Safety Data Sheet

according to OSHA Hazard Communication
29 CFR Part 1910.1200

Section 1. Identification

Product Information: 12W-D110
Product Name: WHITE CHLORINATED RUBBER ZONE MARKING PAINT
Recommended Use: Liquid Paint
Application Method: See Product Data Sheet
Supplied by: Aexcel Corporation
7373 Production Drive.
Mentor, OH 44060
Emergency Telephone: Chemtrec: 800-424-9300
Safety Data Sheet Coordinator: IWebb@AexcelCorp.com

Section 2. Hazard(s) identification

EMERGENCY OVERVIEW: Flammable liquid and vapor.

GHS Classification
Asp. Tox. 1, Eye Irrit. 2A, Flam. Liq. 2, Repr. 2, Skin Irrit. 2, STOT RE 2, STOT SE 3 NE

Symbol(s) of Product

Signal Word
Danger

Possible Hazards
20% of the mixture consists of ingredients of unknown acute toxicity

GHS HAZARD STATEMENTS
Aspiration Hazard, category 1 H304 May be fatal if swallowed and enters airways.
Eye Irritation, category 2A H319 Causes serious eye irritation.
Flammable Liquid, category 2 H225 Highly flammable liquid and vapour.
Reproductive Toxicity, category 2 H361 Suspected of damaging fertility or the unborn child.
STOT, repeated exposure, category 2 H373 May cause damage to organs through prolonged or repeated exposure.
STOT, single exposure, category 3, NE H336 May cause drowsiness or dizziness.
Skin Irritation, category 2 H315 Causes skin irritation.

GHS LABEL PRECAUTIONARY STATEMENTS
P201 Obtain special instructions before use.
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P260 Do not breathe dust/fume/gas/mist/vapours/spray.
P264 Wash thoroughly after handling.
P271 Use only outdoors or in a well-ventilated area.
P280  Wear protective gloves/protective clothing/eye protection/face protection.
P281  Use personal protective equipment as required.
P301+P310  IF SWALLOWED: Immediately call a POISON CENTER/doctor.
P302+P352  IF ON SKIN: Wash with plenty of water.
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.
P312  Call a POISON CENTER/doctor if you feel unwell.
P321  Specific treatment (see on this label).
P331  Do NOT induce vomiting.
P332+P313  If skin irritation occurs: Get medical advice/attention.
P337+P313  If eye irritation persists: Get medical advice/attention.
P370+P378  In case of fire: Use dry chemical, carbon dioxide, or foam to extinguish.
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 rules and regulations.

GHS SDS PRECAUTIONARY STATEMENTS
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.
P363  Wash contaminated clothing before reuse.

Section 3. Composition/Information on ingredients

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS-No.</th>
<th>Wt. %</th>
<th>GHS Symbols</th>
<th>GHS Statements</th>
</tr>
</thead>
<tbody>
<tr>
<td>TOLUENE</td>
<td>108-88-3</td>
<td>10-25</td>
<td>GHS07-GHS08</td>
<td>H304-315-319-336-361-373</td>
</tr>
<tr>
<td>ALIPHATIC PETROLEUM DISTILATES</td>
<td>8032-32-4</td>
<td>2.5-10</td>
<td>GHS02-GHS07-GHS08</td>
<td>H225-304-315-320-332-336</td>
</tr>
<tr>
<td>TITANIUM DIOXIDE</td>
<td>13463-67-7</td>
<td>2.5-10</td>
<td>GHS06-GHS08</td>
<td>H331-361</td>
</tr>
</tbody>
</table>

The text for GHS Hazard Statements shown above (if any) is given in the "Other information" Section.

Section 4. First-aid measures

FIRST AID - INHALATION: Move to fresh air in case of accidental inhalation of vapors or decomposition products. Move to fresh air.

FIRST AID - SKIN CONTACT: If skin irritation persists, call a physician. Wash off immediately with soap and plenty of water. Wash off with soap and water.

FIRST AID - EYE CONTACT: Flush eye(s) immediately with plenty of water. Rinse with plenty of water.

FIRST AID - INGESTION: Call a physician or Poison Control Center immediately. Consult a physician.

