1. Identification of the substance/mixture and of the company/undertaking

Product name: Steel and Galvanized Conversion Coating Step B

Product code: 5718S

Intended use: Solvent for professional use

Supplier: Axalta Coating Systems Canada Company
408 Fairall Street
CA Ajax, ON L1S 1R6

Manufacturer: Axalta Coating Systems, LLC
Applied Corporate Center
50 Applied Bank Boulevard, Suite 300
US Glen Mills, PA 19342

Telephone:
- Product information: (800) 668-6945
- Medical emergency: (855) 274-5698
- Transportation emergency: (800) 424-9300 (CHEMTREC)

Chemical Family: No data available.

2. Hazards identification

This preparation is hazardous per the following GHS criteria

GHS-Classification

- Skin corrosion/irritation: Category 1B
- Skin sensitisation: Category 1

Endpoints which are “not classified”, cannot be classified or are not applicable are not shown.

GHS-Labelling

Hazard symbols

Signal word: Danger

Hazard statements

Causes severe skin burns and eye damage.
May cause an allergic skin reaction.

Precautionary statements

Do not breathe dust or mist.
Contaminated work clothing should not be allowed out of the workplace.
Wear protective gloves/protective clothing/eye protection/face protection.
IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
IF INHALED: Remove person to fresh air and keep comfortable for breathing.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Immediately call a POISON CENTER/doctor.
Specific treatment (see supplemental first aid instructions on this label).
If skin irritation or rash occurs: Get medical advice/attention.
Store locked up.
Dispose of contents/container in accordance with local regulations.
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.

**Other hazards which do not result in classification**
Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.

**The following percentage of the mixture consists of ingredient(s) with unknown acute toxicity:**
0 %

### 3. Composition/information on ingredients
mixture of solvents as well as water

**Components**

<table>
<thead>
<tr>
<th>CAS-No.</th>
<th>Chemical name</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>7664-38-2</td>
<td>Phosphoric acid</td>
<td>5 - 10%</td>
</tr>
<tr>
<td>1314-13-2</td>
<td>Zinc oxide</td>
<td>1 - 5%</td>
</tr>
<tr>
<td>10381-36-9</td>
<td>Nickel phosphate</td>
<td>0.5%</td>
</tr>
</tbody>
</table>

Actual concentration ranges withheld as a trade secret.
Non-regulated ingredients 80 - 90%

### 4. First aid measures

**Eye contact**
Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

**Skin contact**
Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

**Inhalation**
Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

**Ingestion**
If swallowed, seek medical advice immediately and show this safety data sheet (SDS) or product label. Do NOT induce vomiting. Keep at rest.

**Most Important Symptoms/effects, acute and delayed**

**Inhalation**
May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

**Ingestion**
May result in gastrointestinal distress.

**Skin or eye contact**
May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.
Indication of Immediate medical attention and special treatment needed if necessary
No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media
Not applicable. The product itself does not burn.

Extinguishing media which shall not be used for safety reasons
High volume water jet

Hazardous combustion products
CO, CO2, smoke, and oxides of any heavy metals that are reported in “Composition, Information on Ingredients” section.

Fire and Explosion Hazards
No data available

Special Protective Equipment and Fire Fighting Procedures
Full protective flameproof clothing should be worn as appropriate. Wear self-contained breathing apparatus for firefighting if necessary. In the event of fire, cool tanks with water spray. Do not allow run-off from fire fighting to enter public sewer systems or public waterways.

6. Accidental release measures

Procedures for cleaning up spills or leaks
Ventilate area. Prevent skin and eye contact and breathing of vapor. Wear a properly fitted air-purifying respirator with organic vapor cartridges (NIOSH approved TC-23C), eye protection, gloves and protective clothing. Confine, remove with inert absorbent, and dispose of properly.

Environmental precautions
Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

7. Handling and storage

Precautions for safe handling
Observe label precautions. Close container after each use. Do not transfer contents to bottles or unlabeled containers. Wash thoroughly after handling and before eating or smoking. Do not freeze. If material is a coating: do not sand, flame cut, braze or weld dry coating without a NIOSH approved air purifying respirator with particulate filters or appropriate ventilation, and gloves. Combustible dust clouds may be created where operations produce fine material (dust). Avoid formation of significant deposits of material as they may become airborne and form combustible dust clouds. Build up of fine material should be cleaned using gentle sweeping or vacuuming in accordance with best practices. Cleaning methods (e.g., compressed air) which can generate potentially combustible dust clouds should not be used.

Advice on protection against fire and explosion
Solvent vapours are heavier than air and may spread along floors. Vapors may form explosive mixtures with air and will burn when an ignition source is present. Always keep in containers of same material as the original one. Never use pressure to empty container: container is not a pressure vessel. The accumulation of contaminated rags may result in spontaneous combustion. Good housekeeping standards and regular safe removal of waste materials will minimize the risks of spontaneous combustion and other fire hazards.

