Safety Data Sheet

according to OSHA Hazard Communication
29 CFR Part 1910.1200

Section 1. Identification

Product Information: 12R-D047
Product Name: RED REGULAR DRY ALKYD ZONE MARKING PAINT
Recommended Use: Liquid Paint
Application Method: Liquid Surface Paint
Supplied by: Aexcel Corporation
7373 Production Drive.
Mentor, OH 44060

Emergency Telephone: Chemtrec: 800-424-9300
Safety Data Sheet Coordinator: lWebb@AexcelCorp.com

Section 2. Hazard(s) identification

EMERGENCY OVERVIEW: Flammable liquid and vapor.

GHS Classification
Acute Tox. 4 Inhalation, Asp. Tox. 1, Eye Irrit. 2B, Flam. Liq. 2, STOT SE 3 NE, Skin Irrit. 2

Symbol(s) of Product

Signal Word
Danger

GHS ADDITIONAL INFORMATION

H362 Contains one or more Category 1 or Category 2 Reproductive Toxicants at greater than 0.1%. A Safety Data Sheet shall be available for the mixture upon request.

GHS HAZARD STATEMENTS
Flammable Liquid, category 2 H225 Highly flammable liquid and vapour.
Aspiration Hazard, category 1 H304 May be fatal if swallowed and enters airways.
Skin Irritation, category 2 H315 Causes skin irritation.
Eye Irritation, category 2B H320 Causes eye irritation.
Acute Toxicity, Inhalation, category 4 H332 Harmful if inhaled.
STOT, single exposure, category 3, NE H336 May cause drowsiness or dizziness.

GHS LABEL PRECAUTIONARY STATEMENTS
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P261 Avoid breathing 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.
P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor.
P302+P352 IF ON SKIN: Wash with plenty of water.
P303+P361+P35 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.
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>ALIPHATIC PETROLEUM DISTILATES</td>
<td>8032-32-4</td>
<td>25-50</td>
<td>GHS02-GHS07-GHS08</td>
<td>H225-304-315-320-332-336</td>
</tr>
<tr>
<td>METHANOL</td>
<td>67-56-1</td>
<td>0.1-1.0</td>
<td>GHS02-GHS06-GHS08</td>
<td>H225-301-311-319-331-360-370</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. Oxygen or artificial respiration if needed.
FIRST AID - SKIN CONTACT: Wash off with soap and water.
FIRST AID - EYE CONTACT: Flush eye(s) immediately with plenty of water. Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Rinse with plenty of water.
FIRST AID - INGESTION: Call a physician or Poison Control Center immediately. Do not induce vomiting without medical advice.

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>ALIPHATIC PETROLEUM DISTILATES</td>
<td>300</td>
<td>400</td>
<td>300</td>
<td>NE</td>
</tr>
<tr>
<td>METHANOL</td>
<td>200</td>
<td>250</td>
<td>200</td>
<td>NE</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.
Section 9. Physical and Chemical Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Boiling Range:</td>
<td>147 - 285</td>
</tr>
<tr>
<td>Odor:</td>
<td>Characteristic</td>
</tr>
<tr>
<td>Appearance:</td>
<td>Heavy Red 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>47.30</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>4.10</td>
</tr>
<tr>
<td>Specific Gravity:</td>
<td>1.424</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>7, °F 44.6</td>
</tr>
</tbody>
</table>

(See section 16 for abbreviation legend)

<table>
<thead>
<tr>
<th>CHEMICAL NAME</th>
<th>VAPOUR DENSITY</th>
<th>EVAPORATION RATE</th>
<th>BOILING POINT</th>
<th>VP mmHg</th>
<th>at DEG. F</th>
</tr>
</thead>
<tbody>
<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>METHANOL</td>
<td>1.11</td>
<td>4.10</td>
<td>147</td>
<td>47.30</td>
<td>77</td>
</tr>
</tbody>
</table>

Section 10. Stability and reactivity

STABILITY: Stable under normal conditions.

CONDITIONS TO AVOID: Avoid contact with skin, eyes and clothing. Do not breathe vapours or spray mist.

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

HAZARDOUS DECOMPOSITION PRODUCTS: No decomposition if used as directed.

