1 Identification

· Product identifier
  · Trade name: 39814 Satin Black Chip Guard
  · Article number: 39814
  · Application of the substance / the mixture: Coating
· Details of the supplier of the safety data sheet
  · Manufacturer/Supplier: SEM Products Inc.
    1685 Overview Drive
    Rock Hill, SC  29730
    803 207 8225
  · Information department: 1-87-REFINISH
  · Emergency telephone number: CHEMTREC 1-800-424-9300

2 Hazard(s) identification

· Classification of the substance or mixture
  · GHS02 Flame
    Flam. Liq. 2 H225 Highly flammable liquid and vapor.
  · GHS08 Health hazard
    Repr. 2 H361 Suspected of damaging fertility or the unborn child.
    STOT RE 1 H372 Causes damage to the central nervous system through prolonged or repeated exposure.
  · GHS05 Corrosion
    Eye Dam. 1 H318 Causes serious eye damage.
  · GHS07
    Skin Irrit. 2 H315 Causes skin irritation.
    STOT SE 3 H336 May cause drowsiness or dizziness.

· Label elements
  · GHS label elements The product is classified and labeled according to the Globally Harmonized System (GHS).
  · Hazard pictograms
    GHS02  GHS05  GHS07  GHS08

· Signal word Danger
Trade name: 39814 Satin Black Chip Guard

- **Hazard-determining components of labeling:**
  - toluene
  - butanol
  - Solvent naphtha (petroleum), medium aliph.
  - butanone

- **Hazard statements**
  - H225 Highly flammable liquid and vapor.
  - H315 Causes skin irritation.
  - H318 Causes serious eye damage.
  - H361 Suspected of damaging fertility or the unborn child.
  - H336 May cause drowsiness or dizziness.
  - H372 Causes damage to the central nervous system through prolonged or repeated exposure.

- **Precautionary statements**
  - P201 Obtain special instructions before use.
  - P202 Do not handle until all safety precautions have been read and understood.
  - P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
  - P240 Ground/bond container and receiving equipment.
  - P241 Use explosion-proof electrical/ventilating/lighting/equipment.
  - P242 Use only non-sparking tools.
  - P243 Take precautionary measures against static discharge.
  - P260 Do not breathe dust/fume/gas/mist/vapors/spray.
  - P264 Wash thoroughly after handling.
  - P270 Do not eat, drink or smoke when using this product.
  - P271 Use only outdoors or in a well-ventilated area.
  - P280 Wear protective gloves/protective clothing/eye protection/face protection.
  - P303+P361+P353 If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
  - P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
  - P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
  - P308+P313 IF exposed or concerned: Get medical advice/attention.
  - P321 Specific treatment (see on this label).
  - P314 Get medical advice/attention if you feel unwell.
  - P310 Immediately call a poison center/doctor.
  - P322 If skin irritation occurs: Get medical advice/attention.
  - P370+P378 In case of fire: Use for extinction: CO2, powder or water spray.
  - P403+P233 Store in a well-ventilated place. Keep container tightly closed.
  - P403+P235 Store in a well-ventilated place. Keep cool.
  - P405 Store locked up.
  - P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

- **Classification system:**
  - **NFPA ratings (scale 0 - 4)**
    - Health = 3
    - Fire = 3
    - Reactivity = 0

(Contd. on page 3)
Trade name: 39814 Satin Black Chip Guard

- HMIS-ratings (scale 0 - 4)
  - Health = *3
  - Fire = 3
  - 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: consisting of the following components.
- Weight percentages

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>108-88-3 toluene</td>
<td>30-40%</td>
</tr>
<tr>
<td>64742-88-7 Solvent naphtha</td>
<td>13-30%</td>
</tr>
<tr>
<td>78-83-1 butanol</td>
<td>≥7-&lt;10%</td>
</tr>
<tr>
<td>78-93-3 butanone</td>
<td>≥7-&lt;10%</td>
</tr>
<tr>
<td>67-63-0 propan-2-ol</td>
<td>5-7%</td>
</tr>
<tr>
<td>108-65-6 2-methoxy-1-methylethyl</td>
<td>1.5-5%</td>
</tr>
<tr>
<td>2807-30-9 2-(propyloxy)ethanol</td>
<td>1.5-5%</td>
</tr>
<tr>
<td>112926-00-8 precipitated Silica</td>
<td>1-1.5%</td>
</tr>
</tbody>
</table>

