

Mobile Paint Mfg. Co., Inc.

SAFETY DATA SHEET

OSHA HCS (29 CFR 1910-1200)

SECTION 1 - PRODUCT AND MANUFACTURER IDENTIFICATION

Product Name: MOPOXY HS CATALYST Product Code: 613-99B

Mobile Paint Mfg. Co., Inc.
P.O. Box 717
4775 Hamilton Blvd.
Theodore, AL 36582

Emergency Phone: Chemtel, Inc
1-800-255-3924
+1-813-248-0585
(Chemtel 24 Hour Emergency Number)

Information Phone: 251-443-6110
FAX: 251-408-0410

Product Use: Paint
Not recommended for: Contact Manufacturer

SECTION 2 - HAZARD DATA

GHS Ratings:

| | | |
|------------------|---|---|
| Flammable liquid | 3 | Flash point $\geq 23^{\circ}\text{C}$ and $\leq 60^{\circ}\text{C}$ (140°F) |
| Skin corrosive | 3 | Reversible adverse effects in dermal tissue, Draize score: $\geq 1.5 < 2.3$ |
| Carcinogen | 2 | Limited evidence of human or animal carcinogenicity |

GHS Hazards

| | |
|------|-----------------------------|
| H226 | Flammable liquid and vapour |
| H316 | Causes mild skin irritation |
| H351 | Suspected of causing cancer |

GHS Precautions

| | |
|----------------|---|
| P201 | Obtain special instructions before use |
| P202 | Do not handle until all safety precautions have been read and understood |
| P210 | Keep away from heat/sparks/open flames/hot surfaces – No smoking |
| P233 | Keep container tightly closed |
| 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 |
| P280 | Wear protective gloves/protective clothing/eye protection/face protection |
| P281 | Use personal protective equipment as required |
| P303+P361+P353 | IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower |
| P308+P313 | IF exposed or concerned: Get medical advice/attention |
| P332+P313 | IF skin irritation occurs: Get medical advice/attention |
| P370+P378 | In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction |
| P405 | Store locked up |
| P403+P235 | Store in a well ventilated place. Keep cool |
| P501 | Dispose of contents/container in accordance with all local, regional, national and international regulations. |

Signal Word: Warning



SECTION 3 - COMPOSITION / HAZARDOUS INGREDIENTS

| Chemical Name | CAS number | Weight Concentration % |
|--|------------|------------------------|
| ethyl benzene | 100-41-4 | 0.71% |
| methyl isobutyl ketone | 108-10-1 | 10.40% |
| xylene, mixed isomers | 1330-20-7 | 7.10% |
| bisphenol A diglycidyl ether polymer | 25068-38-6 | 60.00% - 70.00% |
| formaldehyde, polymer with 1,3-dimethylbenzene | 26139-75-3 | 5.00% - 10.00% |
| 2-propoxy-ethanol | 2807-30-9 | 1.00% - 5.00% |
| silicon dioxide, synthetic, crystalline-free | 67762-90-7 | 1.00% - 5.00% |

SECTION 4 - FIRST AID MEASURES

Inhalation: Remove to fresh air. Administer oxygen if breathing is difficult. Restore breathing if necessary and call a physician immediately. Treat symptomatically.

Eyes: Remove contact lenses if worn. Flush immediately with large amounts of water for at least 15 minutes. If symptoms persist, consult with a doctor for medical treatment.

Skin: Wash affected areas with soap and water. Remove and launder contaminated clothing. Consult a doctor if skin irritation continues.

Ingestion: Do not induce vomiting. Rinse out mouth and drink plenty of water to dilute. Never give anything by mouth to an unconscious person. Get medical help immediately.

Most important symptoms and effects, both acute and delayed

Symptoms: No information available.

Indication of any immediate medical attention and special treatment needed

Note to physicians: Treat symptomatically

SECTION 5 - FIRE FIGHTING MEASURES

Flash Point: 31 C (88 F)

LEL: 1.00

UEL: 16.00

Extinguishing media

Suitable extinguishing agents:

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. CO₂, extinguishing powder or water spray may be effective.

For safety reasons unsuitable extinguishing agents: CAUTION! Use of water spray may be inefficient.

Unusual Fire and Explosion Hazards

Closed containers may explode when exposed to extreme heat. Application to hot surfaces requires special 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.

Special hazards arising from the substance or mixture

Formation of toxic gases is possible during heating or in case of fire.

Advice for firefighters

During emergency conditions overexposure to decomposition products may cause a health hazard. Symptoms may not be immediately apparent. Obtain medical attention. Keep containers tightly closed. Isolate from heat, sparks, and open flame.

Protective equipment:

Full protective equipment including self-contained breathing apparatus should be used.

