



Material Safety Data Sheet

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MACROPOXY® High Solids Epoxy Mastic Coating

B58-400

| — Section 2 — | | ACGIH | OSHA | Units | Vapor | B58W401 | B58W402 | B58W403 | B58T404 | B58A400 | B58B411 | B58R438 | B58S400 | B58W400 | B58Y400 | B58Y437 | B58V400 | |
|---------------|---|-----------------|---------------|--------------------------------------|---------------------|--|-----------------|------------------|-------------------|------------|------------|---------------|------------|----------------|------------|------------------|--------------------|------------|
| CAS No. | Hazardous Ingredients (percent by weight) | TLV <STEL> | PEL <STEL> | | Pressure (mm Hg) | Pure White | Midtone Base | Deeptone Base | Ultradeep Base | Gray | Black | Safety Red | Aluminum | Ultra White | Primer | Safety Yellow | Part B Hardener | |
| 108-65-6 | 1-Methoxy-2-Propanol Acetate | Not Established | | | 1.8 | less than 3% may be added due to tinting | | | | | | | | | | | | |
| 64742-88-7 | Mineral Spirits. | 100 | 100 | PPM | 2.0 | less than 3% may be added due to tinting | | | | | | | | | | | | |
| 100-41-4 | § Ethylbenzene | 100 <125> | 100 <125> | PPM | 7.1 | | | | | | | | 2 | | | | | |
| 1330-20-7 | § Xylene. | 100 <150> | 100 <150> | PPM | 5.9 | 3 | 3 | 3 | 2 | 2 | 2 | 5 | 9 | 3 | 3 | 4 | 2 | |
| 64742-95-6 | Light Aromatic Hydrocarbons. | Not Established | | | 3.8 | 1 | 1 | 1 | 2 | 1 | | 1 | | | 1 | 1 | 1 | |
| 108-67-8 | 1,3,5-Trimethylbenzene | 25 | 25 | PPM | 10.0 | 1 | 2 | 1 | 2 | 2 | 1 | 1 | | | 2 | 2 | 2 | |
| 95-63-6 | § 1,2,4-Trimethylbenzene | 25 | 25 | PPM | 2.0 | 2 | 2 | 2 | 3 | 2 | 2 | 2 | | | 3 | 3 | 2 | |
| 2807-30-9 | 2-Propoxyethanol | Not Established | | | 1.3 | 3 | 4 | 3 | | 3 | 4 | 4 | | 3 | 3 | 4 | 3 | |
| 100-51-6 | Phenylmethanol | Not Established | | | 0.2 | | | | | | | | | | | | 12 | |
| 84-74-2 | § Dibutyl Phthalate. | 5 | 5 | Mg/M3 | | 3 | 4 | 3 | 4 | 3 | | 4 | 7 | 3 | 3 | 4 | | |
| Unknown | Epoxy Polymer. | Not Established | | | | 48 | 54 | 48 | 57 | 48 | 59 | 61 | 59 | 42 | 48 | 54 | | |
| Unknown | Polyamine. | Not Established | | | | | | | | | | | | | | | 29 | |
| 14807-96-6 | Talc | 2 | 2 | Mg/M3 as Resp. Dust | | 4 | 7 | 12 | 14 | 8 | 5 | 5 | 5 | | 8 | 5 | 26 | |
| 7727-43-7 | Barium Sulfate [% Ba] | 10 | 10[5] | Mg/M3 [Resp. Fraction] | | | | | | 13 [7.4] | | | | | | | | |
| 13463-67-7 | Titanium Dioxide. | 10 | 10[5] | Mg/M3 as Dust [Resp. Fraction] | | 30 | 14 | 9 | | 13 | | 3 | | 44 | 17 | 11 | | |
| 1333-86-4 | Carbon Black. | 3.5 | 3.5 | Mg/M3 | | 0-2 | 0-2 | 0-2 | 0-2 | 0.4 | 4 | | | | | | | |
| | Weight per Gallon (lbs.) | | | | | | 11.92 | 10.78 | 11.36 | 10.34 | 11.84 | 11.00 | 9.77 | 9.85 | 13.50 | 11.81 | 10.50 | 11.61 |
| | Solids by Weight (%) | | | | | | 87.3 | 84.8 | 86.4 | 84.6 | 87.1 | 89.4 | 84.7 | 83.6 | 91.2 | 86.2 | 84.6 | 76.8 |
| | Solids by Volume (%) | | | | | | 79.1 | 77.4 | 78.8 | 78.1 | 78.9 | 84.0 | 79.5 | 76.6 | 83.8 | 77.7 | 77.7 | 65.9 |
| | VOC (Volatile Organic Compounds) - lbs./gal. | | | | | | 1.51 | 1.63 | 1.54 | 1.59 | 1.52 | 1.16 | 1.49 | 1.61 | 1.18 | 1.63 | 1.62 | 2.69 |
| | Photochemically Reactive | | | | | | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| | Flash Point (*F) | | | | | | 100 | 100 | 100 | 100 | 80 | 80 | 100 | 100 | 100 | 100 | 100 | 80 |
| | DOL Storage Category | | | | | | 2 | 2 | 2 | 2 | 1C | 1C | 2 | 2 | 2 | 2 | 2 | 1C |
| | Flammability Classification (Flammable - Combustible) | | | | | | Comb. | Comb. | Comb. | Comb. | Fiam. | Fiam. | Comb. | Comb. | Comb. | Comb. | Comb. | Fiam. |
| | HMIS (NFPA) Rating (health - flammability - reactivity) | | | | | | 3* - 2 - 0 | 3* - 2 - 0 | 3* - 2 - 0 | 3* - 2 - 0 | 3* - 3 - 0 | 3* - 3 - 0 | 3* - 2 - 0 | 2* - 2 - 1 | 2* - 2 - 0 | 3* - 2 - 0 | 3* - 2 - 0 | 3* - 3 - 0 |