4 First-aid measures

- Description of first aid measures
  - After inhalation: In case of unconsciousness place patient stably in side position for transportation.
  - After skin contact: Immediately wash with water and soap and rinse thoroughly.
  - After eye contact: Rinse opened eye for several minutes under running water. Then consult a doctor.
  - After swallowing: If symptoms persist consult 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:
    - CO2, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
    - For safety reasons unsuitable extinguishing agents: Water with full jet
  - Special hazards arising from the substance or mixture: No further relevant information available.
Trade name: 39814 Satin Black Chip Guard

- Advice for firefighters
  - Protective equipment: No special measures required.

6 Accidental release measures

- Personal precautions, protective equipment and emergency procedures
  Wear protective equipment. Keep unprotected persons away.
- Environmental precautions: Do not allow to enter sewers/surface or ground water.
- Methods and material for containment and cleaning up:
  Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
  Use neutralizing agent.
  Dispose contaminated material as waste according to item 13.
  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:
  108-88-3 toluene 67 ppm
  78-83-1 butanol 150 ppm
  78-93-3 butanone 200 ppm
  67-63-0 propan-2-ol 400 ppm
  108-65-6 2-methoxy-1-methylethyl acetate 30 ppm
  2807-30-9 2-(propyloxy)ethanol 2.2 ppm
  112926-00-8 precipitated Silica (Silica-Amorphous) 18 mg/m³
  1333-86-4 Carbon black 9 mg/m³
  111-76-2 2-butoxyethanol 60 ppm
  1330-20-7 xylene 130 ppm
  100-41-4 ethylbenzene 33 ppm

· PAC-2:
  108-88-3 toluene 560 ppm
  78-83-1 butanol 1,300 ppm
  78-93-3 butanone 2,700* ppm
  67-63-0 propan-2-ol 2,000* ppm
  108-65-6 2-methoxy-1-methylethyl acetate 1,000 ppm
  2807-30-9 2-(propyloxy)ethanol 24 ppm
  112926-00-8 precipitated Silica (Silica-Amorphous) 200 mg/m³
  1333-86-4 Carbon black 99 mg/m³
  111-76-2 2-butoxyethanol 120 ppm
  1330-20-7 xylene 920* ppm
  100-41-4 ethylbenzene 1,100* ppm

· PAC-3:
  108-88-3 toluene 3,700* ppm

(Contd. on page 5)
Trade name: 39814 Satin Black Chip Guard

<table>
<thead>
<tr>
<th>Chemical</th>
<th>CAS Number</th>
<th>PEL ppm</th>
<th>REL mg/m³</th>
<th>TLV mg/m³</th>
</tr>
</thead>
<tbody>
<tr>
<td>78-83-1</td>
<td>78-93-3</td>
<td>8000*</td>
<td>4000*</td>
<td></td>
</tr>
<tr>
<td></td>
<td>67-63-0</td>
<td></td>
<td>12000**</td>
<td></td>
</tr>
<tr>
<td></td>
<td>108-65-6</td>
<td></td>
<td>5000*</td>
<td></td>
</tr>
<tr>
<td></td>
<td>2807-30-9</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>112926-00-8</td>
<td></td>
<td>140</td>
<td></td>
</tr>
<tr>
<td></td>
<td>1333-86-4</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>111-76-2</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>1330-20-7</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>100-41-4</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

7 Handling and storage

- **Handling:**
- No special measures required.
- **Precautions for safe handling** No special measures required.
- **Information about protection against explosions and fires:**
  - Keep ignition sources away - Do not smoke.
  - Protect against electrostatic charges.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
  - **Requirements to be met by storerooms and receptacles:** Store in a cool location.
  - **Information about storage in one common storage facility:** Not required.
  - **Further information about storage conditions:**
    - Keep receptacle tightly sealed.
    - Store in cool, dry conditions in well sealed receptacles.
- **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.