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| SECTION 6 - ACCIDENTAL RELEASE MEASURES |
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Personal precautions, protective equipment and emergency procedures

Use respiratory protective device against the effects of fumes/dust/aerosol. Wear protective equipment. Keep unprotected persons away. Ensure adequate ventilation. Keep away from ignition sources. Protect from heat.

Environmental precautions: Do not allow to enter sewers/ surface or ground water. See Section 12 for additional ecological information.

Methods and material for containment and cleaning up:

Absorb with non-combustible liquid-binding material (sand, diatomite, acid binders, universal binders). Dispose contaminated material as waste according to item 13. Do not flush with water or aqueous cleansing agents. Send for recovery or disposal in suitable receptacles.

Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

| |
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| SECTION 7 - HANDLING AND STORAGE |
|---|

Handling Precautions:**Precautions for safe handling**

Prevent formation of fine mist and vapor buildup during and after use. Avoid splashes or spray in enclosed areas. Use only in well ventilated areas. Do not get in eyes. Avoid skin contact. Can cause allergic respiratory reaction. Can cause allergic skin reaction. Prevent prolonged or repeated breathing of vapors or spray mist. Avoid breathing of sanding dust. Wash contaminated clothing thoroughly. Wash skin thoroughly with soap and water after handling. Close container after each use. Do not transfer this product to unlabeled containers. Do not handle until the manufacturer's safety precautions have been read and understood. Keep out of reach of children.

Information about protection against explosions and fires:

Keep ignition sources away. Do not smoke. Protect against electrostatic discharges.

Storage Requirements:

Do not store above 120 F. Store large quantities only in buildings designed to comply with OSHA 1910.106. Keep closures tight and container upright to prevent leakage. Do not store or use near heat, sparks or flame. Never use pressure to empty. Drum must not be washed out or used for other purposes. Drums of this material should be grounded when pouring.

Regulatory Requirements:

Consult NFPA Code. Use approved bonding and grounding procedures.

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| SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION |
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| Chemical Name / CAS No. | OSHA Exposure Limits | ACGIH Exposure Limits | Other Exposure Limits |
|------------------------------------|--|---------------------------|---|
| ethyl benzene 100-41-4 | TLV-TWA 100ppm PEL-TWA 100ppm STEL 125 ppm | TWA 20ppm | NIOSH REL TWA 100ppm NIOSH REL ST 125ppm |
| methyl isobutyl ketone 108-10-1 | Z1 TWA 100ppm/ 410mg/m3 PO TWA 50ppm/ 205mg/m3 PO STEL 75ppm/ 300mg/m3 | TWA 20 ppm STEL 75 ppm | NIOSH REL TWA 50ppm/205mg/m3 ST 75 ppm/300mg/m3 |
| xylene, mixed isomers 1330-20-7 | PEL 100 ppm | TLV 100 ppm | TWA 435 mg/cu.m. |

| | | | |
|--|-----------------|-----------------|-----------------|
| bisphenol A diglycidyl ether polymer 25068-38-6 | Not Established | Not Established | Not Established |
| formaldehyde, polymer with 1,3-dimethylbenzene 26139-75-3 | Not Established | Not Established | Not Established |
| 2-propoxy-ethanol 2807-30-9 | Not Established | Not Established | Not Established |
| silicon dioxide, synthetic, crystalline-free 67762-90-7 | Not Established | Not Established | Not Established |

Engineering Controls:

Appropriate engineering controls include ventilations systems, eyewash stations and emergency showers.

Ventilation:

All application areas should be ventilated in accordance to OSHA regulation 29 CFR 1910.94, 1910.107, 1910.108. Remove decomposition products formed during welding or flame cutting on surface coated with this product. If baking, vent fumes.

Work / Hygenic Practices:

Wash skin thoroughly before breaks and meals and at the end of work period .

Respiratory Protection:

Use a NIOSH-approved respirator to prevent overexposure, when exposure exceeds occupational exposure limits (Section 8). Use either an atmosphere-supplying respirator or an air-purifying respirator for organic vapors in compliance with 29 CFR 1910.134, with provision for mist removal if conditions so indicate. If isocyanate compounds are present in spray applications or other situations which may produce inhalation exposures, use a respirator that is recommended or approved for use in isocyanate-containing environments.

Eye Protection:

Safety eyewear including splashguards or side shields recommended.

Protective Gloves:

Recommended. The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Selection of the glove material should be based on consideration of the penetration times, rates of diffusion and the degradation.

Other Protective Clothing or Equipment:

Use protective outerwear and prevent prolonged skin contact with contaminated clothing.

Contaminated Equipment:

Thoroughly clean all contaminated clothing and personal protection equipment.