Section 5. Fire-fighting measures

UNUSUAL FIRE AND EXPLOSION HAZARDS: May be ignited by open flame. Remove all sources of ignition. To avoid ignition of vapors by static electricity discharge, all metal parts of the equipment must be grounded. Please refer to guidance NFPA 77, Recommended Practice on Static Electricity (2007); API Recommended Practice 2003, Protection Against Ignitions Arising Out of Static, Lightning, And Stray Currents (2008). Vapors are heavier than air and may spread along floors.
SPECIAL FIREFIGHTING PROCEDURES: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

EXTINGUISHING MEDIA: Alcohol Foam, Carbon Dioxide, Dry Chemical, Foam

**Section 6. Accidental release measures**

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED: Soak up with inert absorbent material and dispose of as hazardous waste.

**Section 7. Handling and storage**

**Handling:** Containers of this material may be hazardous when emptied. All metal parts of the mixing and processing equipment must be grounded. Handle in accordance with good industrial hygiene and safety practice. Hazardous fumes can also occur in post-processing operations.

**Storage:** Harmful - Store away from foodstuffs. Keep containers tightly closed. Keep in a well-ventilated place. Keep locked-up. For Industrial Use Only

**Section 8. Exposure controls/personal protection**

### Ingredients with Occupational Exposure Limits

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>ACGIH TLV-TWA</th>
<th>ACGIH-TLV STEL</th>
<th>OSHA PEL-TWA</th>
<th>OSHA PEL-CEILING</th>
</tr>
</thead>
<tbody>
<tr>
<td>TOLUENE</td>
<td>20 ppm</td>
<td>NE</td>
<td>200 ppm</td>
<td>300 ppm</td>
</tr>
<tr>
<td>ALIPHATIC PETROLEUM DISTILLATES</td>
<td>300</td>
<td>400</td>
<td>300</td>
<td>NE</td>
</tr>
<tr>
<td>TITANIUM DIOXIDE</td>
<td>N.E.</td>
<td>N.E.</td>
<td>N.E.</td>
<td>N.E.</td>
</tr>
</tbody>
</table>

*Further Advice: MEL = Maximum Exposure Limit  OES = Occupational Exposure Standard  SUP = Supplier's Recommendation  Sk = Skin Sensitizer  N.E. = Not Established*

**Personal Protection**

**RESPIRATORY PROTECTION:** In case of insufficient ventilation, wear suitable respiratory equipment. In the case of respirable dust and/or fumes, use self-contained breathing apparatus.

**SKIN PROTECTION:** Impervious gloves.

**EYE PROTECTION:** Safety glasses with side-shields.

**OTHER PROTECTIVE EQUIPMENT:** Impervious clothing.

**HYGIENIC PRACTICES:** General industrial hygiene practice. It is good practice in industrial hygiene to avoid contact with solvents by using appropriate protective measures whenever possible. Keep working clothes separately.
Section 9. Physical and Chemical Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Boiling Range</td>
<td>148 - 232</td>
</tr>
<tr>
<td>Odor</td>
<td>Characteristics</td>
</tr>
<tr>
<td>Appearance</td>
<td>Heavy Liquid</td>
</tr>
<tr>
<td>Solubility in Water</td>
<td>NE</td>
</tr>
<tr>
<td>Freeze Point</td>
<td>NE</td>
</tr>
<tr>
<td>Vapor Pressure</td>
<td>16.70</td>
</tr>
<tr>
<td>Physical State</td>
<td>Liquid</td>
</tr>
<tr>
<td>Vapor Density</td>
<td>3.80</td>
</tr>
<tr>
<td>Odor Threshold</td>
<td>NE</td>
</tr>
<tr>
<td>Evaporation Rate</td>
<td>2.00</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>1.603</td>
</tr>
<tr>
<td>pH</td>
<td>NE</td>
</tr>
<tr>
<td>Viscosity</td>
<td>NE</td>
</tr>
<tr>
<td>Flash Point, °C</td>
<td>4, °F 39.2</td>
</tr>
</tbody>
</table>

(See section 16 for abbreviation legend)

