SECTION 1: Identification of the substance/mixture and of the company/undertaking

- **1.1 Product identifier**
  - Trade name: Touch 'n Seal Ignition Barrier Coating

- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
  No further relevant information available.

- **Application of the substance / the mixture Coating**

- **1.3 Details of the supplier of the Safety Data Sheet**
  - **Manufacturer/Supplier:** Convenience Products, division of Clayton Corp.
    866 Horan Drive
    Fenton, MO 63026-2416
    Phone: 636-349-5855

- **1.4 Emergency telephone number:**
  - ChemTel Inc.
    - (800)255-3924, +1 (813)248-0585

SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
  - **Classification according to Regulation (EC) No 1272/2008**
    The product is not classified as hazardous according to the Globally Harmonized System (GHS).
    The product is not classified as hazardous according to OSHA GHS regulations within the United States.
    The product is not classified as hazardous according to the CLP regulation.

  - **Classification according to Directive 67/548/EEC or Directive 1999/45/EC** Not applicable.
  - **Information concerning particular hazards for human and environment:**
    Non-classification as a carcinogen is based on non-inhalable form of product. IARC listings for titanium dioxide note that substance must be respirable.
    The product does not have to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.
  - **Classification system:**
    The classification is according to the latest editions of the EU-lists, and extended by company and literature data.
    The classification is in accordance with the latest editions of international substances lists, and is supplemented by information from technical literature and by information provided by the company.

- **2.2 Label elements**
  - **Labelling according to Regulation (EC) No 1272/2008**
    This product does not have a classification according to the CLP regulation.
    The product is not classified as hazardous according to OSHA GHS regulations within the United States.
  - **Hazard pictograms** Not Regulated
  - **Signal word** Not Regulated
  - **Hazard-determining components of labelling:** None.
  - **Hazard statements** Not Regulated
  - **Additional information:**
    Safety data sheet available on request.

(Contd. on page 2)
Safety Data Sheet
according to 1907/2006/EC (REACH), 1272/2008/EC (CLP), and
OSHA GHS

Printing date 02.12.2014
Revision: 02.12.2014

Trade name: Touch ‘n Seal Ignition Barrier Coating

- Hazard description:
  - WHMIS-symbols: Not hazardous under WHMIS.
  - NFPA ratings (scale 0 - 4)

  - Health = 1
  - Fire = 0
  - Reactivity = 0

- HMIS-ratings (scale 0 - 4)

  - HEALTH Health = *1
  - FIRE Fire = 0
  - REACTIVITY Reactivity = 0

- HMIS Long Term Health Hazard Substances
  None of the ingredients are listed.

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

SECTION 3: Composition/information on ingredients

- 3.2 Mixtures
  - Description: Mixture of substances listed below with nonhazardous additions.
  - Dangerous components:
    None in reportable quantities.

| CAS: 108-78-1 | EINECS: 203-615-4 | melamine                      | substance with a Community workplace exposure limit | 10-25% |
| CAS: 115-77-5 | EINECS: 204-104-9 | pentaerythritol               | substance with a Community workplace exposure limit | 10-25% |
| CAS: 13463-67-7 | EINECS: 236-675-5 | titanium dioxide              | substance with a Community workplace exposure limit | 10-25% |

- Additional information:
  Non-classification as a carcinogen is based on non-inhalable form of product. IARC listings for titanium dioxide note that substance must be respirable.
  For the listed ingredients, the identity and exact percentages are being withheld as a trade secret.
  For the wording of the listed risk phrases refer to section 16.

SECTION 4: First aid measures

- 4.1 Description of first aid measures
  - General information: No special measures required.
  - After inhalation:
    Supply fresh air; consult doctor in case of complaints.
Trade name: Touch 'n Seal Ignition Barrier Coating

Provide oxygen treatment if affected person has difficulty breathing.
Respiration of particulates is unlikely during normal usage.

- **After skin contact:**
  Immediately wash with water and soap and rinse thoroughly.
  If skin irritation is experienced, consult a doctor.
  Launder contaminated clothing before re-use.