### 108-88-3 toluene

<table>
<thead>
<tr>
<th>Limit</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>PEL</td>
<td>Long-term: 200 ppm</td>
</tr>
<tr>
<td></td>
<td>Ceiling: 300; 500* ppm</td>
</tr>
<tr>
<td></td>
<td>*10-min peak per 8-hr shift</td>
</tr>
<tr>
<td>REL</td>
<td>Short-term: 560 mg/m³, 150 ppm</td>
</tr>
<tr>
<td></td>
<td>Long-term: 375 mg/m³, 100 ppm</td>
</tr>
<tr>
<td>TLV</td>
<td>Long-term: 75 mg/m³, 20 ppm</td>
</tr>
<tr>
<td></td>
<td>BEI</td>
</tr>
</tbody>
</table>

### 78-83-1 butanol

<table>
<thead>
<tr>
<th>Limit</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>PEL</td>
<td>Long-term: 300 mg/m³, 100 ppm</td>
</tr>
</tbody>
</table>
Trade name: 39814 Satin Black Chip Guard

<table>
<thead>
<tr>
<th></th>
<th>REL Long-term value: 150 mg/m³, 50 ppm</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>TLV Long-term value: 152 mg/m³, 50 ppm</td>
</tr>
</tbody>
</table>

**78-93-3 butanone**

<table>
<thead>
<tr>
<th></th>
<th>PEL Long-term value: 590 mg/m³, 200 ppm</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>REL Short-term value: 885 mg/m³, 300 ppm</td>
</tr>
<tr>
<td></td>
<td>Long-term value: 590 mg/m³, 200 ppm</td>
</tr>
<tr>
<td></td>
<td>TLV Short-term value: 885 mg/m³, 300 ppm</td>
</tr>
<tr>
<td></td>
<td>Long-term value: 590 mg/m³, 200 ppm</td>
</tr>
</tbody>
</table>

**67-63-0 propan-2-ol**

<table>
<thead>
<tr>
<th></th>
<th>PEL Long-term value: 980 mg/m³, 400 ppm</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>REL Short-term value: 1225 mg/m³, 500 ppm</td>
</tr>
<tr>
<td></td>
<td>Long-term value: 980 mg/m³, 400 ppm</td>
</tr>
<tr>
<td></td>
<td>TLV Short-term value: 984 mg/m³, 400 ppm</td>
</tr>
<tr>
<td></td>
<td>Long-term value: 492 mg/m³, 200 ppm</td>
</tr>
<tr>
<td></td>
<td>BEI</td>
</tr>
</tbody>
</table>

**108-65-6 2-methoxy-1-methylethyl acetate**

|          | WEEL Long-term value: 50 ppm              |

**112926-00-8 precipitated Silica (Silica-Amorphous)**

<table>
<thead>
<tr>
<th></th>
<th>PEL 20mppcf or 80mg/m³ %SiO2</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>REL Long-term value: 6 mg/m³</td>
</tr>
<tr>
<td></td>
<td>See Pocket Guide App. C</td>
</tr>
<tr>
<td></td>
<td>TLV TLV withdrawn</td>
</tr>
</tbody>
</table>

**Ingredients with biological limit values:**

**108-88-3 toluene**

<table>
<thead>
<tr>
<th></th>
<th>BEI 0.02 mg/L</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Medium: blood</td>
</tr>
<tr>
<td></td>
<td>Time: prior to last shift of workweek</td>
</tr>
<tr>
<td></td>
<td>Parameter: Toluene</td>
</tr>
<tr>
<td></td>
<td>0.03 mg/L</td>
</tr>
<tr>
<td></td>
<td>Medium: urine</td>
</tr>
<tr>
<td></td>
<td>Time: end of shift</td>
</tr>
<tr>
<td></td>
<td>Parameter: Toluene</td>
</tr>
<tr>
<td></td>
<td>0.3 mg/g creatinine</td>
</tr>
<tr>
<td></td>
<td>Medium: urine</td>
</tr>
<tr>
<td></td>
<td>Time: end of shift</td>
</tr>
<tr>
<td></td>
<td>Parameter: o-Cresol with hydrolysis (background)</td>
</tr>
</tbody>
</table>

**78-93-3 butanone**

<table>
<thead>
<tr>
<th></th>
<th>BEI 2 mg/L</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Medium: urine</td>
</tr>
<tr>
<td></td>
<td>Time: end of shift</td>
</tr>
<tr>
<td></td>
<td>Parameter: MEK</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.
  Store protective clothing separately.
  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.

