1 Identification

- Product identifier
- Trade name: Top Cast® Gray 100 VOC
- Article number: 145524
- Application of the substance / the mixture

Details of the supplier of the safety data sheet
- Manufacturer/Supplier:
  Dayton® Superior
  4226 Kansas Avenue
  Kansas City, KS 66106
  Tel.: (866) 329-8724

Emergency Telephone Number: Use only in the event of an emergency involving a spill, leak, fire, exposure, or accident involving chemicals. Within the U.S., Canada, or the U.S. Virgin Islands, call ChemTrec at (800) 424-9300, 24 hours a day. Or, outside these areas, call international number, +1 703 741-5970. Collect calls are accepted.

- Information department: Environmental, Health, and Safety department.

2 Hazard(s) identification

- Classification of the substance or mixture
  Skin Sens. 1 H317 May cause an allergic skin reaction.

- Label elements
  - GHS label elements The product is classified and labeled according to the Globally Harmonized System (GHS).
  - Hazard pictograms

  GHS07

- Signal word Warning

- Hazard-determining components of labeling:
  5-chloro-2-methyl-2H-isothiazol-3-one

- Hazard statements
  May cause an allergic skin reaction.

- Precautionary statements
  Avoid breathing dust/fume/gas/mist/vapors/spray
  Wear protective gloves.
  If skin irritation or rash occurs: Get medical advice/attention.
  Specific treatment (see on this label).
  Wash contaminated clothing before reuse.
  Dispose of contents/container in accordance with local/regional/national/international regulations.

- Classification system:
  - NFPA ratings (scale 0 - 4)

  Health = 0
  Fire = 1
  Reactivity = 0

- HMIS-ratings (scale 0 - 4)

  HEALTH 0
  HEALTH = 0

  FIRE 1
  FIRE = 1

  PHYSICAL HAZARD 0
  Reactivity = 0

(Contd. on page 2)
Trade name: Top Cast® Gray 100 VOC

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

3 Composition/information on ingredients

- Chemical characterization: Mixtures
- Description: Mixture of the substances listed below with nonhazardous additions.

- Dangerous components:
  - 77-92-9 citric acid ≥ 0.1-≤ 8%
  - 56-81-5 glycerol ≥ 0.1-≤ 5%
  - 57-50-1 sucrose, pure ≥ 0.1-≤ 3%
  - 26172-55-4 5-chloro-2-methyl-2H-isothiazol-3-one ≤ 0.1%

- Additional information: For the wording of the listed hazard phrases refer to section 16.

4 First-aid measures

- Description of first aid measures
- General information:
  Immediately remove any clothing soiled by the product.
  In the event of persistent symptoms receive medical treatment.
- After inhalation:
  Supply fresh air and to be sure call for a doctor.
  In case of unconsciousness place patient stably in side position for transportation.
  Immediately move exposed person to fresh air. If breathing difficulty persists or develops get prompt medical attention.
- After skin contact:
  Immediately wash with water and soap and rinse thoroughly.
  If skin irritation continues, consult a doctor.
- After eye contact:
  Rinse opened eye for several minutes under running water. Then consult a doctor.
  Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- After swallowing:
  Seek medical treatment.
- Information for doctor:
  - 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: Use fire fighting measures that suit the environment.
- Special hazards arising from the substance or mixture: No further relevant information available.
- Advice for firefighters
- Protective equipment:
  Because fire may produce thermal decomposition products, wear a self-contained breathing apparatus (SCBA) with a full face piece operated in pressure-demand or positive-pressure mode.
6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**
  Wear protective equipment. Keep unprotected persons away.

- **Environmental precautions:** Do not allow product to reach sewage system or any water course.

- **Methods and material for containment and cleaning up:**
  Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
  Ensure adequate ventilation.

- **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.

- **Protective Action Criteria for Chemicals**

  - **PAC-1:**
    - 56-81-5 glycerol 45 mg/m³
    - 26172-55-4 5-chloro-2-methyl-2H-isothiazol-3-one 0.6 mg/m³

  - **PAC-2:**
    - 56-81-5 glycerol 180 mg/m³
    - 26172-55-4 5-chloro-2-methyl-2H-isothiazol-3-one 6.6 mg/m³

  - **PAC-3:**
    - 56-81-5 glycerol 1,100 mg/m³
    - 26172-55-4 5-chloro-2-methyl-2H-isothiazol-3-one 40 mg/m³

7 Handling and storage

- **Handling:**
  - **Precautions for safe handling**
    Wear appropriate personal protective clothing to prevent eye and skin contact. Avoid breathing vapors or mists of this product. Use with adequate ventilation. Do not take internally.