Storage

Requirements for storage areas and containers
Observe label precautions. Store in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Advice on common storage
Store separately from oxidizing agents and strongly alkaline and strongly acidic materials.

8. Exposure controls/personal protection

Engineering controls and work practices
Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

National occupational exposure limits

<table>
<thead>
<tr>
<th>CAS-No.</th>
<th>Chemical name</th>
<th>Source</th>
<th>Time</th>
<th>Type</th>
<th>Value</th>
<th>Note</th>
</tr>
</thead>
<tbody>
<tr>
<td>7664-38-2</td>
<td>Phosphoric acid</td>
<td>ACGIH 15 min</td>
<td>STEL</td>
<td>3 mg/m³</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>ACGIH 8 hr</td>
<td>TWA</td>
<td>1 mg/m³</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>OSHA 8 hr</td>
<td>TWA</td>
<td>1 mg/m³</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1314-13-2</td>
<td>Zinc oxide</td>
<td>ACGIH 15 min</td>
<td>STEL</td>
<td>10 mg/m³</td>
<td>Respirable Dust</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>ACGIH 8 hr</td>
<td>TWA</td>
<td>2 mg/m³</td>
<td>Respirable Dust</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>OSHA 8 hr</td>
<td>TWA</td>
<td>15 mg/m³</td>
<td>Total Dust</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>OSHA 8 hr</td>
<td>TWA</td>
<td>5 mg/m³</td>
<td>Respirable Dust</td>
<td></td>
</tr>
<tr>
<td>10381-36-9</td>
<td>Nickel phosphate</td>
<td>ACGIH 8 hr</td>
<td>TWA</td>
<td>0.2 mg/m³</td>
<td>Ni</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>OSHA 8 hr</td>
<td>TWA</td>
<td>1 mg/m³</td>
<td>Ni</td>
<td></td>
</tr>
</tbody>
</table>

Glossary

CEIL  Ceiling exposure limit
STEL  Short term exposure limit
TWA  Time weighted average
TWAE  Time-Weighted Average

Protective equipment
Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection
Do not breathe vapors or mists. Wear a properly fitted air-purifying respirator with organic vapor cartridges (NIOSH approved TC-23C) and particulate filter (NIOSH TC-84A) during application and until all vapors and spray mists are exhausted. In confined spaces, or in situations where continuous spray operations are typical, or if proper air-purifying respirator fit is not possible, wear a positive pressure, supplied-air respirator (NIOSH TC-19C). In all cases, follow respirator manufacturer’s directions for respirator use. Do not permit anyone without protection in the painting area.

Eye protection
Desirable in all industrial situations. Goggles are preferred to prevent eye irritation. If safety glasses are substituted, include splash guard or side shields.

Skin and body protection
Neoprene gloves and coveralls are recommended.

Hygiene measures
Wash skin thoroughly with soap and water or use recognized skin cleanser. Do NOT use solvents or thinners.

Environmental exposure controls
Do not let product enter drains.
9. Physical and chemical properties

Appearance

Form: liquid  Colour: clear

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flash point</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>Lower Explosive Limit</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>Upper Explosive Limit</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>Slower than Ether</td>
</tr>
<tr>
<td>Vapor pressure of principal solvent</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>Solubility of Solvent In Water</td>
<td>appreciable</td>
</tr>
<tr>
<td>Vapor density of principal solvent (Air = 1)</td>
<td>0.6</td>
</tr>
<tr>
<td>Approx. Boiling Range</td>
<td>100 °C</td>
</tr>
<tr>
<td>Approx. Freezing Range</td>
<td>21 °C</td>
</tr>
<tr>
<td>Gallon Weight (lbs/gal)</td>
<td>8.85</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>1.06</td>
</tr>
<tr>
<td>Percent Volatile By Volume</td>
<td>95.47%</td>
</tr>
<tr>
<td>Percent Volatile By Weight</td>
<td>89.75%</td>
</tr>
<tr>
<td>Percent Solids By Volume</td>
<td>4.53%</td>
</tr>
<tr>
<td>Percent Solids By Weight</td>
<td>10.25%</td>
</tr>
<tr>
<td>pH (waterborne systems only)</td>
<td>No data available.</td>
</tr>
<tr>
<td>Partition coefficient: n-octanol/water</td>
<td>No data available</td>
</tr>
<tr>
<td>Ignition temperature</td>
<td>Not applicable. DIN 51794</td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>Not applicable. ISO 2431-1993</td>
</tr>
<tr>
<td>Viscosity (23 °C)</td>
<td>Not applicable.</td>
</tr>
</tbody>
</table>

Does not sustain combustion.

10. Stability and reactivity

Stability

Stable

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

None reasonably foreseeable.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

Hazardous Polymerization

Will not occur.

Sensitivity to Static Discharge

Not applicable
11. Toxicological information

Information on likely routes of exposure

Inhalation
May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion
May result in gastrointestinal distress.

