



3555 West 123rd Street - Alsip, IL 60803

05/08/19

SAFETY DATA SHEET

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## SECTION 1. IDENTIFICATION

### PRODUCT INFORMATION

PRODUCT NUMBER : QALC-29-446-A  
PRODUCT NAME : MED.GRAY CHEM.RESIST RES.  
CHEMICAL NAME : ORGANIC COATING  
CHEMICAL FAMILY : PAINT

MANUFACTURER'S NAME: TMS Manufacturing-W C RICHARDS COMPANY  
3555 W 123rd Street  
Alsip, IL 60803

### INFORMATION TELEPHONE

US : 708-385-6633

### EMERGENCY TELEPHONE

US (CHEMTREC) : 800-424-9300  
CHEMTREC INT'L : 011-703-527-3887

## SECTION 2. HAZARD(S) IDENTIFICATION

### GHS CLASSIFICATION

Skin corrosion/irritation, Category 2  
Skin sensitization, Category 1  
Eye irritation, Category 2A

### LABEL ELEMENTS



SIGNAL WORDS: WARNING

### HAZARD STATEMENTS:

Causes skin irritation  
May cause an allergic skin reaction  
Causes serious eye irritation

**SECTION 2. HAZARD(S) IDENTIFICATION**

**PRECAUTIONARY STATEMENTS:**

Avoid breathing dust/fume/gas/mist/vapours/spray.  
Wash face, hands and any exposed skin thoroughly after handling.  
Contaminated work clothes should not leave the workplace.  
Wear protective gloves/protective clothing/eye and face protection  
IF ON SKIN: Wash with plenty of soap and water.  
If skin irritation or rash occurs: Get medical advice/attention.  
IF IN EYES: Rinse cautiously with water for several minutes.  
Remove contact lenses, if present and easy to do. Continue rinsing.  
If eye irritation persists: Get medical advice/attention.

**PREVENTION** : Keep away from heat and open flame.  
Use with adequate ventilation.  
**RESPONSE** : Wash thoroughly after handling.  
**DISPOSAL** : Dispose of in accordance with all local, regional,  
national, and international regulations.

**SPECIAL PACKAGING REQUIREMENTS**  
Not applicable

**OTHER HAZARDS**

None known

**SECTION 3. COMPOSITION, INFORMATION ON INGREDIENTS**

**\*M I X T U R E\***

<b>INGREDIENT DESCRIPTION</b>	<b>CAS NUMBER</b>	<b>PERCENT BY WEIGHT</b>
EPOXY RESIN	28064-14-4	51.8 - 64.2
TITANIUM DIOXIDE	13463-67-7	11.8 - 14.7
MICROCRYSTALLE AMOR. SILICA	14808-60-7	10.0 - 12.4
GLYCIDYL ETHER	2210-79-9	6.7 - 8.3
PHENYLMETHYLALCL2HYDROXYTOLUENE	100-51-6	2.3 - 2.8

SEE SECTION 8 FOR EXPOSURE LIMITS

**SECTION 4. FIRST AID MEASURES**

**EMERGENCY AND FIRST AID PROCEDURES:**

**INHALATION** Move to fresh air. If breathing stops, apply artificial respiration and seek immediate medical attention.  
**EYE CONTACT** Flush with large quantities of water for 15 minutes.  
**SKIN CONTACT** Wash thoroughly with soap and water and see a doctor.  
**INGESTION** Do not induce vomiting. Contact physician or poison control center immediately.

**MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND CHRONIC**

**SECTION 4. FIRST AID MEASURES**

RECOMMENDATIONS FOR IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

**SECTION 5. FIRE-FIGHTING MEASURES**

FLASH POINT: 201 (deg F)                      LEL:                      UEL:

EXTINGUISHING MEDIA: Foam, CO2, Dry Chemical, Water Fog.

## UNUSUAL FIRE AND EXPLOSION DATA:

Do not mix with acid or caustic materials. Keep away from Heat, Sparks, Open Flame, Electrical Equipment, etc.

## SPECIAL FIREFIGHTING PROCEDURES:

Exclude air from fire. Respiratory equipment should be worn to avoid inhalation of vapors.

