1 Identification

- Product identifier
  - Trade name: Clean Strip™ J1EF
  - Article number: 83-309374
  - Application of the substance / the mixture

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

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.
  STOT SE 3  H335  May cause respiratory irritation.

- 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:
  Distilled Tall Oil Fatty Acids

- Hazard statements
  May cause an allergic skin reaction.
  May cause respiratory irritation.

- Precautionary statements
  Avoid breathing dust/fume/gas/mist/vapors/spray
  Wear protective gloves.
  IF INHALED: Remove person to fresh air and keep comfortable for breathing.
  Call a poison center/doctor if you feel unwell.
  Store locked up.
  Dispose of contents/container in accordance with local/regional/national/international regulations.

- Classification system:

- NFPA ratings (scale 0 - 4)
  - Health = 0
  - Fire = 0
  - Reactivity = 0

(Contd. on page 2)
Safety Data Sheet
acc. to OSHA HCS

Trade name: Clean Strip™ J1EF

- HMIS-ratings (scale 0 - 4)

<table>
<thead>
<tr>
<th>HEALTH</th>
<th>FIRE</th>
<th>PHYSICAL HAZARD</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

Health = 0
Fire = 0
Reactivity = 0

- 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:
  61790-12-3 Distilled Tall Oil Fatty Acids ≥0.1-%<0.2%

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

4 First-aid measures

- Description of first aid measures
  - After inhalation: Supply fresh air; consult doctor in case of complaints.
  - After skin contact: If skin irritation continues, consult a doctor.
  - After eye contact: Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
  - 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).
- Reference to other sections
  - No dangerous substances are released.
  - See Section 7 for information on safe handling.
### Protective Action Criteria for Chemicals

<table>
<thead>
<tr>
<th>PAC-1</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>9005-00-9</td>
<td>Poly(oxy-1,2-ethanediyl), alpha-octadecyl-omega-hydroxy-</td>
<td>5.7 mg/m³</td>
</tr>
<tr>
<td>4080-31-3</td>
<td>Methenamine 3-chloroallylchloride</td>
<td>1.5 mg/m³</td>
</tr>
<tr>
<td>36653-82-4</td>
<td>1-Hexadecanol</td>
<td>1.6 mg/m³</td>
</tr>
<tr>
<td>112-80-1</td>
<td>oleic acid, pure</td>
<td>220 mg/m³</td>
</tr>
<tr>
<td>144-55-8</td>
<td>sodium hydrogencarbonate</td>
<td>13 mg/m³</td>
</tr>
<tr>
<td>100-97-0</td>
<td>methenamine</td>
<td>55 mg/m³</td>
</tr>
<tr>
<td>112-53-8</td>
<td>Lauryl alcohol</td>
<td>12 mg/m³</td>
</tr>
<tr>
<td>75-09-2</td>
<td>dichloromethane</td>
<td>200 ppm</td>
</tr>
<tr>
<td>542-75-6</td>
<td>1,3-dichloropropene</td>
<td>3 ppm</td>
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</table>

<table>
<thead>
<tr>
<th>PAC-2</th>
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</tr>
</thead>
<tbody>
<tr>
<td>9005-00-9</td>
<td>Poly(oxy-1,2-ethanediyl), alpha-octadecyl-omega-hydroxy-</td>
<td>63 mg/m³</td>
</tr>
<tr>
<td>4080-31-3</td>
<td>Methenamine 3-chloroallylchloride</td>
<td>17 mg/m³</td>
</tr>
<tr>
<td>36653-82-4</td>
<td>1-Hexadecanol</td>
<td>18 mg/m³</td>
</tr>
<tr>
<td>112-80-1</td>
<td>oleic acid, pure</td>
<td>2,400 mg/m³</td>
</tr>
<tr>
<td>144-55-8</td>
<td>sodium hydrogencarbonate</td>
<td>140 mg/m³</td>
</tr>
<tr>
<td>100-97-0</td>
<td>methenamine</td>
<td>610 mg/m³</td>
</tr>
<tr>
<td>112-53-8</td>
<td>Lauryl alcohol</td>
<td>140 mg/m³</td>
</tr>
<tr>
<td>75-09-2</td>
<td>dichloromethane</td>
<td>560 ppm</td>
</tr>
<tr>
<td>542-75-6</td>
<td>1,3-dichloropropene</td>
<td>19 ppm</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>PAC-3</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>9005-00-9</td>
<td>Poly(oxy-1,2-ethanediyl), alpha-octadecyl-omega-hydroxy-</td>
<td>380 mg/m³</td>
</tr>
<tr>
<td>4080-31-3</td>
<td>Methenamine 3-chloroallylchloride</td>
<td>99 mg/m³</td>
</tr>
<tr>
<td>36653-82-4</td>
<td>1-Hexadecanol</td>
<td>110 mg/m³</td>
</tr>
<tr>
<td>112-80-1</td>
<td>oleic acid, pure</td>
<td>15,000 mg/m³</td>
</tr>
<tr>
<td>144-55-8</td>
<td>sodium hydrogencarbonate</td>
<td>840 mg/m³</td>
</tr>
<tr>
<td>100-97-0</td>
<td>methenamine</td>
<td>3,600 mg/m³</td>
</tr>
<tr>
<td>112-53-8</td>
<td>Lauryl alcohol</td>
<td>820 mg/m³</td>
</tr>
<tr>
<td>75-09-2</td>
<td>dichloromethane</td>
<td>6,900 ppm</td>
</tr>
<tr>
<td>542-75-6</td>
<td>1,3-dichloropropene</td>
<td>120 ppm</td>
</tr>
</tbody>
</table>