• Protection of hands:
  Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.
  Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

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. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

• Penetration time of glove material
  The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.

• Eye protection:

Tightly sealed goggles

9 Physical and chemical properties

• Information on basic physical and chemical properties

  • General Information
    • Appearance:
      Form: Liquid
      Color: According to product specification
    • Odor: Characteristic
Trade name: 39814 Satin Black Chip Guard

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Odor threshold</td>
<td>Not determined.</td>
</tr>
<tr>
<td>pH-value</td>
<td>Not determined.</td>
</tr>
<tr>
<td>Change in condition</td>
<td></td>
</tr>
<tr>
<td>Melting point/Melting range</td>
<td>Undetermined.</td>
</tr>
<tr>
<td>Boiling point/Boiling range</td>
<td>79 °C</td>
</tr>
<tr>
<td>Flash point</td>
<td>-4 °C</td>
</tr>
<tr>
<td>Flammability (solid, gaseous)</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>Ignition temperature</td>
<td>265 °C</td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>Not determined.</td>
</tr>
<tr>
<td>Auto igniting</td>
<td>Product is not selfigniting.</td>
</tr>
<tr>
<td>Danger of explosion</td>
<td>In use, may form flammable/explosive vapour-air mixture.</td>
</tr>
<tr>
<td>Explosion limits</td>
<td></td>
</tr>
<tr>
<td>Lower</td>
<td>0.6 Vol %</td>
</tr>
<tr>
<td>Upper</td>
<td>7 Vol %</td>
</tr>
<tr>
<td>Vapor pressure at 20 °C</td>
<td>29 hPa</td>
</tr>
<tr>
<td>Density at 20 °C</td>
<td>0.89 g/cm³</td>
</tr>
<tr>
<td>Relative density</td>
<td>Not determined.</td>
</tr>
<tr>
<td>Vapor density</td>
<td>Not determined.</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>Not determined.</td>
</tr>
<tr>
<td>Solubility in / Miscibility with Water</td>
<td>Not miscible or difficult to mix.</td>
</tr>
<tr>
<td>Partition coefficient (n-octanol/water)</td>
<td>Not determined.</td>
</tr>
<tr>
<td>Viscosity</td>
<td></td>
</tr>
<tr>
<td>Dynamic</td>
<td>Not determined.</td>
</tr>
<tr>
<td>Kinematic</td>
<td>Not determined.</td>
</tr>
<tr>
<td>Solvent content</td>
<td></td>
</tr>
<tr>
<td>Organic solvents</td>
<td>75.5 %</td>
</tr>
<tr>
<td>VOC content</td>
<td>75.55 %</td>
</tr>
<tr>
<td>672.4 g/l / 5.61 lb/gl</td>
<td></td>
</tr>
<tr>
<td>Solids content</td>
<td>24.3 %</td>
</tr>
<tr>
<td>Other information</td>
<td>No further relevant information available.</td>
</tr>
</tbody>
</table>

10 Stability and reactivity

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reactivity</td>
<td>No further relevant information available.</td>
</tr>
<tr>
<td>Chemical stability</td>
<td></td>
</tr>
<tr>
<td>Thermal decomposition / conditions to be avoided</td>
<td>No decomposition if used according to specifications.</td>
</tr>
<tr>
<td>Possibility of hazardous reactions</td>
<td>No dangerous reactions known.</td>
</tr>
<tr>
<td>Conditions to avoid</td>
<td>No further relevant information available.</td>
</tr>
<tr>
<td>Incompatible materials</td>
<td>No further relevant information available.</td>
</tr>
</tbody>
</table>
11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**

