



**11221G**

**1. PRODUCT AND COMPANY IDENTIFICATION**

**PRODUCT CODE:** 11221G  
**PRODUCT NAME:** GREEN ALKYD TRAFFIC MARKING PAINT  
**PRODUCT USE:** Liquid Paint  
**MANUFACTURER:** Davies Imperial Coatings, Inc.  
 1275 State Street  
 Hammond, IN, 46320  
 219-933-0877

**24 HR. EMERGENCY TELEPHONE NUMBER**  
**CHEMTREC (US): 1 (800) 424-9300**

**2. HAZARDS IDENTIFICATION**

**EMERGENCY OVERVIEW:** Flammable liquid and vapor.

**CLASSIFICATION:**

- Flammable liquids - Category 2
- Carcinogenicity - Category 1A
- Flammable liquids - Category 3
- S.T.O.T. - repeated exposure - Category 1 (Lungs)
- Aspiration hazard - Category 1
- Acute toxicity, Inhalation - Category 4
- Eye irritation - Category 2A
- S.T.O.T. - single exposure - Category 3 (Central nervous system)
- Acute toxicity, Dermal - Category 4
- Skin irritation - Category 2
- S.T.O.T. - single exposure - Category 3 (Respiratory system)
- Reproductive toxicity - Category 2
- Carcinogenicity - Category 2
- S.T.O.T. - repeated exposure - Category 2 (Liver, Kidney, Central nervous system)
- Aquatic Environment Chronic Hazard - Category 2
- S.T.O.T. - repeated exposure - Category 2 (Oral)
- Reproductive toxicity - Category 1B
- Germ cell mutagenicity - Category 1B

**PICTOGRAMS:**



**SIGNAL WORD:** DANGER

**HAZARD STATEMENTS:**

- H350 - May cause cancer.
- H372 - Causes damage to organs through prolonged or repeated exposure.
- H225 - Highly flammable liquid and vapor.
- H319 - Causes serious eye irritation.
- H336 - May cause drowsiness or dizziness.
- H304 - May be fatal if swallowed and enters airways.
- H315 - Causes skin irritation.
- H312 - Harmful in contact with skin.
- H361 - Suspected of damaging fertility or the unborn child.
- H332 - Harmful if inhaled.
- H335 - May cause respiratory irritation.
- H373 - May cause damage to organs through prolonged or repeated exposure.
- H411 - toxic to aquatic life with long lasting effects.
- H315+H318 - Causes skin and serious eye irritation
- H351 - Suspected of causing cancer.
- H360 - May damage fertility or the unborn child.

H340 - May cause genetic defects.

**PRECAUTIONARY STATEMENTS:**

- P202 - Do not handle until all safety precautions have been read and understood.
- P270 - Do not eat, drink or smoke when using this product.
- P201 - Obtain special instructions before use.
- P260 - Do not breathe dust/fumes/gas/mist/vapors/spray.
- P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- P233 - Keep container tightly closed.
- P264 - Wash thoroughly after handling.
- P240 - Ground/bond container and receiving equipment.
- P241 - Use explosion-proof electrical / ventilating / lighting / equipment.
- P280 - Wear protective gloves/protective clothing/eye protection/face protection.
- P242 - Use only non-sparking tools.
- P243 - Take precautionary measures against static discharge.
- P271 - Use only outdoors or in a well-ventilated area.
- P273 - Avoid release to the environment.
- P272 - Contaminated work clothing should not be allowed out of the workplace.
- P281 - Use personal protective equipment as required.

**POTENTIAL HEALTH EFFECTS:**

- EYES:** Can cause severe eye irritation.
- SKIN:** Can cause skin irritation.
- INGESTION:** Harmful if swallowed. Irritating to mouth, throat and stomach.
- INHALATION:** Harmful if inhaled. May cause drowsiness and dizziness. Vapors may cause respiratory irritation. Aspiration hazard - can enter lungs and cause damage.

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

<u>CHEMICAL NAME</u>	<u>CAS NUMBER</u>	<u>WEIGHT % (MAX)</u>
ACETONE	67-64-1	24.00
PETROLEUM DISTILLATES N.O.S.	64742-89-8	4.41
TITANIUM DIOXIDE	13463-67-7	1.68
XYLENE	1330-20-7	1.27
QUARTZ	14808-60-7	0.39
ETHYL BENZENE	100-41-4	0.06

**4. FIRST AID MEASURES**

**EYES:** Rinse thoroughly with plenty of water, also under the eyelids for at least 15 minutes. Seek medical attention if needed.