- **After eye contact:**
  Remove contact lenses if worn.
  Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

- **After swallowing:**
  Rinse out mouth and then drink plenty of water.
  Do not induce vomiting; call for medical help immediately.

- **4.2 Most important symptoms and effects, both acute and delayed**
  - Headache
  - Dizziness
  - Nausea
  - Slight irritant effect on eyes.
  - Slight irritant effect on skin and mucous membranes.
  - Gastric or intestinal disorders when ingested.

- **Hazards** No further relevant information available.

- **4.3 Indication of any immediate medical attention and special treatment needed**
  No further relevant information available.

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**SECTION 5: Firefighting measures**

- **5.1 Extinguishing media**
  - **Suitable extinguishing agents:** Water mist, dry powder, foam, CO2.
  - **For safety reasons unsuitable extinguishing agents:** None.

- **5.2 Special hazards arising from the substance or mixture**
  Formation of toxic gases is possible during heating or in case of fire.

- **5.3 Advice for firefighters**
  - **Protective equipment:**
    Wear self-contained respiratory protective device.
    Wear fully protective suit.

- **Additional information** No further relevant information available.

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**SECTION 6: Accidental release measures**

- **6.1 Personal precautions, protective equipment and emergency procedures**
  Use respiratory protective device against the effects of fumes/dust/aerosol.
  Ensure adequate ventilation
  Wear protective equipment. Keep unprotected persons away.

- **6.2 Environmental precautions:** Do not allow to enter sewers/ surface or ground water.

- **6.3 Methods and material for containment and cleaning up:**
  Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
  Pick up mechanically.
 SECTION 7: Handling and storage

- **7.1 Precautions for safe handling**
  - Store in cool, dry place in tightly closed receptacles.
  - Use only in well-ventilated areas.
  - Wash hands before breaks and at the end of work.

- **Information about fire - and explosion protection:** No special measures required.

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

  - **Storage:**
  - **Requirements to be met by storerooms and receptacles:**
    - Do not allow product to freeze.
    - Avoid storage near extreme heat, ignition sources or open flame.
  
  - **Information about storage in one common storage facility:** Store away from foodstuffs.

- **Further information about storage conditions:** Protect from frost.

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

 SECTION 8: Exposure controls/personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.

- **8.1 Control parameters**

  - **Ingredients with limit values that require monitoring at the workplace:**

    | Code | Ingredient          | Limit value(s)                  |
    |------|---------------------|---------------------------------|
    | 108-78-1 | melamine          | Long-term value: 10 * 5** mg/m³ |
    |       |                    | *inhalable **respirable fraction |
    | 115-77-5 | pentaerythritol    | Long-term value: 10 mg/m³       |
    | PEL (USA) |                  | Long-term value: 15 * 5** mg/m³ |
    | REL (USA) |                  | *total dust **respirable fraction |
    | TLV (USA) |                  | Long-term value: 10 mg/m³       |
    | EL (Canada) |                | Long-term value: 10 * 3** mg/m³ |
    | EV (Canada) |                | *total dust, **respirable fraction |

(Contd. on page 5)
13463-67-7 titanium dioxide

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>PEL (USA)</td>
<td>Long-term value: 15 mg/m³</td>
</tr>
<tr>
<td></td>
<td>*total dust</td>
</tr>
<tr>
<td>REL (USA)</td>
<td>See Pocket Guide App. A</td>
</tr>
<tr>
<td>TLV (USA)</td>
<td>Long-term value: 10 mg/m³</td>
</tr>
<tr>
<td></td>
<td>withdrawn from NIC</td>
</tr>
<tr>
<td>EL (Canada)</td>
<td>Long-term value: 10 mg/m³</td>
</tr>
<tr>
<td></td>
<td>*total dust;**respirable fraction; IARC 2B</td>
</tr>
<tr>
<td>EV (Canada)</td>
<td>Long-term value: 10 mg/m³</td>
</tr>
<tr>
<td></td>
<td>total dust</td>
</tr>
</tbody>
</table>

- **DNELs** No further relevant information available.
- **PNECs** No further relevant information available.
- **Additional information:** The lists valid during the making were used as basis.

