1 Identification

- **Product identifier**
  - **Trade name:** TOP-CAST® EX 200 Wash-Off Extender
  - **Article number:** 83-101003
  - **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**
  - Flam. Liq. 4  H227  Combustible liquid.
  - Eye Irrit. 2B H320  Causes eye irritation.
  - Skin Sens. 1 H317  May cause an allergic skin reaction.
  - Aquatic Acute 2  H401  Toxic to aquatic life.
  - Aquatic Chronic 2  H411  Toxic to aquatic life with long lasting effects.

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

  ![GHS07](image1) ![GHS09](image2)

- **Signal word** Warning

- **Hazard-determining components of labeling:**
  - Distilled Tall Oil Fatty Acids

- **Hazard statements**
  - Combustible liquid.
  - Causes eye irritation.
  - May cause an allergic skin reaction.
  - Toxic to aquatic life.
  - Toxic to aquatic life with long lasting effects.

- **Precautionary statements**
  - Keep away from flames and hot surfaces. – No smoking.
  - Avoid breathing dust/fume/gas/mist/vapors/spray
  - Wear protective gloves/protective clothing/eye protection/face protection.
  - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
  - Store in a well-ventilated place. Keep cool.
  - Dispose of contents/container in accordance with local/regional/national/international regulations.

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

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

<table>
<thead>
<tr>
<th>Substance ID</th>
<th>Chemical Name</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>68131-87-3</td>
<td>Petroleum Hydrocarbon Resin</td>
<td>≥2.5-%&lt;13%</td>
</tr>
<tr>
<td>98-56-6</td>
<td>4-chloro-alpha,alpha,alpha-trifluorotoluene</td>
<td>&lt;3.75%</td>
</tr>
<tr>
<td>61790-12-3</td>
<td>Distilled Tall Oil Fatty Acids</td>
<td>≥1-%&lt;1.6%</td>
</tr>
<tr>
<td>1330-20-7</td>
<td>xylene</td>
<td>&lt;1.2%</td>
</tr>
<tr>
<td>100-41-4</td>
<td>ethylbenzene</td>
<td>≥0.1-%&lt;0.4%</td>
</tr>
</tbody>
</table>

- 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 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.
- 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:**
  - CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **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.

## 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:** Not required.
  - **Further information about storage conditions:** None.
  - **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.

- **1330-20-7 xylene**
  - **PEL** Long-term value: 435 mg/m³, 100 ppm
Trade name: TOP-CAST® EX 200 Wash-Off Extender

- REL Short-term value: 655 mg/m³, 150 ppm
  Long-term value: 435 mg/m³, 100 ppm
- TLV Short-term value: 651 mg/m³, 150 ppm
  Long-term value: 434 mg/m³, 100 ppm

100-41-4 ethylbenzene

- PEL Long-term value: 435 mg/m³, 100 ppm
- REL Short-term value: 545 mg/m³, 125 ppm
  Long-term value: 435 mg/m³, 100 ppm
- TLV Long-term value: 87 mg/m³, 20 ppm

Ingredients with biological limit values:

1330-20-7 xylene

- BEI 1.5 g/g creatinine
  Medium: urine
  Time: end of shift
  Parameter: Methylhippuric acids

100-41-4 ethylbenzene

- BEI 0.7 g/g creatinine
  Medium: urine
  Time: end of shift at end of workweek
  Parameter: Sum of mandelic acid and phenylglyoxylic acid (nonspecific, semi-quantitative)
  - Medium: end-exhaled air
    Time: not critical
    Parameter: Ethyl benzene (semi-quantitative)

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: According to product specification
- **Odor:** Characteristic
- **Odor threshold:** Not determined.
- **pH-value:** Not determined.
- **Change in condition**
  - Melting point/Melting range: Undetermined.
  - Boiling point/Boiling range: 100 °C (212 °F)
- **Flash point:** 68 °C (154.4 °F)
- **Flammability (solid, gaseous):** Not applicable.
- **Decomposition temperature:** Not determined.
- **Auto igniting:** Product is not selfigniting.
- **Danger of explosion:** Not determined.
- **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):** 1.016 g/cm³ (8.47852 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: 2.2 %
  - Water: 77.0 %
- **Solids content:** 17.0 %
- **Other information**
  - No further relevant information available.
- **Volatile Organic Compounds:** Contains less than 100 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: Strong irritant with the danger of severe eye injury.
  - Sensitization: Sensitization possible through skin contact.
  - Additional toxicological information:
    The product shows the following dangers according to internally approved calculation methods for preparations: Irritant

- Carcinogenic categories

<table>
<thead>
<tr>
<th>IARC (International Agency for Research on Cancer)</th>
</tr>
</thead>
</table>
| 1330-20-7 xylene                               | 3  
| 100-41-4 ethylbenzene                          | 2B  
| 128-37-0 Butylated hydroxytoluene              | 3  
| 108-88-3 toluene                               | 3  
| 111-42-2 2,2'-iminodiethanol                   | 2B  
| 91-20-3 naphthalene                            | 2B  

- NTP (National Toxicology Program)

<table>
<thead>
<tr>
<th>NTP (National Toxicology Program)</th>
</tr>
</thead>
</table>
| 91-20-3 naphthalene               | R  

- OSHA-Ca (Occupational Safety & Health Administration)

None of the ingredients is 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
  - 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

- Environmental hazards:
  - Marine pollutant: No

- 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.
  - 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.