SECTION 9 - PHYSICAL / CHEMICAL CHARACTERISTICS

Information on basic physical and chemical properties

| | |
|--|--|
| <p>Appearance: Liquid</p> <p>Vapor Pressure: 4.4 mbar @ 77C</p> <p>Vapor Density: 3.5</p> <p>Specific Gravity: 1.12</p> <p>Freezing point: No information available</p> <p>Boiling range: 117°C</p> <p>Evaporation rate: slower than ether</p> <p>Partition coefficient (n- no data octanol/water):</p> <p>Decomposition temperature: No information available</p> <p>VOC - water/exempt (g/L) 253</p> <p>VOC emitted (g/L) 253</p> | <p>Odor: Typical solvent paint odor</p> <p>Odor threshold: No information available</p> <p>pH: No information available</p> <p>Melting point: No information available</p> <p>Solubility: No information available</p> <p>Flash point: 88 F,31 C</p> <p>Flammability: No information available</p> <p>Autoignition temperature: N/A</p> <p>Viscosity: No information available</p> <p>VOC - water/exempt (lb/gal) 2.10</p> <p>VOC emitted (lb/gal) 2.10</p> |
|--|--|

SECTION 10 - STABILITY AND REACTIVITY

Reactivity - No data available

Chemical stability - Stable under recommended storage conditions.

STABLE

Possibility of Hazardous Reactions - None under normal conditions of use.

Conditions to Avoid - Heat, sparks, open flame, static electricity, sources of ignition, elevated temperatures.

Incompatible Materials - Strong acids and alkali, strong oxidizing agents.

Incompatibility of Individual Components:

No information available

Hazardous decomposition products - Carbon monoxide and carbon dioxide

Information for Individual Components:

No information available

Hazardous polymerization will not occur.

SECTION 11 - TOXICOLOGICAL INFORMATION

Mixture Toxicity

Dermal Toxicity LD50: 2,236mg/kg

Inhalation Toxicity LC50: 96mg/L

Component Toxicity

| | |
|------------|--|
| 100-41-4 | ethyl benzene Oral LD50: 3,500 mg/kg (rat) Inhalation LC50: 4,000 ppm (rat) |
| 108-10-1 | methyl isobutyl ketone Oral LD50: 2,080 mg/kg (rat) Dermal LD50: 2,001 mg/kg (rat) Inhalation LC50: 10 mg/L (rat) |
| 1330-20-7 | xylene, mixed isomers Oral LD50: 3,523 mg/kg (Rat, male) Dermal LD50: 1,100 mg/kg (Rabbit) |
| 25068-38-6 | bisphenol A diglycidyl ether polymer Dermal LD50: 2,000 mg/kg (rat) |
| 2807-30-9 | 2-propoxy-ethanol Oral LD50: 3,089 mg/kg (rat) Dermal LD50: 1,337 mg/kg (rabbit) Inhalation LC50: 1,530 ppm (mo) |

CHRONIC HEALTH HAZARDS:

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

Routes of Entry:

Inhalation Skin Contact Eye Contact Ingestion

Target Organs:

Eyes Lungs Central Nervous System Skin

Effects of Overexposure

| | |
|-------------------------------|---|
| Eye contact: | Eye contact can cause severe irritation, redness, tearing, blurred vision. May be a sensitizer in some individuals. |
| Skin contact: | Skin contact can cause moderate irritation, defatting, dermatitis. May be a sensitizer in some individuals. |
| Inhalation: | Anesthetic, excessive inhalation can cause irritation of the respiratory tract, or acute nervous system depression characterized by headache, dizziness, staggering gait, confusion, unconsciousness, coma and even asphyxiation. |
| Ingestion: | Ingestion can cause gastrointestinal irritation, nausea, vomiting and diarrhea. Aspiration into the lungs during ingestion or vomiting may cause mild to severe pulmonary injury and possibly even death. |
| Sensitization: | No data available. |
| Mutagenicity: | No data available. |
| Reproductive Toxicity: | No data available. |

Teratogenicity: No data available.
Specific Target Organ Toxicity - Single Exposure:
Specific Target Organ Toxicity - Repeated Exposure: No data available.

Carcinogenicity:

For Mixture - No information available

For Components - The following chemicals comprise 0.1% or more of this mixture and are listed and/or classified as carcinogens or potential carcinogens by NTP, IARC, OSHA (mandatory listing), or ACGIH (optional listing).