**SECTION 6. ACCIDENTAL RELEASE MEASURES**

## STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

Remove all sources of ignition (heat, sparks, open flame). Avoid breathing vapors. Ventilate area. Contain and clean up spills with non sparking tools, rags, etc. Use inert absorbent materials on small spills or residuals of large spills.

## WASTE DISPOSAL METHOD:

Dispose of in accordance with local, state, and federal regulations.

**SECTION 7. HANDLING AND STORAGE****PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:**

Use non-sparking tools when handling this material. Avoid hot surfaces. Use in cool, well-ventilated areas. Keep containers closed when not in use. Keep away from excessive heat and open flames. Avoid prolonged or repeated contact with the skin. Normally accepted grounding techniques are to be employed during all phases of handling and application.

**OTHER PRECAUTIONS:**

No Smoking in areas where this material is used. Plastic Utensils should not be used. Do not weld or flame cut on an "empty drum". Keep containers closed and upright when not in use. If the painted surface is to be welded, use a fan across the work area to prevent fumes from rising to the welder's face. Pump air into welder's hood to provide positive air pressure to prevent fumes from getting to welder. Maintain good personal hygiene and plant housekeeping.

This coating may contain materials classified as nuisance particulates which may be present at hazardous levels only during sanding or abrading of the dried film.

**SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

**CONTROL PARAMETERS**

INGREDIENT DESCRIPTION	CAS NUMBER	EXPOSURE LIMITS
TITANIUM DIOXIDE	13463-67-7	ACGIH: 10.00 mg/m3 OSHA: 15.00 mg/m3
MICROCRYSTALLE AMOR. SILICA	14808-60-7	ACGIH: .05 mg/m3 RD OSHA: 10.00 mg/m3

**EXPOSURE CONTROLS**

**RESPIRATORY PROTECTION:**

Provide NIOSH/MSHA approved organic vapor canister respirators where oxygen content is adequate and where airborne mists and vapor concentrations are above the time-weighted threshold limit values. When using in poorly ventilated and confined spaces, use a fresh air supply respirator or a self-contained breathing apparatus.

**VENTILATION:**

Mechanical ventilation or local exhaust must be used to keep vapor concentrations below TLV. All ventilation equipment must be explosion proof.

**PROTECTIVE GLOVES:**

Impermeable chemical handling gloves for skin protection.

**EYE PROTECTION:**

Use chemical safety glasses with side shields or goggles or faceshields.

**OTHER PROTECTIVE EQUIPMENT:**

Use impermeable aprons and protective clothing whenever possible to prevent skin contact. The use of headcaps wherever possible is recommended.



**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

BOILING POINT	: 392 (deg F)	% VOLATILE-VOLUME:	1.423
VAPOR DENSITY	: THAN AIR	% NVM-WEIGHT	: 99.205
EVAPORATION RATE:	THAN BU AC	% NVM-VOLUME	: 98.577
WEIGHT/GALLON	: 11.982	VOC (lb/gl)	: 0.091
		pH	: N/A

**SECTION 10. STABILITY AND REACTIVITY**

STABILITY: Stable

HAZARDOUS POLYMERIZATION: Will not occur.

HAZARDOUS DECOMPOSITION PRODUCTS:

Thermal Decomposition may yield Carbon Monoxide, Carbon Dioxide, and other hazardous products.

CONDITIONS TO AVOID:

Heat, Sparks, Open Flame, Electrical Equipment, Fire, Acids, Caustics, etc.

INCOMPATIBILITY (MATERIALS TO AVOID):

Acids, Alkaline Materials and Oxidizers.  
Decomposition gives off toxic fumes.