§ Ingredient subject to the reporting requirements of the Superfund Amendments and Reauthorization Act (SARA) Section 313, 40 CFR 372.65 C

→→→ MSDS Text Page Follows →→→

Section 3 — Physical Data

| | | | |
|------------------|------------|---------------------|-------------------|
| PRODUCT WEIGHT* | See TABLE | EVAPORATION RATE | Slower than Ether |
| SPECIFIC GRAVITY | 1.18-1.62 | VAPOR DENSITY | Heavier than Air |
| ROLLING RANGE | 277-395 °F | MELTING POINT | N.A. |
| VOLATILE VOLUME | 16-34 % | SOLUBILITY IN WATER | N.A. |

Section 4 — Fire And Explosion Hazard Data

| | | | | | | |
|-----------------------------|-------------|-----------|-----|-----|-----|------|
| FLAMMABILITY CLASSIFICATION | FLASH POINT | See TABLE | LEL | 0.7 | UEL | 15.8 |
|-----------------------------|-------------|-----------|-----|-----|-----|------|

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 at 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 PRECAUTIONS

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.

Section 5 — Health Hazard Data

MODES OF EXPOSURE

Exposure may be by INHALATION and/or SKIN or EYE contact, depending on conditions of use. To minimize exposure, follow recommendations for proper use, ventilation, and personal protective equipment.

ACUTE Health Hazards

IRITATION OF EYES/RESPIRATORY

Irritation of eyes, skin and respiratory system. May cause nervous system depression. Extreme overexposure may result in unconsciousness and possibly death.

SKIN AND STIMULUS OF OVEREXPOSURE

Headache, dizziness, nausea, and loss of coordination are indications of excessive exposure to vapors or spray mists.

REDNESS AND ITCHING OR BURNING SENSATION

Redness and itching or burning sensation may indicate eye or excessive skin exposure. None generally recognized.

ANNOYANCE AND IRRITATION AND SENSITIZATION

IF IRRITATED: Wash affected area thoroughly with soap and water. Keep warm and quiet.

IF ON SKIN: Remove contaminated clothing and launder before re-use.

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

CHRONIC Health Hazards

Carbon black is classified by IARC as possibly carcinogenic to humans (Group 2B) based on experimental animal data, however, there is insufficient evidence in humans for its carcinogenicity.

Prolonged overexposure to solvent ingredients in Section 2 may cause adverse effects to the liver, urinary, nervous, and reproductive systems.

Males exposed to titanium dioxide dust at 250 mg/m³ developed lung cancer, however, such exposure levels are not attainable in the workplace.

Reporters have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Section 6 — Reactivity Data

STABILITY — Stable

COMPOSITION TO AVOID

None Known.

INTERACTIVITY

None Known.

HAZARDOUS DECOMPOSITION PRODUCTS

By fire: Carbon dioxide, Carbon Monoxide, Oxides of Metals in Section 2

HAZARDOUS POLYMERIZATION — Will Not Occur

Section 7 — 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 these products may be hazardous as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261. Waste must be tested for ignitability to determine the applicable EPA hazardous waste number.

Incorporate in approved facility. Do not incinerate closed container. Dispose of in accordance with Federal, State, and local regulations regarding pollution.

Section 8 — Protection Information

PRECAUTIONS TO BE TAKEN IN USE

Use only with adequate ventilation. Avoid breathing vapor and spray mist. Avoid contact with skin and eyes. Wash hands after using.

These coatings may contain materials classified as nuisance particulates (listed "as dust" in Section 2) which may be present at hazardous levels only during sanding or abrading of the dried film. If no specific data are listed in Section 2, the applicable limits for nuisance dusts are ACGIH TLV 10 mg/m³ (total dust), 3 mg/m³ (respirable fraction), OSHA PEL 15 mg/m³ (total dust), 5 mg/m³ (respirable fraction).

VENTILATION

Local exhaust preferable. General exhaust acceptable if the exposure to materials in Section 2 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 a properly fitted organic vapor/particulate respirator approved by NIOSH/MSHA for protection against materials in Section 2.

When sanding or abrading the dried film, wear a dust/mist respirator approved by NIOSH/MSHA for dust which may be generated from this product, underlying paint, or the abrasive.

PROTECTIVE GLOVES

Wear gloves which are recommended by glove supplier for protection against materials in Section 2.

EYE PROTECTION

Wear safety spectacles with unperforated side shields.

Section 9 — Precautions

DUL STORAGE CATEGORY — See TABLE

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

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

These products may 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.

Section 10 — Other Regulatory Information

CALIFORNIA PROPOSITION 65

WARNING: These products, except for B58-400, contain chemicals known to the State of California to cause cancer. B58-400 contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

TSCA CERTIFICATION

All chemicals in these products are listed, or are exempt from listing, on the TSCA Inventory.

The above information pertains to these products as currently formulated, and is based on the information available at this time. Addition of reducers or other additives to these products 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.