doctor.
  In case of unconsciousness place patient stably in side position for transportation.
  Supply fresh air and to be sure call for a doctor.
- After skin contact:
  Immediately wash with water and soap and rinse thoroughly.
  After contact with the molten product, cool rapidly with cold water. Do not remove solidified material from skin.
  If skin irritation continues, consult a doctor.
- After eye contact: Protect unharmed eye.
- After swallowing: If symptoms persist consult doctor.
- Information for doctor:
  This product is a blend of coloring agents and polymer and is of low toxicity. BURNS SHOULD BE TREATED AS THERMAL BURNS. PRODUCT IS A POLYMER OF LOW TOXICITY; THEREFORE, THERE IS NO NEED TO REMOVE IT FROM THE SKIN BECAUSE OF CONCERN ABOUT TOXICITY. THE POLYMER WILL COME OFF AS HEALING OCCURS.
- Most important symptoms and effects, both acute and delayed No further relevant information available.
- Indication of any immediate medical attention and special treatment needed No further relevant information available.

5 Fire-fighting measures

- Extinguishing media
- Suitable extinguishing agents:
  CO2, extinguishing powder or water spray. Fight larger fires with water spray.
  Use fire fighting measures that suit the environment.
- Special hazards arising from the substance or mixture
  Thermal breakdown of this product during fire or very high heat conditions may evolve the following hazardous decomposition products:
- Advice for firefighters
- Protective equipment:
  Wear NIOSH approved respiratory protective device and protective clothing to prevent contact with skin and eyes. Keep unprotected persons away.
  Do not inhale explosion gases or combustion gases.
  NIOSH approved respiratory protection is required when safe processing temperatures are exceeded.
6 Accidental release measures

· Personal precautions, protective equipment and emergency procedures
  Ensure adequate ventilation
  Spilled or leaked material is a slip hazard.

  ! Keep away from ignition sources

  Use respiratory protective device against the effects of fumes/dust/aerosol.

  Wear protective clothing.
  Safety glasses/goggles with side shields.
  If in contact with molten material, thermal resistant gloves.

· Environmental precautions:
  Do not allow product to reach sewage system or any water course.
  Do not allow to enter sewers/surface or ground water.

· Methods and material for containment and cleaning up:
  Allow molten material to cool thoroughly, pick up mechanically.

· Reference to other sections
  See Section 7 for information on safe handling.
  See Section 8 for information on personal protection equipment.
  See Section 13 for disposal information.

7 Handling and storage

· Handling:

· Precautions for safe handling
  No special measures required.
  Store in a dry place in tightly closed receptacles to prevent contamination.
  Ensure good ventilation/exhaustion at the workplace.

· Information about protection against explosions and fires: Keep ignition sources away - Do not smoke.

· Conditions for safe storage, including any incompatibilities

· Storage:
  · Requirements to be met by storerooms and receptacles:
    Store in tightly sealed receptacles to prevent contamination. Store in a dry location. Keep away from heat and flame.
  · Information about storage in one common storage facility: Store away from oxidizing agents.
  · Further information about storage conditions: None.

· Specific end use(s) Coloring and / or additive agent for appropriate polymeric materials.
8 Exposure controls/personal protection

- Additional information about design of technical systems: No further data; see item 7.
- Control parameters
- Components with limit values that require monitoring at the workplace:
  The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- Additional information: The lists that were valid during the creation were used as basis.
- Exposure controls
- Personal protective equipment:
- General protective and hygienic measures:
  Good industrial hygiene practices should be followed which include minimizing skin contact, and avoid contact with eyes. Wash hands and face before eating, drinking, smoking or breaks and at the end of work.
  Do not inhale dust / smoke / mist.
  Avoid skin contact with molten material.
- Breathing equipment: Not required.
- Protection of hands:
  The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
- Material of gloves
  The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material cannot be calculated in advance and has therefore to be checked prior to the application.
- Penetration time of glove material
  The exact breakthrough time has to be found out by the manufacturer of the protective gloves and has to be observed.
- Eye protection: Safety glasses or goggles with side shields.
- Body protection: Protective work clothing

9 Physical and chemical properties

- Information on basic physical and chemical properties
- General Information
- Appearance:
  Form: Pellets
  Color: According to product specification
- Odor: Characteristic
- Odor threshold: Not determined.
- pH-value: Not applicable.
- Change in condition
  Melting point/Melting range: Undetermined.
  Boiling point/Boiling range: Undetermined.
- Flash point: 330 °C (626 °F)
- Flammability (solid, gaseous): Not determined.
- Ignition temperature:
  Decomposition temperature: Not determined.
- Auto igniting: Product is not selfigniting.
10 Stability and reactivity