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

- **Information about storage in one common storage facility:** Not required.
### 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**: Wash hands before breaks and at the end of work.
  - **Breathing equipment**: Not required.
  - **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**: Not applicable.
  - **Flammability (solid, gaseous)**: Not applicable.
  - **Decomposition temperature**: Not determined.
  - **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)
10 Stability and reactivity

- Reactivity: No further relevant information available.
- Chemical stability
- 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: No irritating effect known.
- Sensitization: No sensitizing effects known.
- Additional toxicological information:
  - Carcinogenic categories
    - IARC (International Agency for Research on Cancer)
      - 75-09-2 dichloromethane 2A
      - 542-75-6 1,3-dichloropropene 2B
    - NTP (National Toxicology Program)
      - 75-09-2 dichloromethane R
      - 542-75-6 1,3-dichloropropene R
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: Not Regulated
  - 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.
### 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.

<table>
<thead>
<tr>
<th>CAS Number</th>
<th>Chemical Name</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>4080-31-3</td>
<td>Methenamine 3-chloroallylochloride</td>
<td>&lt;0.1%</td>
</tr>
<tr>
<td>75-09-2</td>
<td>dichloromethane</td>
<td>&lt;0.1%</td>
</tr>
<tr>
<td>542-75-6</td>
<td>1,3-dichloropropene</td>
<td>&lt;0.025%</td>
</tr>
</tbody>
</table>

- **TSCA (Toxic Substances Control Act):**

<table>
<thead>
<tr>
<th>CAS Number</th>
<th>Chemical Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>9005-00-9</td>
<td>Poly(oxy-1,2-ethanediyl), .alpha.-octadecyloctadec-9-enol</td>
</tr>
<tr>
<td>143-28-2</td>
<td>(Z)-octadec-9-enol</td>
</tr>
<tr>
<td>2425-77-6</td>
<td>Jarcol I-16, Isofol 16 Alcohol</td>
</tr>
<tr>
<td>61790-12-3</td>
<td>Distilled Tall Oil Fatty Acids</td>
</tr>
<tr>
<td>4080-31-3</td>
<td>Methenamine 3-chloroallylochloride</td>
</tr>
<tr>
<td>36653-82-4</td>
<td>1-Hexadecanol</td>
</tr>
<tr>
<td>112-80-1</td>
<td>oleic acid, pure</td>
</tr>
<tr>
<td>144-55-8</td>
<td>sodium hydrogen carbonate</td>
</tr>
<tr>
<td>112-72-1</td>
<td>1-Tetradecanol</td>
</tr>
<tr>
<td>100-97-0</td>
<td>methenamine</td>
</tr>
<tr>
<td>629-96-9</td>
<td>icosan-1-ol</td>
</tr>
<tr>
<td>112-53-8</td>
<td>Lauryl alcohol</td>
</tr>
<tr>
<td>75-09-2</td>
<td>dichloromethane</td>
</tr>
<tr>
<td>542-75-6</td>
<td>1,3-dichloropropene</td>
</tr>
<tr>
<td>7732-18-5</td>
<td>water, distilled, conductivity or of similar purity</td>
</tr>
</tbody>
</table>

- **Proposition 65**
  - **Chemicals known to the State of California (Prop. 65) to cause cancer:**
    - 75-09-2 dichloromethane
    - 542-75-6 1,3-dichloropropene
  - **Chemicals known to cause reproductive toxicity for females:**
    - None of the ingredients is listed.
# Safety Data Sheet

**Trade name:** Clean Strip™ J1EF

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### 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)**
  - 75-09-2 dichloromethane
    - L
  - 542-75-6 1,3-dichloropropene
    - B2, K/L

- **TLV (Threshold Limit Value established by ACGIH)**
  - 75-09-2 dichloromethane
    - A3
  - 542-75-6 1,3-dichloropropene
    - A3

- **MAK (German Maximum Workplace Concentration)**
  - 112-80-1 oleic acid, pure
    - 3A
  - 75-09-2 dichloromethane
    - 3A
  - 542-75-6 1,3-dichloropropene
    - 2

- **NIOSH-Ca (National Institute for Occupational Safety and Health)**
  - 75-09-2 dichloromethane
  - 542-75-6 1,3-dichloropropene

### 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:

- Distilled Tall Oil Fatty Acids

### Hazard statements

- May cause an allergic skin reaction.
- May cause respiratory irritation.

### Precautionary statements

- Avoid breathing dust/fume/gas/mist/vapors/spray
- Wear protective gloves.
- **IF INHALED:** Remove person to fresh air and keep comfortable for breathing.
- Call a poison center/doctor if you feel unwell.
- Store locked up.
- Dispose of contents/container in accordance with local/regional/national/international regulations.

### National regulations:

- **Water hazard class:** Water hazard class 1 (Self-assessment): slightly hazardous for water.
- **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:** Environmental, Health & Safety Department
- **Contact:** Environmental, Health & Safety Manager
- **Date of preparation / last revision** 02/18/2019 / 65

**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
- STOT SE 3: Specific target organ toxicity (single exposure) – Category 3