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. Harmful: possible risk of irreversible effects if swallowed. May be fatal or cause blindness.

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>8032-32-4</td>
<td>ALIPHATIC PETROLEUM DISTILATES</td>
<td>N.I.</td>
<td>N.I.</td>
<td>N.I.</td>
</tr>
<tr>
<td>67-56-1</td>
<td>METHANOL</td>
<td>N.I.</td>
<td>N.I.</td>
<td>N.I.</td>
</tr>
</tbody>
</table>

N.I. - No Information

Section 12. Ecological information

ECOLOGICAL INFORMATION: 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></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Paint, Flammable Liquid</td>
<td>II</td>
<td>Paint</td>
<td>No Information</td>
<td>3</td>
<td>128</td>
</tr>
<tr>
<td>DOT UN/NA Number:</td>
<td>1263</td>
<td></td>
<td></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:

Fire Hazard, Acute Health Hazard, Chronic Health Hazard

**SARA SECTION 312:**

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS-No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>ALIPHATIC PETROLEUM DISTILATES</td>
<td>8032-32-4</td>
</tr>
<tr>
<td>METHANOL</td>
<td>67-56-1</td>
</tr>
<tr>
<td>NAPHTHA (PETROLEUM), HYDROTREATED HEAVY, LOW BOIL</td>
<td>64742-48-9</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>ETHYL BENZENE</td>
<td>100-41-4</td>
</tr>
<tr>
<td>METHANOL</td>
<td>67-56-1</td>
</tr>
<tr>
<td>m-XYLENE</td>
<td>108-38-3</td>
</tr>
<tr>
<td>BUTYL CARBITOL (DB)</td>
<td>112-34-5</td>
</tr>
<tr>
<td>N-BUTANOL</td>
<td>71-36-3</td>
</tr>
<tr>
<td>TOLUENE</td>
<td>108-88-3</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.
Chemical Name | CAS-No.
--- | ---
CALCIUM CARBONATE | 1317-65-3
MED OIL-SOY-VM&P-(Z-Z2)-RCI | 68082-51-9
HYDRATED MAGNESIUM SILICATE | 14807-96-6

**PENNYSYLVANIA RIGHT-TO-KNOW**

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

Chemical Name | CAS-No.
--- | ---
CALCIUM CARBONATE | 1317-65-3
MED OIL-SOY-VM&P-(Z-Z2)-RCI | 68082-51-9
HYDRATED MAGNESIUM SILICATE | 14807-96-6
WOLLASTONITE (CALCIUM METASILICATE) | 13983-17-0

**CALIFORNIA PROPOSITION 65 CARCINOGENS**

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

Chemical Name | CAS-No.
--- | ---
ETHYL BENZENE | 100-41-4

**CALIFORNIA PROPOSITION 65 REPRODUCTIVE TOXINS**

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

Chemical Name | CAS-No.
--- | ---
METHANOL | 67-56-1
TOLUENE | 108-88-3

**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**

<table>
<thead>
<tr>
<th>Revision Date:</th>
<th>3/28/2019</th>
</tr>
</thead>
<tbody>
<tr>
<td>Supercedes Date:</td>
<td>6/2/2015</td>
</tr>
<tr>
<td>Reason for revision:</td>
<td>GHS</td>
</tr>
<tr>
<td>Datasheet produced by:</td>
<td>Regulatory Department</td>
</tr>
</tbody>
</table>

**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:**

373

**Text for GHS Hazard Statements shown in Section 3 describing each ingredient:**

H225 Highly flammable liquid and vapour.
H301 Toxic if swallowed.
H304 May be fatal if swallowed and enters airways.
H311 Toxic in contact with skin.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H320 Causes eye irritation.
H331 Toxic if inhaled.
H332 Harmful if inhaled.
May cause drowsiness or dizziness.
May damage fertility or the unborn child.
Causes damage to organs. Classified Category 1 Substances that produced significant toxicity in humans and evidence to produce significant toxicity with single exposure. Cell death, adverse change in biochemistry, haematology or urinalysis parameters, Central or peripheral nervous system and effects senses. multifocal or diffuse necrosis, fibrosis or granuloma formation in organs.

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