

# 4510 WHITE WATERBASED BAKING ENAMEL

## 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT CODE:** 4510  
**PRODUCT NAME:** 6WC WHITE HIGH-HEAT WATERBASED BAKING ENAMEL  
**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:** Skin and eye irritant.

**CLASSIFICATION:**

Eye irritation - Category 2A  
 Acute toxicity (Oral) - Category 4  
 Flammable liquids - Category 3  
 S.T.O.T. - repeated exposure - Category 2 (Kidney)  
 S.T.O.T. - single exposure - Category 3 (Central nervous system)  
 Acute toxicity, Dermal - Category 4  
 S.T.O.T. - single exposure - Category 3 (Respiratory system)  
 Skin Corrosion - Category 1B  
 Serious Eye Damage / Irritation - Category 1  
 Acute Toxicity, Inhalation - Category 3  
 Carcinogenicity - Category 3  
 Acute toxicity, Inhalation - Category 4  
 Skin irritation - Category 2  
 Flammable liquids - Category 4

**PICTOGRAMS:**



**SIGNAL WORD:** WARNING

**HAZARD STATEMENTS:**

H335 - May cause respiratory irritation.  
 H227 - Combustible liquid.  
 H319 - Causes serious eye irritation.  
 H370 - Causes damage to organs.  
 H302 - Harmful if swallowed.  
 H302+H312+H332 - Harmful if swallowed, in contact with skin or if inhaled.  
 H373 - May cause damage to organs through prolonged or repeated exposure.  
 H315 - Causes skin irritation.  
 H226 - Flammable liquid and vapor.  
 H336 - May cause drowsiness or dizziness.  
 H312 - Harmful in contact with skin.  
 H314 - Causes severe skin burns and eye damage.  
 H331 - Toxic if inhaled.

**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.  
 P264 - Wash thoroughly after handling.  
 P280 - Wear protective gloves/protective clothing/eye protection/face protection.  
 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.  
 P271 - Use only outdoors or in a well-ventilated area.  
 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.

#### **POTENTIAL HEALTH EFFECTS:**

**EYES:** Primarily an irritant.

**SKIN:** Can cause skin irritation. Primarily an irritant.

**INGESTION:** Harmful if swallowed. Irritating to mouth, throat and stomach. No known significant effects or critical hazards.

**INHALATION:** Harmful if inhaled. May cause drowsiness and dizziness. Vapors may cause respiratory irritation. Aspiration hazard - can enter lungs and cause damage. No known significant effects or critical hazards.

### **3. COMPOSITION/INFORMATION ON INGREDIENTS**

<b><u>CHEMICAL NAME</u></b>	<b><u>CAS NUMBER</u></b>	<b><u>WEIGHT % (MAX)</u></b>
TITANIUM DIOXIDE	13463-67-7	26.05
ETHYLENE GLYCOL MONOBUTYL ETHER	111-76-2	9.43
TALC	14807-96-6	4.54
DIETHYLENE GLYCOL MONOBUTYL ETHER	112-34-5	4.13
sec-BUTYL ALCOHOL	78-92-2	4.11
DIMETHYLETHANOLAMINE	108-01-0	2.13
DIETHYLENE GLYCOL	111-46-6	1.24

### **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:** Dry chemical, CO<sub>2</sub>, water spray (fog) 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:** Avoid exposure to high temperatures. Do not allow to freeze. This product is stable under normal use and storage conditions. Keep out of reach of children.
- 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.

## 8. EXPOSURE CONTROLS\PERSONAL PROTECTION

<u>CHEMICAL NAME</u>	<u>CAS NUMBER</u>	<u>OEL</u>
TITANIUM DIOXIDE	13463-67-7	OSHA PEL 15 mg/m <sup>3</sup> (total dust)
ETHYLENE GLYCOL MONOBUTYL ETHER	111-76-2	OSHA PEL: 25 ppm, ACGIH TWA: 20 ppm
TALC	14807-96-6	OSHA PEL (TWA) 2 mg/m <sup>3</sup> Respirable Fraction
sec-BUTYL ALCOHOL	78-92-2	OSHA and ACGIH TWA: 100 pp m
DIMETHYLETHANOLAMINE	108-01-0	Contains no substances with occupational exposure limit values.
DIETHYLENE GLYCOL	111-46-6	US WEEL TWA 10 mg/m <sup>3</sup>

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> White liquid	<b>SPECIFIC GRAVITY:</b> 1.3250
<b>ODOR:</b> Characteristic of ammonia.	<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> 266 deg F	<b>SOLUBILITY IN WATER:</b> Completely soluble
<b>MELTING POINT:</b> No information available	<b>PARTITION COEFFICIENT:</b> No information available
<b>FREEZING POINT:</b> 32 deg F	<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> Not applicable
<b>VISCOSITY:</b> 30 - 34" #3 Zahn	<b>FLASH POINT &amp; METHOD:</b> Not applicable
<b>pH:</b> >8	

## 10. STABILITY AND REACTIVITY

- STABILITY:** Stable under normal conditions.
- POSSIBILITY OF REACTION:** Under normal conditions of storage and use, hazardous reactions will not occur.
- CONDITIONS TO AVOID:** Heat, flames and sparks. Extremes in temperature and direct sunlight.



## 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:** No  
**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:

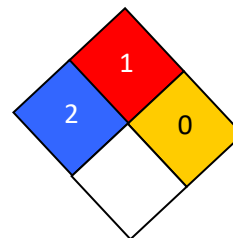
<u>CHEMICAL NAME</u>	<u>CAS NUMBER</u>
ETHYLENE GLYCOL MONOBUTYL ETHER	111-76-2
DIETHYLENE GLYCOL MONOBUTYL ETHER	112-34-5
sec-BUTYL ALCOHOL	78-92-2

## 16. OTHER INFORMATION

**REVISION DATE:** 09/05/2024

HMIS RATING	
Health :	2
Flammability :	1
Reactivity :	0
Personal Protection :	X

### NFPA CODES



**MANUFACTURER DISCLAIMER:** All information and data appearing on this Safety Data Sheet are believed to be reliable and accurate to the best of our knowledge at the date of publication. None of the provided information is to be considered a warranty or quality specification or all-inclusive and is given only as guidance. It is the user's responsibility to determine the safety of use, handling, storage, transportation, disposal and suitability for the intended utilization of the product. Unless otherwise specified, the data provided herein is valid only for the described material and may be not applicable for the product used in combination with any other materials or processes. RAE Products & Chemicals Corp. shall not be liable for any damage resulting from handling, contact, use or inability to use of this product. No guarantee, expressed or implied, is made by RAE Products & Chemicals Corp. and the user assumes all risk and responsibility.