8.2 Exposure controls

- **Personal protective equipment:**
  - **General protective and hygienic measures:**
    The usual precautionary measures are to be adhered to when handling chemicals.
    Keep away from foodstuffs, beverages and feed.
    Wash hands before breaks and at the end of work.
    Do not inhale gases / fumes / aerosols.
    Avoid close or long term contact with the skin.
    Avoid contact with the eyes.
    Use only in well ventilated areas.
  - **Respiratory protection:**
    Not required under normal conditions of use.
    Use suitable respiratory protective device in case of insufficient ventilation.
    Use suitable respiratory protective device when aerosol or mist is formed.
    For spills, respiratory protection may be advisable.
  - **Protection of hands:**
    
    ![Protective gloves]

    Protective gloves
    
    Wear protective gloves to handle contents of damaged or leaking units.
    The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
    Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.
  - **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 through time has to be found out by the manufacturer of the protective gloves and has to be observed.
### SECTION 9: Physical and chemical properties

- **9.1 Information on basic physical and chemical properties**
  - **General Information**
  - **Appearance:**
    - Form: Liquid
    - Colour: White, opaque
    - Odour: Nearly odourless
    - Odour threshold: Not determined.
  - **pH-value:** 7 - 8
  - **Change in condition**
    - Melting point/Melting range: 32 °F / 0 °C
    - Boiling point/Boiling range: 212 °F / 100 °C
  - **Flash point:** Not applicable.
  - **Flammability (solid, gaseous):** Not applicable.
  - **Auto/Self-ignition temperature:** Not determined.
  - ** Decomposition temperature:** Not determined.
  - **Self-igniting:** Product is not self-igniting.
  - **Danger of explosion:** Product does not present an explosion hazard.
  - **Explosion limits:**
    - Lower: Not determined.
    - Upper: Not determined.
  - **Vapour pressure:** Not determined.
  - **Density at 20 °C:** 1.25 g/cm³
  - **Relative density**
  - **Vapour density**
  - **Evaporation rate**
  - ** Solubility in / Miscibility with water:** Fully miscible.
Safety Data Sheet
according to 1907/2006/EC (REACH), 1272/2008/EC (CLP), and
OSHA GHS

Trade name: Touch ‘n Seal Ignition Barrier Coating

- Partition coefficient (n-octanol/water): Not determined.
- Viscosity:
  - Dynamic: Not determined.
  - Kinematic: Not determined.
- Solvent content:
  - VOC (US EPA Method 24) 18 g/L
- 9.2 Other information  No further relevant information available.

SECTION 10: Stability and reactivity

- 10.1 Reactivity
- 10.2 Chemical stability
- Thermal decomposition / conditions to be avoided:
  No decomposition if used and stored according to specifications.
- 10.3 Possibility of hazardous reactions
  Reacts with strong acids and oxidising agents.
  Reacts with strong alkali.
- 10.4 Conditions to avoid  Excessive heat.
- 10.5 Incompatible materials: No further relevant information available.
- 10.6 Hazardous decomposition products:
  - Toxic metal oxide smoke
  - Nitrogen oxides
  - Phosphorus oxides (e.g. P2O5)

SECTION 11: Toxicological information

- 11.1 Information on toxicological effects
- Acute toxicity:
  - Primary irritant effect:
    - on the skin: Slight irritant effect on skin and mucous membranes.
    - on the eye: Slight irritant effect on eyes.
    - Sensitisation: No sensitising effects known.
  - Additional toxicological information:
    Inhalation may cause irritation of the mucous membranes, coughing and dyspnoea.
    The product is not subject to classification according to the calculation method of the General EU
    Classification Guidelines for Preparations as issued in the latest version.
    When used and handled according to specifications, the product does not have any harmful effects to our
    experience and the information provided to us.
  - CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction):
    Contains known or suspect carcinogens when inhaled. Product is in non-inhalable form and is non-
    classifiable as a carcinogen.