<table>
<thead>
<tr>
<th>CHEMICAL NAME</th>
<th>VAPOR DENSITY</th>
<th>EVAPORATION RATE</th>
<th>BOILING POINT</th>
<th>VP mmHg</th>
<th>at DEG. F</th>
</tr>
</thead>
<tbody>
<tr>
<td>TOLUENE</td>
<td>3.10</td>
<td>2.00</td>
<td>231</td>
<td>16.70</td>
<td>68</td>
</tr>
<tr>
<td>ALIPHATIC PETROLEUM DISTILATES</td>
<td>3.80</td>
<td>2.00</td>
<td>240</td>
<td>10.20</td>
<td>68</td>
</tr>
<tr>
<td>TITANIUM DIOXIDE</td>
<td>NE</td>
<td>NE</td>
<td>0</td>
<td>NE</td>
<td>NE</td>
</tr>
</tbody>
</table>

Section 10. Stability and reactivity

STABILITY: Stable under normal conditions.

CONDITIONS TO AVOID: Avoid contact with skin and eyes. Avoid contact with skin, eyes and clothing.

INCOMPATIBILITY: Keep away from strong oxidizing agents, heat and open flames.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon Monoxide, Carbon Dioxide

Section 11. Toxicological information

Practical Experiences

EFFECT OF OVEREXPOSURE - INHALATION: Inhalation may cause irritation to the respiratory tract (nose, mouth, mucous membranes).

EFFECT OF OVEREXPOSURE - SKIN CONTACT: Direct skin contact may cause irritation. Local ventilation of emission sources may be necessary to maintain ambient concentrations below recommended exposure limits.

EFFECT OF OVEREXPOSURE - EYE CONTACT: Direct eye contact may cause irritation. Mild eye irritation.

EFFECT OF OVEREXPOSURE - INGESTION: Harmful: may cause lung damage if swallowed.

CARCINOGENICITY: No Information

Acute Toxicity Values
The acute effects of this product have not been tested. Data on individual components are tabulated below:

<table>
<thead>
<tr>
<th>CAS-No.</th>
<th>Name according to EEC</th>
<th>Oral LD50</th>
<th>Dermal LD50</th>
<th>Vapor LC50</th>
</tr>
</thead>
<tbody>
<tr>
<td>108-88-3</td>
<td>TOLUENE</td>
<td>5580</td>
<td>12196</td>
<td>12500</td>
</tr>
<tr>
<td>8032-32-4</td>
<td>ALIPHATIC PETROLEUM DISTILATES</td>
<td>N.I.</td>
<td>N.I.</td>
<td>N.I.</td>
</tr>
<tr>
<td>13463-67-7</td>
<td>TITANIUM DIOXIDE</td>
<td>10000</td>
<td>10000</td>
<td>6.80</td>
</tr>
</tbody>
</table>

N.I. - No Information

Section 12. Ecological information

ECOLOGICAL INFORMATION: Do not allow material to contaminate ground water system. Do not contaminate ponds, waterways or ditches with chemical or used container.
Section 13. Disposal considerations

**DISPOSAL METHOD:** Contact waste disposal services. Dispose of in accordance with all local, state and federal regulations.

**STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:** Soak up with inert absorbent material and dispose of as hazardous waste.

Section 14. Transport information

**SPECIAL TRANSPORT PRECAUTIONS:** No Information

<table>
<thead>
<tr>
<th>DOT Proper Shipping</th>
<th>Paint, Flammable Liquid</th>
<th>Packing Group:</th>
<th>II</th>
</tr>
</thead>
<tbody>
<tr>
<td>DOT Technical Name:</td>
<td>Paint</td>
<td>Hazard SubClass:</td>
<td>No Information</td>
</tr>
<tr>
<td>DOT UN/NA Number:</td>
<td>1263</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Section 15. Regulatory information

**U.S. Federal Regulations:**

**CERCLA - SARA Hazard Category**

This product has been reviewed according to the EPA ‘Hazard Categories’ promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:

- Flammable (gases, aerosols, liquids, or solids), Reproductive toxicity, Skin Corrosion or Irritation, Serious eye damage or eye irritation, Specific target organ toxicity (single or repeated exposure), Aspiration Hazard

**SARA SECTION 312:**

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS-No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>TOLUENE</td>
<td>108-88-3</td>
</tr>
<tr>
<td>ALIPHATIC PETROLEUM DISTILATES</td>
<td>8032-32-4</td>
</tr>
</tbody>
</table>

**SARA SECTION 313:**

This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40 CFR part 372:

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS-No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>TOLUENE</td>
<td>108-88-3</td>
</tr>
<tr>
<td>N-HEXANE 100%</td>
<td>110-54-3</td>
</tr>
<tr>
<td>METHANOL</td>
<td>67-56-1</td>
</tr>
<tr>
<td>CYCLOHEXANE</td>
<td>110-82-7</td>
</tr>
<tr>
<td>N-BUTANOL</td>
<td>71-36-3</td>
</tr>
<tr>
<td>BUTYL CARBITOL (DB)</td>
<td>112-34-5</td>
</tr>
</tbody>
</table>

**TOXIC SUBSTANCES CONTROL ACT:**

All components of this material are listed on the US Toxic Substance Control Act (TSCA inventory).

**U.S. State Regulations:**

**NEW JERSEY RIGHT-TO-KNOW:**

The following materials are non-hazardous, but are among the top five components in this product.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS-No.</th>
</tr>
</thead>
</table>
CALCIUM CARBONATE 1317-65-3
PURE DRYING MED OIL
ALUMINUM SILICATE 66402-68-4

PENNSYLVANIA RIGHT-TO-KNOW

The following non-hazardous ingredients are present in the product at greater than 3%.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS-No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>CALCIUM CARBONATE</td>
<td>1317-65-3</td>
</tr>
<tr>
<td>PURE DRYING MED OIL</td>
<td></td>
</tr>
<tr>
<td>ALUMINUM SILICATE</td>
<td>66402-68-4</td>
</tr>
<tr>
<td>HYDRATED MAGNESIUM SILICATE</td>
<td>14807-96-6</td>
</tr>
<tr>
<td>WOLLASTONITE (CALCIUM METASILICATE)</td>
<td>13983-17-0</td>
</tr>
</tbody>
</table>

CALIFORNIA PROPOSITION 65 CARCINOGENS

WARNING

The following ingredients present in the product are known to the state of California to cause Cancer:

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS-No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>TITANIUM DIOXIDE</td>
<td>13463-67-7</td>
</tr>
</tbody>
</table>

CALIFORNIA PROPOSITION 65 REPRODUCTIVE TOXINS

The following ingredients present in the product are known to the state of California to cause birth defects, or other reproductive hazards.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS-No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>TOLUENE</td>
<td>108-88-3</td>
</tr>
<tr>
<td>METHANOL</td>
<td>67-56-1</td>
</tr>
</tbody>
</table>

International Regulations: As follows -

CANADIAN WHMIS:

All components of this material are listed on the Domestic Substance List.

WHMIS Class: No Information

Section 16. Other information, including date of preparation of the last revision

Revision Date: 1/7/2021
Supercedes Date: 1/5/2021

Reason for revision:

Substance and/or Product Properties Changed in Section(s):
- 01 - Product Information
- 02 - Hazards Identification
- 08 - Exposure Controls/Personal Protection
- 09 - Physical & Chemical Information
- 15 - Regulatory Information
Substance Hazardous Flag Changed
Substance Hazard Threshold % Changed
Revision Statement(s) Changed

Datasheet produced by: Regulatory Department

HMIS Ratings:

<table>
<thead>
<tr>
<th>Health</th>
<th>Flammability</th>
<th>Reactivity</th>
<th>Personal Protection</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>3</td>
<td>0</td>
<td>X</td>
</tr>
</tbody>
</table>

Volatile Organic Compounds, gr/ltr: 371
Text for GHS Hazard Statements shown in Section 3 describing each ingredient:

- **H225**: Highly flammable liquid and vapour.
- **H304**: May be fatal if swallowed and enters airways.
- **H315**: Causes skin irritation.
- **H319**: Causes serious eye irritation.
- **H320**: Causes eye irritation.
- **H311**: Toxic if inhaled.
- **H332**: Harmful if inhaled.
- **H336**: May cause drowsiness or dizziness.
- **H361**: Suspected of damaging fertility or the unborn child.
- **H373**: May cause damage to organs through prolonged or repeated exposure.

Icons for GHS Pictograms shown in Section 3 describing each ingredient:

- **GHS02**
- **GHS06**
- **GHS07**
- **GHS08**

Legend: N.A. - Not Applicable, N.E. - Not Established, N.D. - Not Determined, N.I. - No Information

No Information