Skin or eye contact
May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:

Acute oral toxicity
not hazardous

Acute dermal toxicity
not hazardous

Acute inhalation toxicity
not hazardous

% of unknown composition: 0 %

Skin corrosion/irritation
Phosphoric acid  Category 1B

Serious eye damage/eye irritation
Not classified according to GHS criteria

Respiratory sensitisation
Not classified according to GHS criteria

Skin sensitisation
Nickel phosphate  Category 1

Germ cell mutagenicity
Not classified according to GHS criteria

Carcinogenicity
Not classified according to GHS criteria

Toxicity for reproduction
Not classified according to GHS criteria

Target Organ Systemic Toxicant - Single exposure
Not classified according to GHS criteria
Target Organ Systemic Toxicant - Repeated exposure
Not classified according to GHS criteria

Aspiration toxicity
Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE), etc.)
No information available.

Symptoms related to the physical, chemical and toxicological characteristics
No information available.

12. Ecological information

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

13. Disposal considerations

Provincial Waste Classification
Check appropriate provincial and local waste disposal regulations for proper classifications.

Waste Disposal Method
Do not allow material to contaminate ground water systems. Incinerate or otherwise dispose of waste material in accordance with Federal, State, Provincial, and local requirements. Do not incinerate in closed containers.

14. Transport information

International transport regulations

IMDG (Sea transport)
UN number: 3082
Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Zinc oxide)
Hazard Class: 9
Subsidiary Hazard Class: Not applicable.
Packing group: III
Marine Pollutant: yes [zinc oxide]

ICAO/IATA (Air transport)
UN number: 3082
Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Zinc oxide)
Hazard Class: 9
Subsidiary Hazard Class: Not applicable.
Packing group: III

TDG
UN number: 3082
Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Zinc oxide)
Hazard Class: 9
Subsidiary Hazard Class: Not applicable.
Packing group: III
Matters needing attention for transportation
Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

TSCA Status
In compliance with TSCA Inventory requirements for commercial purposes.

DSL Status
All components of the mixture are listed on the DSL.

Photochemical Reactivity
Non-photochemically reactive

Regulatory information

<table>
<thead>
<tr>
<th>CAS #</th>
<th>Ingredient</th>
<th>EPCRA</th>
<th>302</th>
<th>TPQ</th>
<th>RQ</th>
<th>311/312</th>
<th>313</th>
<th>RQ(lbs)</th>
<th>HAP</th>
</tr>
</thead>
<tbody>
<tr>
<td>7664-38-2</td>
<td>Phosphoric acid</td>
<td>N</td>
<td>NR</td>
<td>NR</td>
<td>N</td>
<td>N</td>
<td>N</td>
<td>5,000</td>
<td>N</td>
</tr>
<tr>
<td>1314-13-2</td>
<td>Zinc oxide</td>
<td>N</td>
<td>NR</td>
<td>NR</td>
<td>N</td>
<td>A,C,F,N,R</td>
<td>Y</td>
<td>1,000</td>
<td>N</td>
</tr>
<tr>
<td>10381-36-9</td>
<td>Nickel phosphate</td>
<td>N</td>
<td>NR</td>
<td>NR</td>
<td>N</td>
<td>A,C,F,N,R</td>
<td>Y</td>
<td>NR</td>
<td>Y</td>
</tr>
</tbody>
</table>

Key:
EPCRA Emergency Planning and Community Right-to-know Act (aka Title III, SARA)
302 Extremely hazardous substances
311/312 Categories
F = Fire Hazard A = Acute Hazard
R = Reactivity Hazard C = Chronic Hazard
P = Pressure Related Hazard
313 Information Section 313 Supplier Notification - The chemicals listed above with a ‘Y’ in the 313 column are subject to reporting requirements of Section 313 of the Emergency Planning and Community Right-to-Know act of 1986 and of 40 CFR 372.
HAP Listed as a Clean Air Act Hazardous Air Pollutant.
TPQ Threshold Planning Quantity.
RQ Reportable Quantity
NA not available
NR not regulated

16. Other information

HMIS rating H: 3 F: 0 R: 1

Glossary of Terms:
ACGIH American Conference of Governmental Industrial Hygienists.
IARC International Agency for Research on Cancer.
NTP National Toxicology Program.
OEL Occupational Exposure Limit.
OSHA Occupational Safety and Health Administration.
NOTE: The list (above) of glossary terms may be modified.

Notice from Axalta Coating Systems:
The document reflects information provided to Axalta Coating Systems by its suppliers. Information is accurate to the best of our knowledge and is subject to change as new data is received by Axalta Coating Systems. Persons receiving this information should make their own determination as to its suitability for their purposes prior to use.
The information on this Safety Data Sheet relates only to the specific material designated herein and does not relate to use in combination with any other material or in any process.

SDS prepared by: Axalta Coating Systems Regulatory Affairs

Report version

<table>
<thead>
<tr>
<th>Version</th>
<th>Changes</th>
</tr>
</thead>
<tbody>
<tr>
<td>10.1</td>
<td>16</td>
</tr>
</tbody>
</table>

Revision Date: 2019-08-28

(800) 668-6945
axalta.ca