  1330-20-7 xylene <1.2%
**Trade name:** TOP-CAST® EX 200 Wash-Off Extender

<table>
<thead>
<tr>
<th>CAS Number</th>
<th>Chemical Name</th>
<th>% Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>100-41-4</td>
<td>ethylbenzene</td>
<td>≥0.1 - &lt;0.4%</td>
</tr>
<tr>
<td>108-88-3</td>
<td>toluene</td>
<td>&lt;0.1%</td>
</tr>
<tr>
<td>111-42-2</td>
<td>2,2'-iminodiethanol</td>
<td>&lt;0.1%</td>
</tr>
<tr>
<td>91-20-3</td>
<td>naphthalene</td>
<td>&lt;0.025%</td>
</tr>
</tbody>
</table>

- **TSCA (Toxic Substances Control Act):**
  - 68131-87-3 Petroleum Hydrocarbon Resin
  - 98-56-6 4-chloro-alpha,alpha,alpha-trifluorotoluene
  - 61790-12-3 Distilled Tall Oil Fatty Acids
  - 1330-20-7 xylene
  - 141-43-5 monoethanolamine
  - 100-41-4 ethylbenzene
  - 11138-66-2 Xanthan Gum
  - 128-37-0 Butylated hydroxytoluene
  - 64742-65-0 Distillates (petroleum), solvent-dewaxed heavy paraffinic
  - 108-88-3 toluene
  - 64741-88-4 Distillates (petroleum), solvent-refined heavy paraffinic
  - 64741-89-5 Distillates (petroleum), solvent-refined light paraffinic
  - 111-42-2 2,2'-iminodiethanol
  - 91-20-3 naphthalene
  - 107-22-2 glyoxal
  - 7732-18-5 water, distilled, conductivity or of similar purity

- **Hazardous Air Pollutants**
  - 1330-20-7 xylene
  - 100-41-4 ethylbenzene
  - 108-88-3 toluene
  - 111-42-2 2,2'-iminodiethanol
  - 91-20-3 naphthalene

- **Proposition 65**
  - **Chemicals known to the State of California (Prop. 65) to cause cancer:**
    - 100-41-4 ethylbenzene
    - 111-42-2 2,2'-iminodiethanol
    - 91-20-3 naphthalene
  - **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:**
    - 108-88-3 toluene

- **Cancerogenity categories**
  - **EPA (Environmental Protection Agency)**
    - 1330-20-7 xylene
    - 100-41-4 ethylbenzene
### TLV (Threshold Limit Value established by ACGIH)

<table>
<thead>
<tr>
<th>CAS Number</th>
<th>Chemical</th>
<th>TLV</th>
</tr>
</thead>
<tbody>
<tr>
<td>108-88-3</td>
<td>toluene</td>
<td>II</td>
</tr>
<tr>
<td>91-20-3</td>
<td>naphthalene</td>
<td>C, CBD</td>
</tr>
</tbody>
</table>

- **MAK (German Maximum Workplace Concentration)**

<table>
<thead>
<tr>
<th>CAS Number</th>
<th>Chemical</th>
<th>MAK</th>
</tr>
</thead>
<tbody>
<tr>
<td>100-41-4</td>
<td>ethylbenzene</td>
<td>A3</td>
</tr>
<tr>
<td>128-37-0</td>
<td>Butylated hydroxytoluene</td>
<td>A4</td>
</tr>
<tr>
<td>108-88-3</td>
<td>toluene</td>
<td>A4</td>
</tr>
<tr>
<td>111-42-2</td>
<td>2,2'-iminodiethanol</td>
<td>A3</td>
</tr>
<tr>
<td>91-20-3</td>
<td>naphthalene</td>
<td>A4</td>
</tr>
<tr>
<td>107-22-2</td>
<td>glyoxal</td>
<td>A4</td>
</tr>
</tbody>
</table>

### 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).

### Hazard pictograms

- GHS07
- GHS09

### Signal word Warning

### Hazard-determining components of labeling:

- Distilled Tall Oil Fatty Acids

### Hazard statements

- Combustible liquid.
- Causes eye irritation.
- May cause an allergic skin reaction.
- Toxic to aquatic life.
- Toxic to aquatic life with long lasting effects.

### Precautionary statements

- Keep away from flames and hot surfaces. – No smoking.
- Avoid breathing dust/fume/gas/mist/vapors/spray
- Wear protective gloves/protective clothing/eye protection/face protection.
- If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Store in a well-ventilated place. Keep cool.
- Dispose of contents/container in accordance with local/regional/national/international regulations.

### Chemical safety assessment:

A Chemical Safety Assessment has not been carried out.
Trade name: TOP-CAST® EX 200 Wash-Off Extender

- **Department issuing SDS:** Environmental, Health & Safety Department
- **Contact:** Environmental, Health & Safety Manager
- **Date of preparation / last revision:** 06/16/2020 / 43
- **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
  - BEI: Biological Exposure Limit
  - Flam. Liq. 4: Flammable liquids – Category 4
  - Eye Irrit. 2B: Serious eye damage/eye irritation – Category 2B
  - Skin Sens. 1: Skin sensitisation – Category 1
  - Aquatic Acute 2: Hazardous to the aquatic environment - acute aquatic hazard – Category 2
  - Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2