<table>
<thead>
<tr>
<th>LD/LC50 values that are relevant for classification:</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Compound</th>
<th>Oral LD50</th>
<th>Dermal LD50</th>
<th>Inhalative LC50/4 h</th>
</tr>
</thead>
<tbody>
<tr>
<td>108-88-3 toluene</td>
<td>5,000 mg/kg (rat)</td>
<td>12,124 mg/kg (rabbit)</td>
<td>5,320 mg/l (mouse)</td>
</tr>
<tr>
<td>64742-88-7 Solvent naphtha (petroleum), medium aliph.</td>
<td>&gt;6,500 mg/kg (rat)</td>
<td>&gt;3,000 mg/kg (rabbit)</td>
<td>&gt;14 mg/l (rat)</td>
</tr>
</tbody>
</table>

- **Primary irritant effect:**
  - **on the skin:** Irritant to skin and mucous membranes
  - **on the eye:** Strong irritant with the danger of severe eye injury.
- **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**

<table>
<thead>
<tr>
<th>IARC (International Agency for Research on Cancer)</th>
</tr>
</thead>
<tbody>
<tr>
<td>108-88-3 toluene</td>
</tr>
<tr>
<td>67-63-0 propan-2-ol</td>
</tr>
<tr>
<td>1333-86-4 Carbon black</td>
</tr>
<tr>
<td>111-76-2 2-butoxyethanol</td>
</tr>
<tr>
<td>1330-20-7 xylene</td>
</tr>
<tr>
<td>100-41-4 ethylbenzene</td>
</tr>
</tbody>
</table>

- **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.
Trade name: 39814 Satin Black Chip Guard

- Additional ecological information:
  - General notes:
    - Do not allow product to reach ground water, water course or sewage system, even in small quantities.
    - Must not reach bodies of water or drainage ditch undiluted or unneutralized.
    - Danger to drinking water if even extremely small quantities leak into the ground.
  - 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 official regulations.

14 Transport information

- UN-Number
  - DOT, ADR, IMDG, IATA: UN1263

- UN proper shipping name
  - DOT: Paint
  - ADR: 1263 Paint, special provision 640D
  - IMDG, IATA: PAINT

- Transport hazard class(es)
  - DOT
    - Class: 3 Flammable liquids
    - Label: 3
  - ADR, IMDG, IATA
    - Class: 3 Flammable liquids
    - Label: 3

- Packing group
  - DOT, ADR, IMDG, IATA: II

- Environmental hazards:
  - Marine pollutant: No
### Trade name: 39814 Satin Black Chip Guard

- **Special precautions for user**: Warning: Flammable liquids
- **EMS Number**: F-E,S-E
- **Stowage Category**: B

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

- **Transport/Additional information:**
  - **DOT**
    - **Quantity limitations**: On passenger aircraft/rail: 5 L
      On cargo aircraft only: 60 L
  - **ADR**
    - **Excepted quantities (EQ)**: Code: E2
      Maximum net quantity per inner packaging: 30 ml
      Maximum net quantity per outer packaging: 500 ml
  - **IMDG**
    - **Limited quantities (LQ)**: 5L
    - **Excepted quantities (EQ)**: Code: E2
      Maximum net quantity per inner packaging: 30 ml
      Maximum net quantity per outer packaging: 500 ml

- **UN "Model Regulation"**: UN 1263 PAINT, SPECIAL PROVISION 640D, 3, II

### 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)**:
    | UN Number | Chemical Name |
    |-----------|---------------|
    | 108-88-3  | toluene       |
    |          | Acrylic Resin |
    | 78-93-3  | butanone      |
    | 67-63-0  | propan-2-ol   |
    | 111-76-2 | 2-butoxyethanol|
    | 1330-20-7| xylene        |
    | 100-41-4 | ethylbenzene  |

- **TSCA (Toxic Substances Control Act)**:
<table>
<thead>
<tr>
<th>UN Number</th>
<th>Chemical Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>108-88-3</td>
<td>toluene</td>
</tr>
<tr>
<td>64742-88-7</td>
<td>Solvent naphtha (petroleum), medium aliph.</td>
</tr>
<tr>
<td>78-83-1</td>
<td>butanol</td>
</tr>
<tr>
<td>78-93-3</td>
<td>butanone</td>
</tr>
<tr>
<td>67-63-0</td>
<td>propan-2-ol</td>
</tr>
<tr>
<td>9004-36-8</td>
<td>Cellulose Acetate Butyrate</td>
</tr>
<tr>
<td>108-65-6</td>
<td>2-methoxy-1-methylethyl acetate</td>
</tr>
</tbody>
</table>
Trade name: 39814 Satin Black Chip Guard

| 2807-30-9 | 2-(propyloxy)ethanol |
| 1333-86-4 | Carbon black |
| 111-76-2 | 2-butoxyethanol |
| 1330-20-7 | xylene |
| 100-41-4 | ethylbenzene |
| 9038-95-3 | OXIRANE, ME, POLYMER |