- Reactivity: No further relevant information available.
- Chemical stability
- Thermal decomposition / conditions to be avoided:
  No decomposition if used and stored according to specifications.
  To avoid thermal decomposition do not overheat.
- Possibility of hazardous reactions
  As the product is supplied it is not capable of dust explosion; however enrichment with fine dust causes risk of dust explosion.
- Conditions to avoid: No further relevant information available.
- Incompatible materials: Polyvinyl Chloride, Strong acids, oxidizing agents.
- Hazardous decomposition products: Carbon monoxide

11 Toxicological information

- Information on toxicological effects
- Acute toxicity:
- Primary irritant effect:
  - on the skin: No irritant effect.
  - on the eye: No irritating effect.
- Additional toxicological information:
  The product is not subject to classification according to internally approved calculation methods for preparations:
44. Carcinogenic categories

- IARC (International Agency for Research on Cancer)
  9002-88-4 Homopolymer Polyethylene 3

- NTP (National Toxicology Program)
  None of the Ingredients are listed.

- OSHA-Ca (Occupational Safety & Health Administration)
  None of the Ingredients are listed.

12 Ecological information

- Toxicity
  - Aquatic toxicity: No further relevant information available.
  - Persistence and degradability: No further relevant information available.

- Behavior in environmental systems:
  - Bioaccumulative potential: No further relevant information available.
  - Mobility in soil: No further relevant information available.

- Additional ecological information:
  - General notes:
    Water hazard class 1 (Self-assessment): slightly hazardous for water
    Do not allow product to reach ground water, water course or sewage system.
    Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

- Results of PBT and vPvB assessment
  - PBT: Not applicable.
  - vPvB: Not applicable.

- Other adverse effects: No further relevant information available.

13 Disposal considerations

- Waste treatment methods
  - Recommendation:
    Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

- Uncleaned packagings:
  - Recommendation:
    Disposal must be made according to Local, State and Federal regulations.
    Non contaminated packagings can be reused.

14 Transport information

- DOT, ADR, IMDG, IATA
  Not classified as dangerous goods.

- UN proper shipping name
  DOT, ADR, IMDG, IATA
  Not classified as dangerous goods.

- Transport hazard class(es)
  DOT, ADR, IMDG, IATA
  Not classified as dangerous goods.
## 15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Sara**
  - Section 355 (extremely hazardous substances):
    - None of the Ingredients are listed.
  - Section 313 (Specific toxic chemical listings):
    - None of the ingredients are listed.
  - TSCA (Toxic Substances Control Act):
    - All ingredients are listed.
- **Proposition 65**
  - Chemicals known to cause cancer:
    - None of the ingredients is listed.
  - Chemicals known to cause reproductive toxicity for females:
    - None of the Ingredients are listed.
  - Chemicals known to cause reproductive toxicity for males:
    - None of the Ingredients are listed.
  - Chemicals known to cause developmental toxicity:
    - None of the Ingredients are listed.
- **Carcinogenic categories**
  - EPA (Environmental Protection Agency)
    - None of the Ingredients are listed.
  - TLV (Threshold Limit Value established by ACGIH)
    - None of the Ingredients are listed.
  - NIOSH-Ca (National Institute for Occupational Safety and Health)
    - None of the Ingredients are listed.
  - European Directive 2002/95/EC RoHS (RoHS 1) and 2011/65/EU (RoHS 2); Regulation of Hazardous Substances
    - None of the ingredients are listed.
    - None of the Ingredients are listed.
  - Massachusetts, New Jersey, Pennsylvania Right to Know List.
    - Minnesota, Rhode Island Hazardous Substance List
    - None of the Ingredients are listed.

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Color Name: UCClean™ HD-E-G

(Contd. of page 7)

- **CONEG - Coalition of Northeastern Governors**
  
  None of the Ingredients are listed.

- **GHS label elements** Void
- **Hazard pictograms** Void
- **Signal word** Void
- **Hazard statements** Void

- **National regulations:**
  
  - **Substances of very high concern (SVHC) according to REACH, Article 57**
    
    None of the Ingredients are listed.
  
  - **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

**16 Other information**

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Department issuing SDS:** Safety Department
- **Date of preparation / last revision** 11/22/2017 / -
- **Abbreviations and acronyms:**
  
  ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
  IMDG: International Maritime Code for Dangerous Goods
  DOT: US Department of Transportation
  IATA: International Air Transport Association
  ACGIH: American Conference of Governmental Industrial Hygienists
  EINECS: European Inventory of Existing Commercial Chemical Substances
  ELINCS: European List of Notified Chemical Substances
  CAS: Chemical Abstracts Service (division of the American Chemical Society)
  HMIS: Hazardous Materials Identification System (USA)
  PBT: Persistent, Bioaccumulative and Toxic
  SVHC: Substances of Very High Concern
  vPvB: very Persistent and very Bioaccumulative
  NIOSH: National Institute for Occupational Safety
  OSHA: Occupational Safety & Health
  TLV: Threshold Limit Value
  PEL: Permissible Exposure Limit
  REL: Recommended Exposure Limit
- * Data compared to the previous version altered.*