  - **Information about protection against explosions and fires:** No special measures required.

  - **Conditions for safe storage, including any incompatibilities**

  - **Storage:** cool and dry

  - **Requirements to be met by storerooms and receptacles:** No special requirements.

  - **Information about storage in one common storage facility:** Store away from foodstuffs.

  - **Further information about storage conditions:** Keep receptacle tightly sealed.

  - **Specific end use(s)** No further relevant information available.

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 following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit.
    At this time, the other constituents have no known exposure limits.
Trade name: Top Cast® Gray 100 VOC

56-81-5 glycerol

<table>
<thead>
<tr>
<th>PEL</th>
<th>Long-term value: 15* 5** mg/m³</th>
<th>mist; *total dust **respirable fraction</th>
</tr>
</thead>
<tbody>
<tr>
<td>TLV</td>
<td>TLV withdrawn-insufficient data human occup. exp.</td>
<td></td>
</tr>
</tbody>
</table>

57-50-1 sucrose, pure

<table>
<thead>
<tr>
<th>PEL</th>
<th>Long-term value: 15* 5** mg/m³</th>
<th>*total dust **respirable fraction</th>
</tr>
</thead>
<tbody>
<tr>
<td>REL</td>
<td>Long-term value: 10* 5** mg/m³</td>
<td>*total dust **respirable fraction</td>
</tr>
<tr>
<td>TLV</td>
<td>Long-term value: 10 mg/m³</td>
<td></td>
</tr>
</tbody>
</table>

- Additional information: The lists that were valid during the creation were used as basis.

- Exposure controls
  - Personal protective equipment:
    - General protective and hygienic measures:
      Keep away from foodstuffs, beverages and feed.
      Immediately remove all soiled and contaminated clothing.
      Wash hands before breaks and at the end of work.
      Avoid contact with the eyes and skin.
    - Breathing equipment:
      In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.
    - Protection of hands:
      Protective gloves
      The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
    - Eye protection: Wear appropriate eye protection to prevent eye contact.

9 Physical and chemical properties

- Information on basic physical and chemical properties
  - General Information
    - Appearance:
      Form: Liquid
      Color: Gray
    - Odor:
      Odor: Characteristic
      Odor threshold: Not determined.
    - pH-value at 20 °C (68 °F):
      4
  - Change in condition
    Melting point/Melting range:
    Undetermined.
    Boiling point/Boiling range:
    100 °C (212 °F)
  - Flash point:
    >100 °C (>212 °F)
  - Flammability (solid, gaseous):
    Not applicable.
  - Ignition temperature:
    400 °C (752 °F)
  - Decomposition temperature:
    Not determined.
Safety Data Sheet
acc. to OSHA HCS

Trade name: Top Cast® Gray 100 VOC

(Contd. of page 4)

- **Auto igniting**: Product is not selfigniting.
- **Danger of explosion**: Product does not present an explosion hazard.
- **Explosion limits**:
  - Lower: Not determined.
  - Upper: Not determined.
- **Vapor pressure at 20 °C (68 °F)**: 23 hPa (17.3 mm Hg)
- **Density at 20 °C (68 °F)**: 1.1 g/cm³ (9.1795 lbs/gal)
- **Relative density**: Not determined.
- **Vapor density**: Not determined.
- **Evaporation rate**: Not determined.
- **Solubility in / Miscibility with Water**: Fully miscible.
- **Partition coefficient (n-octanol/water)**: Not determined.
- **Viscosity**:
  - Dynamic: Not determined.
  - Kinematic: Not determined.
- **Solvent content**:
  - Organic solvents: 5.0 %
  - Water: 80.0 %
- **Solids content**: 0.0 %
- **Other information**: No further relevant information available.
- **Volatile Organic Compounds**: Contains less than 50 g/L.

