CROSSFIRE® Acrylic Primer-Surfacer, Gray

Material Safety Data Sheet

Section 1 - Product and Company Identification

PRODUCT NUMBER
15200

PRODUCT NAME
CROSSFIRE® Acrylic Primer-Surfacer, Gray

MANUFACTURER'S NAME
MARTIN SENOUR PAINTS
4440 Warrensville Center Road
Warrensville Hts., OH 44128-2837

DATE OF PREPARATION
28-JUL-03

Section 2 - Composition/Information on Ingredients

% by WT       CAS No.  INGREDIENT             UNITS          VAPOR PRESSURE
28        108-88-3  Toluene             ACGIH TLV  50 ppm (skin)                  22 mm
          OSHA PEL  100 ppm (skin)
          OSHA PEL  150 ppm (skin) STEL
0.6      100-41-4  Ethylbenzene       ACGIH TLV  100 ppm                           7.1 mm
          ACGIH TLV  125 ppm STEL
          OSHA PEL  100 ppm
          OSHA PEL  125 ppm STEL
4        1330-20-7  Xylene             ACGIH TLV  100 ppm                           5.9 mm
          ACGIH TLV  150 ppm STEL
          OSHA PEL  100 ppm
          OSHA PEL  150 ppm STEL
4        67-63-0  2-Propanol          ACGIH TLV  400 ppm                          33 mm
          ACGIH TLV  500 ppm STEL
          OSHA PEL  400 ppm
          OSHA PEL  500 ppm STEL
7        110-19-0  Isobutyl Acetate   ACGIH TLV  150 ppm                          12.5 mm
          OSHA PEL  150 ppm
31       14807-96-6  Talc              ACGIH TLV  2 mg/m3 as Resp. Dust
          OSHA PEL  2 mg/m3 as Resp. Dust

Section 3 - Hazards Identification

ROUTES OF EXPOSURE
INHALATION of vapor or spray mist.
EYE or SKIN contact with the product, vapor or spray mist.

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

SIGNS AND SYMPTOMS 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 may indicate eye or excessive skin exposure.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE
None generally recognized.

CANCER INFORMATION
For complete discussion of toxicology data refer to Section 11.

Section 4 - First Aid Measures

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.
If SWALLOWED:  Do not induce vomiting. Get medical attention immediately.

Section 5 - Fire Fighting Measures

FLASH POINT                        LEL      UEL
40 F PMCC                      1.0     12.7

FLAMMABILITY CLASSIFICATION
RED LABEL -- Flammable, Flash below 100 F

EXTINGUISHING MEDIA
Carbon Dioxide, Dry Chemical, Foam

UNUSUAL FIRE AND EXPLOSION HAZARDS
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.

3        471-34-1  Calcium Carbonate
          ACGIH TLV  10 mg/m3 as Dust
          OSHA PEL  15 mg/m3 Total Dust
          OSHA PEL  5 mg/m3 Respirable Fraction
5        13463-67-7  Titanium Dioxide
          ACGIH TLV  10 mg/m3 as Dust
          OSHA PEL  10 mg/m3 Total Dust
          OSHA PEL  5 mg/m3 Respirable Fraction
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.

Section 6 - Accidental Release Measures

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Remove all sources of ignition. Ventilate the area.

Remove with inert absorbent.

Section 7 - Handling and Storage

STORAGE CATEGORY
DOL Storage Class IB

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE

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.

Section 8 - Exposure Controls/Personal Protection

PRECAUTIONS TO BE TAKEN IN USE

Use only with adequate ventilation.

Avoid contact with skin and eyes. Avoid breathing vapor and spray mist. Wash hands after using.

This coating 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 dusts 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 sideshields.

OTHER PRECAUTIONS

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

Section 9 - Physical and Chemical Properties

PRODUCT WEIGHT
10.42 lb/gal 1248 g/l

SPECIFIC GRAVITY
1.25

BOILING POINT
178 - 292 F 81 - 144 C

MELTING POINT
Not Available

VOLATILE VOLUME
64 %

EVAPORATION RATE
Slower than ether

VAPOR DENSITY
Heavier than air

SOLUBILITY IN WATER
N.A.

VOLATILE ORGANIC COMPOUNDS (VOC Theoretical)
4.58 lb/gal 549 g/l Less Water and Federally Exempt Solvents
4.58 lb/gal 549 g/l Emitted VOC

Section 10 - Stability and Reactivity

STABILITY -- Stable

CONDITIONS TO AVOID
None known.

INCOMPATIBILITY
None known.

HAZARDOUS DECOMPOSITION PRODUCTS

By fire: Carbon Dioxide, Carbon Monoxide

HAZARDOUS POLYMERIZATION

Will not occur

Section 11 - Toxicological Information

CHRONIC HEALTH HAZARDS

Ethylbenzene is classified by IARC as possibly carcinogenic to humans (2B) based on inadequate evidence in humans and sufficient evidence in laboratory animals. Lifetime inhalation exposure of rats and mice to high ethylbenzene concentrations resulted in increases in certain types of cancer, including kidney tumors in rats and lung and liver tumors in mice. These effects were not observed in animals exposed to lower concentrations. There is no evidence that ethylbenzene causes cancer in humans.

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

Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.
## Section 12 - Ecological Information

**ECOTOXICOLOGICAL INFORMATION**

No data available.

## Section 13 - Disposal Considerations

**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 to determine the applicable EPA hazardous waste numbers.

Incinerate in approved facility. Do not incinerate closed container. Dispose of in accordance with Federal, State/Provincial, and Local regulations regarding pollution.

## Section 14 - Transport Information

No data available.

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## Section 15 - Regulatory Information

**SARA 313 (40 CFR 372.65C) SUPPLIER NOTIFICATION**

<table>
<thead>
<tr>
<th>CAS No.</th>
<th>CHEMICAL/COMPOUND</th>
<th>% by WT</th>
<th>% Element</th>
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<tbody>
<tr>
<td>108-88-3 Toluene</td>
<td>28</td>
<td></td>
<td></td>
</tr>
<tr>
<td>100-41-4 Ethylbenzene</td>
<td>0.6</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1330-20-7 Xylene</td>
<td>4</td>
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**CALIFORNIA PROPOSITION 65**

**WARNING:** This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

**TSCA CERTIFICATION**

All chemicals in this product are listed, or are exempt from listing, on the TSCA Inventory.

**Section 16 - Other Information**

This product has been classified in accordance with the hazard criteria of the CFR and the MSDS contains all of the information required by the CFR.

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.