**SKIN:** Wash off with soap and water immediately. Remove all contaminated clothing. Seek medical attention if needed.

**INGESTION:** Call Poison Control Center immediately. Do not induce vomiting unless directed by medical personnel. Never give anything by mouth to an unconscious person.

**INHALATION:** Move to fresh air. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Seek medical attention if needed.

**MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED:**

**SYMPTOMS:** Eye and skin irritation. Drowsiness and dizziness.

**EFFECTS:** Pain or irritation, coughing, nausea or vomiting, headache, unconsciousness.

**NOTES TO PHYSICIAN:** Treat symptomatically. If large quantities have been ingested or inhaled, contact poison control center immediately.

## 5. FIRE FIGHTING MEASURES

- PERSONAL PRECAUTIONS:** See Section 8
- EXTINGUISHING MEDIA:** Carbon Dioxide, dry chemical or foam
- FIRE FIGHTING PROCEDURES:** Isolate scene. Use appropriate extinguishing media. Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus with full face-piece operated in positive pressure mode.
- UNUSUAL FIRE HAZARD:** Vapors are heavier than air and may travel along the ground and be ignited by heat, open flame or other ignition sources. Keep containers tightly closed. Isolate from heat, sparks, electrical equipment and open flames. Closed containers may explode when exposed to extreme heat. Thermal decomposition can lead to release of irritating gases and vapors.

## 6. ACCIDENTAL RELEASE MEASURES

- SPILL:** Evacuate all nonessential personnel. Remove all sources of ignition. Ventilate the area. Equip employees with appropriate personal protective equipment. Dike around spilled material. Cover spill with inert absorbent material. Use non-sparking tools.
- PERSONAL PRECAUTIONS:** Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate unnecessary personnel to safe areas. Beware of vapors, accumulating to form explosive concentrations.
- METHOD OF CLEAN UP:** Contain spillage. Absorb with inert dry material and place in appropriate waste disposal container. Dispose of in accordance with all local, State or Federal regulations.

## 7. HANDLING AND STORAGE

- PRECAUTIONS FOR SAFE HANDLING:** Do not store or use near sources of high temperature, near fire or open flame, or other ignition sources. All equipment should be grounded and bonded to reduce static electricity hazard. Use non sparking tools.
- CONDITIONS FOR SAFE STORAGE:** Keep container tightly closed in a dry, cool and well-ventilated area, away from sources of heat, fire or sparks. Do not store in unlabeled containers. Keep separate from oxidizing materials.

## 8. EXPOSURE CONTROLS\PERSONAL PROTECTION

<u>CHEMICAL NAME</u>	<u>CAS NUMBER</u>	<u>OEL</u>
ACETONE	67-64-1	OSHA PEL: 1000 ppm, ACGIH TWA: 500 ppm
PETROLEUM DISTILLATES N.O.S.	64742-89-8	OSHA TWA: 500 pp m
TITANIUM DIOXIDE	13463-67-7	OHS PEL 15 mg/m <sup>3</sup> (total dust)
XYLENE	1330-20-7	OSHA PEL AND ACGIH TLV: 100 FOR 8 HR TWA

NL = Not Listed

- ENGINEERING CONTROLS:** Use only with proper ventilation. Use explosion-proof ventilation equipment if necessary.
- PERSONAL PROTECTIVE EQUIPMENT**
- EYES AND FACE:** Safety glasses with side shields or chemical splash goggles.
- SKIN:** Chemical resistant impervious gloves.
- RESPIRATORY:** In case of insufficient ventilation wear suitable respiratory equipment.
- WORK HYGIENIC PRACTICES:** Handle in accordance with good industrial hygiene and safety practice(s). Avoid contact with skin, eyes and clothing. Remove and wash contaminated clothing before re-use.
- OTHER PRECAUTIONS:** Wear impervious clothing and appropriate footwear.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>COLOR &amp; PHYSICAL STATE:</b> Green liquid	<b>SPECIFIC GRAVITY:</b> 1.3749
<b>ODOR:</b> Characteristic of acetone	<b>VAPOR DENSITY:</b> Heavier than air
<b>ODOR THRESHOLD:</b> No information available	<b>VAPOR PRESSURE:</b> No information available
<b>BOILING POINT:</b> 133 F	<b>SOLUBILITY IN WATER:</b> Not applicable
<b>MELTING POINT:</b> No information available	<b>PARTITION COEFFICIENT:</b> No information available
<b>FREEZING POINT:</b> Not applicable	<b>AUTO IGNITION TEMPERATURE:</b> No information available
<b>EVAPORATION RATE:</b> No information available	<b>DECOMPOSITION TEMPERATURE:</b> No information available
<b>FLAMMABILITY (solid,gas):</b> Not applicable	<b>FLAMMABILITY LIMITS:</b> 1% TO 13%
<b>VISCOSITY:</b> 75-85 KU	<b>FLASH POINT &amp; METHOD:</b> -4 deg F deg F TCC
<b>pH:</b> Not applicable	

