

Safety Data Sheet

according to OSHA Hazard Communication
29 CFR Part 1910.1200



Section 1. Identification

Product Information: 12Y-D272

Product Name: YELLOW REGULAR DRY ALKYD ZONE MARKING PAINT

Recommended Use: Liquid Paint

Application Method: Solvent Based Surface Paint

Supplied by: Delaware Paint Company
8455 Rausch Drive.
Plain City, Oh 43064

Emergency Telephone: Chemtrec: 800-424-9300

Safety Data Sheet Coordinator: Pete.newton@delawarepaintco.com

Section 2. Hazard(s) identification

EMERGENCY OVERVIEW: Flammable liquid and vapor.

GHS Classification

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

Symbol(s) of Product



Signal Word

Danger

Possible Hazards

4% of the mixture consists of ingredients of unknown acute toxicity

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. |
| 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+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. |
| 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. |
| 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

| <u>Chemical Name</u> | <u>CAS-No.</u> | <u>Wt. %</u> | <u>GHS Symbols</u> | <u>GHS Statements</u> |
|--------------------------------|----------------|--------------|--------------------|------------------------------|
| ALIPHATIC PETROLEUM DISTILATES | 8032-32-4 | 10-25 | GHS02-GHS07-GHS08 | H225-304-315-320-332-336 |
| TOLUENE | 108-88-3 | 1.0-2.5 | GHS02-GHS07-GHS08 | H225-304-315-319-336-361-373 |
| TITANIUM DIOXIDE | 13463-67-7 | 1.0-2.5 | GHS06 | H331 |
| METHANOL | 67-56-1 | 0.1-1.0 | GHS02-GHS06-GHS08 | H225-301-311-319-331-360-370 |

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. Oxygen or artificial respiration if needed.

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 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. Consult a physician. 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: 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

| <u>Chemical Name</u> | <u>ACGIH TLV-TWA</u> | <u>ACGIH-TLV STEL</u> | <u>OSHA PEL-TWA</u> | <u>OSHA PEL-CEILING</u> |
|--------------------------------|----------------------|-----------------------|---------------------|-------------------------|
| ALIPHATIC PETROLEUM DISTILATES | 300 | 400 | 300 | NE |
| TOLUENE | 50 | 150 | 200 | 300 |
| TITANIUM DIOXIDE | N.E. | N.E. | N.E. | N.E. |
| METHANOL | 200 | 250 | 200 | NE |

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

| | | | |
|-----------------------------|---------------------|--------------------------|------------|
| Boiling Range: | 147 - 285 | Vapor Density: | 3.80 |
| Odor: | Characteristic | Odor Threshold: | NE |
| Appearance: | Heavy Yellow Liquid | Evaporation Rate: | 4.10 |
| Solubility in Water: | NE | Specific Gravity: | 1.516 |
| Freeze Point: | NE | pH: | NE |
| Vapor Pressure: | 47.30 | Viscosity: | NE |
| Physical State: | Liquid | Flash Point, °C: | 7, °F 44.6 |

(See section 16 for abbreviation legend)

| <u>CHEMICAL NAME</u> | <u>VAPOR DENSITY</u> | <u>EVAPORATION RATE</u> | <u>BOILING POINT</u> | <u>VP mmHg</u> | <u>at DEG. F</u> |
|--------------------------------|----------------------|-------------------------|----------------------|----------------|------------------|
| ALIPHATIC PETROLEUM DISTILATES | 3.80 | 2.00 | 240 | 10.20 | 68 |
| TOLUENE | 3.20 | 2.00 | 231 | 16.70 | 68 |
| TITANIUM DIOXIDE | | NE | 0 | NE | NE |
| METHANOL | 1.11 | 4.10 | 147 | 47.30 | 77 |

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: 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. 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:

| <u>CAS-No.</u> | <u>Name according to EEC</u> | <u>Oral LD50</u> | <u>Dermal LD50</u> | <u>Vapor LC50</u> |
|----------------|--------------------------------|------------------|--------------------|-------------------|
| 8032-32-4 | ALIPHATIC PETROLEUM DISTILATES | N.I. | N.I. | N.I. |
| 108-88-3 | TOLUENE | 5580 | 12196 | 12500 |
| 13463-67-7 | TITANIUM DIOXIDE | 10000 | 10000 | 6.8 |
| 67-56-1 | METHANOL | N.I. | N.I. | N.I. |

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



Product

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

| | | | |
|----------------------------|-------------------------|--------------------------|----------------|
| DOT Proper Shipping | Paint, Flammable Liquid | Packing Group: | II |
| DOT Technical Name: | Paint | Hazard SubClass: | No Information |
| DOT Hazard Class: | 3 | Resp. Guide Page: | 128 |
| DOT UN/NA Number: | 1263 | | |

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:

| <u>Chemical Name</u> | <u>CAS-No.</u> |
|---|----------------|
| ALIPHATIC PETROLEUM DISTILATES | 8032-32-4 |
| TOLUENE | 108-88-3 |
| METHANOL | 67-56-1 |
| NAPHTHA (PETROLEUM), HYDROTREATED HEAVY, LOW BOIL | 64742-48-9 |

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:

| <u>Chemical Name</u> | <u>CAS-No.</u> |
|----------------------|----------------|
| TOLUENE | 108-88-3 |
| METHANOL | 67-56-1 |
| ETHYL BENZENE | 100-41-4 |
| m-XYLENE | 108-38-3 |
| BUTYL CARBITOL (DB) | 112-34-5 |

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.

| <u>Chemical Name</u> | <u>CAS-No.</u> |
|-------------------------------------|----------------|
| LIMESTONE | 1317-65-3 |
| MED OIL-SOY-VM&P-(Z-Z2)-RCI | 68082-51-9 |
| WOLLASTONITE (CALCIUM METASILICATE) | 13983-17-0 |

PENNSYLVANIA RIGHT-TO-KNOW

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

| <u>Chemical Name</u> | <u>CAS-No.</u> |
|-------------------------------------|----------------|
| LIMESTONE | 1317-65-3 |
| MED OIL-SOY-VM&P-(Z-Z2)-RCI | 68082-51-9 |
| WOLLASTONITE (CALCIUM METASILICATE) | 13983-17-0 |
| HYDRATED MAGNESIUM SILICATE | 14807-96-6 |
| ALUMINUM SILICATE | 66402-68-4 |

CALIFORNIA PROPOSITION 65 CARCINOGENS

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

| <u>Chemical Name</u> | <u>CAS-No.</u> |
|----------------------|----------------|
| TITANIUM DIOXIDE | 13463-67-7 |
| 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.

| <u>Chemical Name</u> | <u>CAS-No.</u> |
|----------------------|----------------|
| TOLUENE | 108-88-3 |
| METHANOL | 67-56-1 |

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: 3/28/2019 **Supersedes Date:** 6/1/2015
Reason for revision: GHS
Datasheet produced by: Regulatory Department

HMIS Ratings:

| Health: | 2 | Flammability: | 3 | Reactivity: | 0 | Personal Protection: | X |
|---------|---|---------------|---|-------------|---|----------------------|---|
|---------|---|---------------|---|-------------|---|----------------------|---|

Volatile Organic Compounds, gr/ltr: 341


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.
- H336 May cause drowsiness or dizziness.
- H360 May damage fertility or the unborn child.
- H361 Suspected of damaging fertility or the unborn child.
- H370 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.

- 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