(Contd. of page 8)
 SECTION 12: Ecological information

- 12.1 Toxicity
  - Aquatic toxicity: No further relevant information available.
  - 12.2 Persistence and degradability: No further relevant information available.
  - 12.3 Bioaccumulative potential: No further relevant information available.
  - 12.4 Mobility in soil: No further relevant information available.
- Additional ecological information:
  - General notes:
    Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water
    Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
  - 12.5 Results of PBT and vPvB assessment
    - PBT: Not applicable.
    - vPvB: Not applicable.
- 12.6 Other adverse effects: No further relevant information available.

 SECTION 13: Disposal considerations

- 13.1 Waste treatment methods
  - Recommendation:
    Smaller quantities can be disposed of with household waste.
    Can be disposed of with household garbage after solidification following consultation with the waste disposal facility operator and the pertinent authorities and adhering to the necessary technical regulations.
    The user of this material has the responsibility to dispose of unused material, residues and containers in compliance with all relevant local, state and federal laws and regulations regarding treatment, storage and disposal for hazardous and nonhazardous wastes. Residual materials should be treated as hazardous.
  - Uncleaned packaging:
    - Recommendation: Disposal must be made according to official regulations.
    - Recommended cleansing agents: Water, if necessary together with cleansing agents.

 SECTION 14: Transport information

- 14.1 UN-Number
- DOT, ADR, ADN, IMDG, IATA: Not Regulated
- 14.2 UN proper shipping name
- DOT, ADR, ADN, IMDG, IATA: Not Regulated
- 14.3 Transport hazard class(es)
- DOT, ADR, ADN, IMDG, IATA: Not Regulated
- 14.4 Packing group
- DOT, ADR, IMDG, IATA: Not Regulated
- 14.5 Environmental hazards:
  - Marine pollutant: No
### SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
  - **United States (USA)**
  - **SARA**
    - **Section 355 (extremely hazardous substances):**
      None of the ingredients are listed.
    - **Section 313 (Specific toxic chemical listings):**
      None of the ingredients are listed.
  - **TSCA (Toxic Substances Control Act):**
    All ingredients are listed.
  - **Proposition 65 (California):**
    - **Chemicals known to cause cancer:**
      Reference to Titanium Dioxide is based on unbound respirable particles and is not generally applicable to product as supplied.
      - 13463-67-7 titanium dioxide
    - **Chemicals known to cause reproductive toxicity for females:**
      None of the ingredients are listed.
    - **Chemicals known to cause reproductive toxicity for males:**
      None of the ingredients are listed.
    - **Chemicals known to cause developmental toxicity:**
      None of the ingredients are listed.
  - **Carcinogenic Categories**
    - **EPA (Environmental Protection Agency)**
      None of the ingredients are listed.
    - **IARC (International Agency for Research on Cancer)**
      | Substance               | Code |
      |-------------------------|------|
      | melamine                | 3    |
      | 13463-67-7 titanium dioxide | 2B   |
    - **TLV (Threshold Limit Value established by ACGIH)**
      | Substance               | Code |
      |-------------------------|------|
      | titanium dioxide        | A4   |
    - **NIOSH-Ca (National Institute for Occupational Safety and Health)**
      | Substance               |      |
      |-------------------------|------|
      | 13463-67-7 titanium dioxide |     |
    - **Canada**
      - **Canadian Domestic Substances List (DSL)**
        All ingredients are listed.

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Safety Data Sheet
according to 1907/2006/EC (REACH), 1272/2008/EC (CLP), and
OSHA GHS

Trade name: Touch ‘n Seal Ignition Barrier Coating

- Canadian Ingredient Disclosure list (limit 0.1%)
  None of the ingredients are listed.

- Canadian Ingredient Disclosure list (limit 1%)
  108-78-1 melamine

- Other regulations, limitations and prohibitive regulations
  This product has been classified in accordance with hazard criteria of the Controlled Products Regulations and the SDS contains all the information required by the Controlled Products Regulations.

- Substances of very high concern (SVHC) according to REACH, Article 57
  None of the ingredients are listed.

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

SECTION 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.

- 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
  GHS: Globally Harmonised System of Classification and Labelling of Chemicals
  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)
  WHMIS: Workplace Hazardous Materials Information System (Canada)
  DNEL: Derived No-Effect Level (REACH)
  PNEC: Predicted No-Effect Concentration (REACH)

- Sources
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