E61 R C22

# MATERIAL SAFETY DATA SHEET

6 FOR COATINGS, RESINS AND RELATED MATERIALS

(Approved by U.S. Department of Labor 'Essentially Similar' to form OSHA-20)

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## Section I -- PRODUCT IDENTIFICATION

PRODUCT NUMBER
E61 R C22

* - Trade Mark

PRODUCT NAME
Catalyzed Epoxy Primer (Part A), Red Oxide.

PRODUCT CLASS
Pigmented component for 2-package Epoxy Coating

## Section II -- HAZARDOUS INGREDIENTS

| CAS No. | INGREDIENT | % by WEIGHT | ACGIH-TLV | OSHA-PEL | UNITS | V.P. |
|---|---|---|---|---|---|---|
| 108-88-3 | Toluene. | 5 | 100 | 200 | PPM | 22.0 |
| 67-63-0 | 2-Propanol | <5 | 400 | 400 | PPM | 33.0 |
| 71-36-3 | 1-Butanol | 5 | 50 | 100 | PPM | 5.5 |
| 1320-67-8 | Methoxypropanol | 15 | 100 | | PPM | 10.9 |
| 78-93-3 | Methyl Ethyl Ketone. | <5 | 200 | 200 | PPM | 70.0 |
| 110-19-0 | Isobutyl Acetate. | <5 | 150 | 150 | PPM | 12.5 |
| 628-63-7 | Amyl Acetate. | <5 | 100 | | PPM | 4.0 |
| Not avail. | Epoxy Polymer. | 30 | Not Established | | | |
| 7789-06-2 | Strontium Chromate. <I> | 5 | 0.05 | | Mg/M3 | |

< > Ingredient is an IARC<I>, NTP<N> or OSHA<O> listed carcinogen

Chromium VI (as Cr) 1.47 0.05 Mg/M3

## Section III -- PHYSICAL DATA

EVAPORATION RATE -- Slower than Ether
VAPOR DENSITY -- Heavier than Air

| BOILING RANGE (F) | % VOLATILE VOLUME | WT/GAL |
|---|---|---|
| 174 - 306 | 56.0 | 10.60 |

## Section IV -- FIRE AND EXPLOSION HAZARD DATA

FLAMMABILITY CLASSIFICATION FLASH POINT 40 F PMCC LEL 1.0
RED LABEL -- Flammable, Flash below 100 F

EXTINGUISHING MEDIA
Carbon Dioxide, Dry Chemical, Foam

UNUSUAL FIRE AND EXPLOSION HAZARDS
Keep containers tightly closed. Isolate from heat, electrical equipment, sparks, and open flame. Closed containers may explode when exposed to extreme heat. Application to hot surfaces requires special precautions. During emergency conditions overexposure to decomposition products may cause a health hazard. Symptoms may not be immediately apparent. Obtain medical attention.

SPECIAL FIRE FIGHTING PROCEDURES
Full protective equipment including self-contained breathing apparatus should be used. Water spray may be ineffective. If water is used, fog nozzles are preferable. Water may be used to cool closed containers to prevent pressure build-up and possible autoignition or explosion when exposed to extreme heat.

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## Section V -- HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE -- See Section II

EFFECTS OF OVEREXPOSURE

ACUTE: Overexposure causes eye, skin and respiratory irritation. May cause nervous system depression accompanied by headache, dizziness, nausea, confusion and staggering gait. Extreme overexposure may result in unconsciousness and possibly death. May cause allergic skin reaction in susceptible persons.

CHRONIC: Studies have associated exposure to Chromium VI compounds with an increased risk of respiratory cancer. Prolonged overexposure to ingredients in Section II may cause adverse effects to the liver, urinary, blood forming, cardio-vascular, respiratory, and reproductive systems. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

EMERGENCY AND FIRST AID PROCEDURES

If INHALED: If affected, remove from exposure. Restore breathing. Keep warm and quiet.

If on SKIN: Wash affected area thoroughly with soap and water. Remove contaminated clothing and launder before re-use.

If in EYES: Flush eyes with large amounts of water for 15 minutes. Get medical attention.

## Section VI -- REACTIVITY DATA

STABILITY -- Stable

HAZARDOUS DECOMPOSITION PRODUCTS
By fire: Carbon Dioxide, Carbon Monoxide, Oxides of Metals in Section II

HAZARDOUS POLYMERIZATION -- Will Not Occur

## Section VII -- SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED
Remove all sources of ignition. Ventilate and remove with inert absorbent.

WASTE DISPOSAL METHOD
Waste from this product may be hazardous as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261. Waste must be tested for ignitability and extractability to determine the applicable EPA hazardous waste numbers.
Incinerate in approved facility. Do not incinerate closed container. Dispose of in accordance with Federal, State, and Local regulations regarding pollution.

## Section VIII -- PROTECTION INFORMATION

PRECAUTIONS TO BE TAKEN IN USE
Use only with adequate ventilation. Avoid breathing vapor or spray mist. Do not get in eye or on skin.
Protect against hazardous dust or fumes which may be generated by sanding, wirebrushing, abrading, burning, brazing or welding of the dried film.

VENTILATION
Local exhaust preferable. General exhaust acceptable if the exposure to materials in Section II is maintained below applicable exposure limits. Refer to OSHA Standards 1910.94, 1910.107, 1910.108.

RESPIRATORY PROTECTION
If personal exposure cannot be controlled below applicable limits by ventilation, wear respiratory device approved by NIOSH/MSHA for protection against materials in Section II.

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PROTECTIVE GLOVES
Wear gloves which are recommended by glove supplier for protection against materials in Section II.

EYE PROTECTION
Wear safety spectacles with unperforated sideshields.

OTHER PROTECTIVE EQUIPMENT
Use of barrier cream on exposed skin is recommended.

## Section IX -- PRECAUTIONS

DOL STORAGE CATEGORY -- 1B

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING
Contents are FLAMMABLE. Keep away from heat, sparks, and open flame.
During use and until all vapors are gone: Keep area ventilated - Do not smoke - Extinguish all flames, pilot lights, and heaters - Turn off stoves, electric tools and appliances, and any other sources of ignition.
Consult NFPA Code. Use approved Bonding and Grounding procedures.
Keep container closed when not in use. Transfer only to approved containers with complete and appropriate labeling. Do not take internally. Keep out of the reach of children.

OTHER PRECAUTIONS
This coating contains materials classified as nuisance particulates, for example titanium dioxide, calcium carbonate, etc. (see ACGIH TLV List, Preface and Appendix D), which may be present at hazardous levels only during sanding or abrading of the dried film.
This product must be mixed with other components before use. Before opening the packages, READ AND FOLLOW WARNING LABELS ON ALL COMPONENTS.

Intentional misuse by deliberately concentrating and inhaling the contents can be harmful or fatal.

**HMIS**

| | |
|---|---|
| HEALTH | 2* |
| FLAMMABILITY | 3 |
| REACTIVITY | 0 |

**V66 T C1 (Part B) Catalyst on reverse.**

The above information pertains to this product as currently formulated, and is based on the information available at this time. Addition of reducers or other additives to this product may substantially alter the composition and hazards of the product. Since conditions of use are outside our control, we make no warranties, express or implied, and assume no liability in connection with any use of this information.