**SECTION 11. TOXICOLOGICAL INFORMATION**

INGREDIENT DESCRIPTION	CAS NUMBER	TOXICOLOGICAL DATA
EPOXY RESIN	28064-14-4	LD50: LD50 >2000 mg/kg RAT LC50: LC50 N.E. LD50 DERM >2000 mg/kg RAB
TITANIUM DIOXIDE	13463-67-7	LD50: >5000mg/kg (Rat) LC50: 682 mg/L (Rat)
MICROCRYSTALLE AMOR. SILICA	14808-60-7	LD50: LD50 >22,500mg/kg Rat
GLYCIDYL ETHER	2210-79-9	LD50: >5500 mg/kg rat(oral) LC50: >1000 ppm 4hr Rat (inhalation) LD50 >2000 mg/kg Rabbit (dermal) LC50 1-10 mg/l fish EC50 1-10 mg/l daphnia magna EC50 >100mg/l Algae
PHENYLMETHYLALC2HYDROXYTOLUENE	100-51-6	LD50: LD50 1230 mg/kg RAT LC50: LC50 8800 mg/kg/4hr RAT LC50 DERMAL > 2000 mg/kg RAT

**TARGET ORGANS:**

lungs, skin, mucous membrane, respiratory system, central nervous system, eyes, blood, liver, kidney

**ROUTES OF ENTRY AND ACUTE EFFECTS OF EXPOSURE:**

CONTACT Direct contact with this product may cause:  
eye irritation, skin irritation, dermatitis

INHALATION If inhaled, may cause:  
lung fibrosis, fibrotic pneumoconiosis,  
mucous membrane irritation, silicosis, cancer,  
central nervous system effects, dizziness, headache, nausea,  
respiratory irritation, central nervous system depression,  
toxic effects

INGESTION If swallowed, may cause:  
gastrointestinal tract, irritation, nausea, vomiting,

**SECTION 11. TOXICOLOGICAL INFORMATION**

intestinal tract irritation, hemoglobinuria,  
central nervous system depression, kidney damage  
ABSORPTION If absorbed, may cause:  
systemic toxicity

PRIMARY ROUTES OF ENTRY: Dermal, Inhalation, Ingestion, Absorption.

MEDICAL CONDITIONS PRONE TO AGGRAVATION BY EXPOSURE:  
Anesthesia, respiratory tract irritation, dermatitis, nausea, vomiting.

CHRONIC EFFECTS OF OVEREXPOSURE:  
silicosis, cancer, dermatitis, brain damage, central nervous system effects

**CARCINOGENICITY:**

This product contains the following ingredient(s) at levels greater than or equal to 0.1% that have been identified as probable, possible, or confirmed human carcinogens by IARC, NTP, or OSHA

CAS NUMBER	IARC	NTP	OSHA	AGENT
98-82-8	2B	N	N	Cumene
71-43-2	1	K	N	Benzene

**SECTION 12. ECOLOGICAL INFORMATION**

No ecotoxicological studies are available.

**SECTION 13. DISPOSAL CONSIDERATIONS**

WASTE DISPOSAL METHOD:  
Dispose of in accordance with local, state, provincial, and federal regulations.

**SECTION 14. TRANSPORT INFORMATION**

**UN PROPER SHIPPING NAME**

NOT REGULATED

**SECTION 15. REGULATORY INFORMATION**

**SECTION 313 SUPPLIER NOTIFICATION**

This product contains the following toxic chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and of 40 CFR 372:

CHEMICAL NAME	CAS NUMBER	WEIGHT PERCENT

**SECTION 15. REGULATORY INFORMATION**

None Known

**HAZARDOUS AIR POLLUTANTS**

This product contains the following chemical(s) which are on the list of hazardous air pollutants under Section 112(b) of the Clean Air Act.

CHEMICAL NAME	CAS NUMBER	WEIGHT PERCENT
None Known		

**CALIFORNIA PROPOSITION 65**



**WARNING:**

This product can expose you to chemical(s) which is known to the state of California to cause cancer. For more information, go to [www.P65 warnings.ca.gov](http://www.P65 warnings.ca.gov)

CHEMICAL NAME	CAS NUMBER
None Known	

**WARNING:**

This product can expose you to chemical(s) which is known to the state of California to cause birth defects or other reproductive harm. For more information, go to [www.P65 warnings.ca.gov](http://www.P65 warnings.ca.gov)

CHEMICAL NAME	CAS NUMBER
None Known	

**SECTION 16. OTHER INFORMATION**

HMIS RATING: HFR PP	ISSUE DATE	PRINT DATE
	02/21/19	05/08/19

**DISCLAIMER OF LIABILITY**

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