1 Identification

· Product identifier
· Trade name: Special Patch® Liquid
· Article number: 83-139951A
· 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

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](image)

· Signal word Warning
· 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)

  ![0](image)
  Health = 0
  Fire = 0
  Reactivity = 0

· HMIS-ratings (scale 0 - 4)

  ![0](image)
  HEALTH  Health = 0
  FIRE  Fire = 0
  PHYSICAL HAZARD  Reactivity = 0

(Contd. on page 2)
· 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:
  7664-41-7 ammonia, anhydrous <0.25%
· 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:
  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.
  Immediately rinse with water.
  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:
  Dilute with plenty of water.
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: 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:

<table>
<thead>
<tr>
<th>Substance</th>
<th>PEL Long-term value</th>
<th>REL Long-term value</th>
<th>TLV Long-term value</th>
</tr>
</thead>
<tbody>
<tr>
<td>7664-41-7 ammonia, anhydrous</td>
<td>35 mg/m³, 50 ppm</td>
<td>27 mg/m³, 35 ppm, 18 mg/m³, 25 ppm</td>
<td>24 mg/m³, 35 ppm, 17 mg/m³, 25 ppm</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 skin. 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.

(Contd. of page 4)
- Protection of hands:
  Protective gloves

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.

- 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: Wear appropriate eye protection to prevent eye contact.

### 9 Physical and chemical properties

<table>
<thead>
<tr>
<th>Information on basic physical and chemical properties</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>General Information</strong></td>
</tr>
<tr>
<td><strong>Appearance:</strong></td>
</tr>
<tr>
<td><strong>Form:</strong> Liquid</td>
</tr>
<tr>
<td><strong>Color:</strong> Colorless</td>
</tr>
<tr>
<td><strong>Odor:</strong> Odorless</td>
</tr>
<tr>
<td><strong>Odor threshold:</strong> Not determined.</td>
</tr>
<tr>
<td><strong>pH-value:</strong> Not determined.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Change in condition</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Melting point/Melting range:</strong> 0 °C (32 °F)</td>
</tr>
<tr>
<td><strong>Boiling point/Boiling range:</strong> 100 °C (212 °F)</td>
</tr>
</tbody>
</table>

- 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)

- Density at 20 °C (68 °F): 1.01761 g/cm³ (8.49196 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.
Trade name: Special Patch® Liquid

- Solvent content:
  - Water: 99.6 %
- Solids content: 24.6 %
- 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: No irritating effect known.
  - Sensitization: No sensitizing effects known.
- Additional toxicological information:
The product shows the following dangers according to internally approved calculation methods for preparations:
- Irritant

- Carcinogenic categories
  - IARC (International Agency for Research on Cancer)
    7631-86-9 silicon dioxide, chemically prepared 3
  - NTP (National Toxicology Program)
    None of the ingredients is listed.
  - 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.
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.

- 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:
    - 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):
  - 7664-41-7 ammonia, anhydrous

(Contd. of page 7)
Trade name: Special Patch® Liquid

- **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>Chemical ID</th>
<th>Chemical Name</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>7664-41-7</td>
<td>ammonia, anhydrous</td>
<td>&lt;0.25%</td>
</tr>
</tbody>
</table>

- **TSCA (Toxic Substances Control Act):**
  7664-41-7 ammonia, anhydrous
  4719-04-4 2,2',2''-(hexahydro-1,3,5-triazine-1,3,5-triyl)triethanol
  1310-73-2 sodium hydroxide
  2634-33-5 1,2-benzisothiazol-3(2H)-one
  7631-86-9 silicon dioxide, chemically prepared
  7732-18-5 water, distilled, conductivity or of similar purity

- **Hazardous Air Pollutants**
  None of the ingredients is 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)**
    None of the ingredients is listed.
  - **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).

- **Hazard pictograms**

  GH07

- **Signal word** Warning

- **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.

(Contd. on page 8)
Specific treatment (see on this label).
Wash contaminated clothing before reuse.
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

The provided 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.

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 09/24/2020 / 88

- 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
  REL: Permissible Exposure Limit
  Skin Sens. 1: Skin sensitisation – Category 1