

# 2186 BLACK CHLORINATED ZONE MARKING PAINT

## 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT CODE:** 2186.  
**PRODUCT NAME:** BLACK CHLORINATED ZONE MARKING PAINT  
**PRODUCT USE:** Liquid Paint  
**MANUFACTURER:** RAE Products & Chemicals Corporation  
11638 South Mayfield Avenue.  
Alsip, IL 60803  
1-(877)-275-7550

**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  
Eye irritation - Category 2A  
Specific target organ toxicity - single exposure - Category 3  
Acute toxicity, Inhalation - Category 4  
Acute toxicity, Dermal - Category 4  
Skin irritation - Category 2  
Aspiration hazard - Category 1  
Reproductive toxicity - Category 2  
Germ cell mutagenicity - Category 1B

**SIGNAL WORD:** DANGER

### PICTOGRAMS:



### HAZARD STATEMENTS:

H225 - Highly flammable liquid and vapor.  
H304 - May be fatal if swallowed and enters airways.  
H315 - Causes skin irritation.  
H319 - Causes serious eye irritation.  
H335 - May cause respiratory irritation.  
H336 - May cause drowsiness or dizziness.  
H340 - May cause genetic defects.  
H350 - May cause cancer.  
H373 - May cause damage to organs through prolonged or repeated exposure.

### PRECAUTIONARY STATEMENTS:

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P233 Keep container tightly closed.  
P201 - Obtain special instructions before use.  
P202 - Do not handle until all safety precautions have been read and understood.  
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.  
P260 Do not breathe dust/fumes/gas/mist/vapors/spray.  
P264 Wash thoroughly after handling.  
P271 Use only outdoors or in a well-ventilated area.  
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:** May be harmful if absorbed through skin. Causes skin irritation.

**INGESTION:** Harmful if swallowed. Irritating to mouth, throat and stomach. Aspiration hazard - can enter lungs and cause damage

**INHALATION:** Harmful if inhaled. May cause drowsiness and dizziness. Vapors may cause respiratory irritation.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

<u>CHEMICAL NAME</u>	<u>CAS NUMBER</u>	<u>WEIGHT % (MAX)</u>
TOLUENE	108-88-3	14.81
PETROLEUM DISTILLATES N.O.S.	64742-89-8	8.75
METHYL ETHYL KETONE	78-93-3	6.31
ETHYL BENZENE	100-41-4	0.12

### 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:** Do not induce vomiting. Call Poison Control Center immediately.

**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 nonsparking 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>
METHYL ETHYL KETONE	78-93-3	OSHA TWA: 200 PPM, ACGIH TWA: 200 PPM
TOLUENE	108-88-3	OSHA TWA: 100 PPM, ACGIH TWA: 20 PPM
PETROLEUM DISTILLATES N.O.S.	64742-89-8	OSHA Z1 TWA 500 PPM

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> Black liquid	<b>SPECIFIC GRAVITY:</b> 1.3743
<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> 175.0 deg 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> 1.4% TO 11.5%
<b>VISCOSITY:</b> 78-95 KU	<b>FLASH POINT &amp; METHOD:</b> 19.00 deg F deg F TCC
<b>pH:</b> Not applicable	

## 10. STABILITY AND REACTIVITY

**STABILITY:** Stable under normal conditions.

**POSSIBILITY OF REACTION:** Under normal conditions of storage and use, hazardous reactions will not occur. Vapors may form an explosive mixture with air.

**CONDITIONS TO AVOID:** Heat, flames and sparks. Extremes in temperature and direct sunlight.

**INCOMPATIBLE MATERIALS:** Avoid contact with strong oxidizing agents, heat and open flames.

**DECOMPOSITION PRODUCTS:** May form toxic materials, carbon dioxide, carbon monoxide, etc.

## 11. TOXICOLOGICAL INFORMATION

### **ACUTE SIGNS AND SYMPTOMS OF OVEREXPOSURE:**

**EYE:** Causes serious eye irritation.

**SKIN:** Prolonged or repeated skin contact may cause irritation. Allergic reactions are possible.

**INHILATION:** 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.

**INGESTION:** Harmful if swallowed. Aspiration hazard if swallowed; can enter lungs and cause damage.

**CHRONIC EFFECTS:** Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage.

**TOXICOLOGICAL INFORMATION****METHYL ETHYL KETONE(78-93-3)**

Acute oral toxicity LD50 (rat): 2,737 mg/kg  
 Acute inhalation toxicity LC50 (mouse): 320 mg/l  
 Acute dermal toxicity LD50 (rabbit): 6,480 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

**TOLUENE(108-88-3)**

Acute oral toxicity LD50 (rat, male): > 5,580 mg/kg  
 Acute inhalation toxicity LC50 (rat, male and female): 28.1 mg/l  
 Acute dermal toxicity LD50 (rabbit): > 5,000 mg/kg

**12. ECOLOGICAL INFORMATION**

**ECOLOGICAL INFORMATION:** Prevent entry into waterways, sewers or confined areas. Do not allow material or used container to contaminate ground water system.

**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 HELATH:** 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>
TOLUENE	108-88-3

## 16. OTHER INFORMATION

REVISION DATE: 06/01/15

### NFPA CODES

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



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