- **TSCA new (21st Century Act) (Substances not listed)**
  - 112926-00-8 precipitated Silica (Silica-Amorphous)

- **Proposition 65**
  - **Chemicals known to cause cancer:**
    - 1333-86-4 Carbon black
    - 1330-20-7 xylene
    - 100-41-4 ethylbenzene
  - **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)**
    - 108-88-3 toluene $\text{II}$
    - 78-93-3 butanone $\text{I}$
    - 111-76-2 2-butoxyethanol $\text{NL}$
    - 1330-20-7 xylene $\text{I}$
    - 100-41-4 ethylbenzene $\text{D}$
  - **TLV (Threshold Limit Value established by ACGIH)**
    - 108-88-3 toluene $\text{A4}$
    - 67-63-0 propan-2-ol $\text{A4}$
    - 1333-86-4 Carbon black $\text{A4}$
    - 111-76-2 2-butoxyethanol $\text{A3}$
    - 1330-20-7 xylene $\text{A4}$
    - 100-41-4 ethylbenzene $\text{A3}$
  - **NIOSH-Ca (National Institute for Occupational Safety and Health)**
    - 1333-86-4 Carbon black

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

![GHS02](image1) ![GHS05](image2) ![GHS07](image3) ![GHS08](image4)

(Contd. on page 13)
Trade name: 39814 Satin Black Chip Guard

· Signal word Danger

· Hazard-determining components of labeling:
toluene
butanol
Solvent naphtha (petroleum), medium aliph.
butanone

· Hazard statements
H225 Highly flammable liquid and vapor.
H315 Causes skin irritation.
H318 Causes serious eye damage.
H361 Suspected of damaging fertility or the unborn child.
H336 May cause drowsiness or dizziness.
H372 Causes damage to the central nervous system through prolonged or repeated exposure.

· Precautionary statements
P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood.
P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P240 Ground/bond container and receiving equipment.
P241 Use explosion-proof electrical/ventilating/lighting/equipment.
P242 Use only non-sparking tools.
P243 Take precautionary measures against static discharge.
P260 Do not breathe dust/fume/gas/mist/vapors/spray.
P264 Wash thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P271 Use only outdoors or in a well-ventilated area.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P303+P361+P353 If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 Immediately call a poison center/doctor.
P308+P313 IF exposed or concerned: Get medical advice/attention.
P321 Specific treatment (see on this label).
P314 Get medical advice/attention if you feel unwell.
P362+P364 Take off contaminated clothing and wash it before reuse.
P332+P313 If skin irritation occurs: Get medical advice/attention.
P370+P378 In case of fire: Use for extinction: CO2, powder or water spray.
P403+P233 Store in a well-ventilated place. Keep container tightly closed.
P403+P235 Store in a well-ventilated place. Keep cool.
P405 Store locked up.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

· 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: Environment protection department.
· Contact: Rita Joiner (rjoiner@semproducts.com)
Trade name: 39814 Satin Black Chip Guard

· Date of preparation / last revision 03/14/2018 / 7
· Abbreviations and acronyms:
  RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
  ICAO: International Civil Aviation Organization
  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)
  VOC: Volatile Organic Compounds (USA, EU)
  LC50: Lethal concentration, 50 percent
  LD50: Lethal dose, 50 percent
  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. 2: Flammable liquids – Category 2
  Skin Irrit. 2: Skin corrosion/irritation – Category 2
  Eye Dam. 1: Serious eye damage/eye irritation – Category 1
  Repr. 2: Reproductive toxicity – Category 2
  STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
  STOT RE 1: Specific target organ toxicity (repeated exposure) – Category 1
· * Data compared to the previous version altered.