10 Stability and reactivity

- **Reactivity**: No decomposition if stored and applied as directed.
- **Chemical stability**: No decomposition if stored and applied as directed
- **Thermal decomposition / conditions to be avoided**: No decomposition if used according to specifications.
- **Possibility of hazardous reactions**: No dangerous reactions known.
- **Conditions to avoid**: Keep away from heat and sources of ignition.
- **Incompatible materials**: No further relevant information available.
- **Hazardous decomposition products**: No dangerous decomposition products known.

11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity**:
- **Primary irritant effect**:
  - on the skin: May cause skin irritation.
  - on the eye: Irritating effect.
- **Sensitization**: Sensitization possible through skin contact.
- **Additional toxicological information**:
  The product shows the following dangers according to internally approved calculation methods for preparations:
  - **Irritant**
### 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
    - **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:**
    It is the generator's responsibility to determine if the waste meets applicable definitions of hazardous waste. State and local regulations may differ from federal disposal regulations. Dispose of waste material according to local, state, federal, and provincial environmental regulations.

- **Uncleaned packagings:**
  - **Recommendation:** Disposal must be made according to Federal, State, and Local regulations.

- **Recommended cleansing agent:** Water, if necessary with cleansing agents.

### 14 Transport information

- **UN-Number**
  - DOT, ADR, ADN, IMDG, IATA Not Regulated

- **UN proper shipping name**
  - DOT, ADR, ADN, IMDG, IATA Not Regulated

- **Transport hazard class(es)**
  - DOT, ADR, ADN, IMDG, IATA Class Not Regulated

- **Packing group**
  - DOT, ADR, IMDG, IATA Not Regulated
Trade name: Top Cast® Gray 100 VOC

Environmental hazards: Not applicable.

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: Not applicable.

Transport/Additional information:

ADR: Same as listed for Standard Shipments above.

U.S. Domestic Ground Shipments: Same as listed for Standard Shipments above.

U.S. Domestic Ground Non-Bulk (119 gal or less per container) Shipments: Same as listed for Standard Shipments above.

Emergency Response Guide (ERG) Number: Not determine

UN "Model Regulation": Not Regulated

15 Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture:

Sara

Section 355 (extremely hazardous substances):
None of the ingredient is listed.

Section 313 (Specific toxic chemical listings):
This product may contain 1 or more toxic chemicals subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR part 372. If so, the chemicals are listed below.

None of the ingredients is listed.

TSCA (Toxic Substances Control Act):
All ingredients are listed.

Proposition 65

Chemicals known to the State of California (Prop. 65) to cause cancer:
None of the ingredients is listed.

Chemicals known to cause reproductive toxicity for females:
None of the ingredients is listed.

Chemicals known to cause reproductive toxicity for males:
None of the ingredients is listed.

Chemicals known to cause developmental toxicity:
None of the ingredients is listed.

Cancerogenity categories

EPA (Environmental Protection Agency):
None of the ingredients is listed.

TLV (Threshold Limit Value established by ACGIH):
57-50-1 sucrose, pure A4

MAK (German Maximum Workplace Concentration):
None of the ingredients is listed.

NIOSH-Ca (National Institute for Occupational Safety and Health):
None of the ingredients is listed.

GHS label elements The product is classified and labeled according to the Globally Harmonized System (GHS).
Trade name: Top Cast® Gray 100 VOC

- **Hazard pictograms**

  ![Hazard Pictogram](image)

  GHS07

- **Signal word** Warning

- **Hazard-determining components of labeling:**
  5-chloro-2-methyl-2H-isothiazol-3-one

- **Hazard statements**
  May cause an allergic skin reaction.

- **Precautionary statements**
  Avoid breathing dust/fume/gas/mist/vapors/spray
  Wear protective gloves.
  If skin irritation or rash occurs: Get medical advice/attention.
  Specific treatment (see on this label).
  Wash contaminated clothing before reuse.
  Dispose of contents/container in accordance with local/regional/national/international regulations.

- **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

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**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:** Environmental, Health & Safety Department
- **Contact:** Environmental, Health & Safety Manager
- **Date of preparation / last revision** 03/05/2019 / 2

- **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)
  NFPA: National Fire Protection Association (USA)
  HMIS: Hazardous Materials Identification System (USA)
  PBT: Persistent, Bioaccumulative and Toxic
  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
  Skin Sens. 1: Skin sensitisation – Category 1