## 10. STABILITY AND REACTIVITY

<b>STABILITY:</b> Stable under normal conditions.
<b>POSSIBILITY OF REACTION:</b> Under normal conditions of storage and use, hazardous reactions will not occur. Vapors may form an explosive mixture with air.
<b>CONDITIONS TO AVOID:</b> Heat, flames and sparks. Extremes in temperature and direct sunlight.
<b>INCOMPATIBLE MATERIALS:</b> Avoid contact with strong oxidizing agents, heat and open flames.
<b>DECOMPOSITION PRODUCTS:</b> May form toxic materials, carbon dioxide, carbon monoxide, etc.

## 11. TOXICOLOGICAL INFORMATION

### ACUTE SIGNS AND SYMPTOMS OF OVEREXPOSURE:

<b>EYE:</b> Causes serious eye irritation.
<b>SKIN:</b> Prolonged or repeated skin contact may cause irritation. Allergic reactions are possible.
<b>INHILATION:</b> Harmful if inhaled. Avoid breathing fumes, spray, vapors, or mist. May cause headaches and dizziness. High vapor concentrations are irritating to the eyes, nose, throat and lungs. High gas, vapor, mist or dust concentrations may be harmful if inhaled. Prolonged or excessive inhalation may cause respiratory tract irritation.
<b>INGESTION:</b> Harmful if swallowed. Aspiration hazard if swallowed; can enter lungs and cause damage.
<b>CHRONIC EFFECTS:</b> Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage.

### TOXICOLOGICAL INFORMATION

#### ACETONE (67-64-1)

Acute oral toxicity	LD50 (rat): 5,800 mg/kg
Acute inhalation toxicity	LC50 (rat): 76.0 mg/l. Exposure time: 4 h
Acute dermal toxicity	LD50: > 7,426 mg/kg

#### PETROLEUM DISTILLATES N.O.S. (64742-89-8)

Acute oral toxicity	LD 50 (Rat): > 5.000 mg/kg
Acute inhalation toxicity	LC 50 (Rat): > 20 mg/l
Acute dermal toxicity	LD50 (Rabbit): > 2.000 mg/kg

#### TITANIUM DIOXIDE (13463-67-7)

Acute oral toxicity	LD50 Oral Rat >10000 mg/kg
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#### XYLENE (1330-20-7)

Acute oral toxicity	LD50 (rat, male): 3,523 mg/kg.
Acute inhalation toxicity	LC50 (rat, male): 6700 ppm. Exposure time: 4 h
Acute dermal toxicity	LD50 (rabbit): 1,700 mg/kg.

## 12. ECOLOGICAL INFORMATION

<b>ECOLOGICAL INFORMATION:</b> Prevent entry into waterways, sewers or confined areas. Do not allow material or used container to contaminate ground water system.
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### 13. DISPOSAL CONSIDERATIONS

**DISPOSAL METHOD:** Dispose of in accordance with all local, State and Federal regulations.

**CONTAINER:** Empty containers may contain product residue and should not be reused. Vapors from residues may create a highly flammable or explosive atmosphere inside the container. Do not cut, weld or grind used containers.

### 14. TRANSPORT INFORMATION

**SPECIAL TRANSPORT PRECAUTIONS:** None known

**UN NUMBER:** UN1263

**UN PROPER SHIPPING NAME:** PAINT

**DOT HAZARD CLASS:** 3

**PACKING GROUP:** II

**ERG #:** #128

**MARINE POLLUTANT:** No

### 15. REGULATORY INFORMATION

**TSCA CERTIFICATION:** All chemicals in this product are listed, or are exempt from listing, on the TSCA Inventory.

#### SARA 311/312 HAZARD CATEGORIES:

**ACUTE HEALTH:** Yes

**CHRONIC HEALTH:** Yes

**FIRE:** Yes

**PRESSURE GENERATING:** No

**REACTIVE:** No

#### SARA 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 NUMBER</u>
XYLENE	1330-20-7

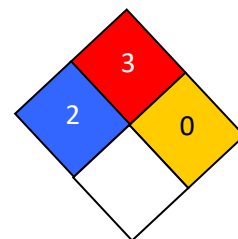
### 16. OTHER INFORMATION

**REVISION DATE:** 04/11/2011

#### HMIS RATING

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

#### NFPA CODES



#### PERSONAL PROTECTIVE EQUIPMENT



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