Note: Reference to **ethyl benzene** refers to IARC classification of ethyl benzene as possibly carcinogenic to humans (Group 2B) based on sufficient evidence in experimental animals but there is inadequate evidence that ethyl benzene causes cancer in humans.

| <u>CAS Number</u> | <u>Description</u> | <u>% Weight</u> | <u>Carcinogen Rating</u> |
|-------------------|--------------------|-----------------|---|
| 100-41-4 | ethyl benzene | 0.71 | ethyl benzene: IARC: Group 2B - Possibly carcinogenic to humans ACGIH: Confirmed animal carcinogen with unknown relevance to humans OSHA: Not identified as a carcinogen or possible carcinogen NTP: Not identified as a known or anticipated carcinogen |

SECTION 12 - ECOLOGICAL INFORMATION

Persistence and degradability - No information available.

Bioaccumulative potential - No information available.

Mobility in soil - No information available.

Ecotoxicological effects - No information available.

Other adverse effects - No information available.

Additional ecological information:

General notes:

Do not allow product to reach ground water, water course or sewage system. Danger to drinking water if even small quantities leak into the ground.

Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

Component Ecotoxicity

| | |
|------------------------|--|
| methyl isobutyl ketone | LC50 Danio rerio (zebra fish): 179 mg/l @ 96h; EC50 Daphnia magna (water flea) : >200 mg/l @ 48h; EC50 pseudokirchneriella subcapitata (green algae): 400 mg/l @ 96h |
| xylene, mixed isomers | 96 Hr LC50 Pimephales promelas: 13.4 mg/L [flow-through]; 96 Hr LC50 Oncorhynchus mykiss: 2.661 - 4.093 mg/L [static]; 96 Hr LC50 Oncorhynchus mykiss: 13.5 - 17.3 mg/L; 96 Hr LC50 Lepomis macrochirus: 13.1 - 16.5 mg/L [flow-through]; 96 Hr LC50 Lepomis macrochirus: 19 mg/L; 96 Hr LC50 Lepomis macrochirus: 7.711 - 9.591 mg/L [static]; 96 Hr LC50 Pimephales promelas: 23.53 - 29.97 mg/L [static]; 96 Hr LC50 Cyprinus carpio: 780 mg/L [semi-static]; 96 Hr LC50 Cyprinus carpio: >780 mg/L; 96 Hr LC50 Poecilia reticulata: 30.26 - 40.75 mg/L [static] 48 Hr EC50 water flea: 3.82 mg/L; 48 Hr LC50 Gammarus lacustris: 0.6 mg/L |

bisphenol A diglycidyl ether
polymer

LC50 Fish: 1.3 mg/l @ 96h; EC50 daphnia sp.: 2.1 mg/l @ 48h; NOEC dsphnia
magna: 0.3 mg/l @ 21d; LC50 greem a:gae" >11 mg/l @ 72h

2-propoxy-ethanol

LC50 pimephales promelas (fathead minnow): >5000 mg/l @ 96h; LC50 Daphnia
magna (water flea): >5000 mg/l @ 48h; EC50 pseudokirchneriella subcapitata
(algae): >100 mg/l @ 72h; IC50 bacteria: >1000 mg/l @ 16h

SECTION 13 - DISPOSAL CONSIDERATIONS

Waste disposal methods:

Waste from this product may be hazardous as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261. Residual materials should be treated as hazardous unless proven to be otherwise.

Notice to user:

The user of this material has the responsibility to dispose of unused material, residues and containers in compliance with all relevant local, state and federal laws and regulations regarding treatment, storage and disposal for hazardous and nonhazardous wastes.

Empty Container Warning:

Emptied containers may contain product residue. Follow label warnings even after container is emptied. Residual vapors may explode on ignition. Do not reuse container.

SECTION 14 - TRANSPORT INFORMATION

Shipping descriptions are provided for informational purposes and do not consider container sizes. The presence of a shipping description for a particular mode of transportation does not indicate that the product is packaged suitably for that mode of transport. All packaging must be reviewed for suitability prior to shipment and compliance with applicable regulations is the sole responsibility of the person offering the product for transport.

| <u>Agency</u> | <u>Proper Shipping Name</u> | <u>UN Number</u> | <u>Packing Group</u> | <u>Hazard Class</u> |
|---------------|-----------------------------|------------------|----------------------|---------------------|
| DOT | Paint | 1263 | III | 3 |

SECTION 15 - REGULATORY INFORMATION

California Proposition 65

This product contains the following chemicals which are listed by the State of California as carcinogenic or a reproductive toxin:

- 100-41-4 ethyl benzene
- 108-10-1 methyl isobutyl ketone

CERCLA

This material, as supplied, contains the following chemicals regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) - 40 CFR 302

- 100-41-4 ethyl benzene
- 1330-20-7 xylene, mixed isomers
- 108-10-1 methyl isobutyl ketone

Florida Hazardous Substance List :

- ethyl benzene 100-41-4

Hazardous Air Pollutants (HAPs) Content

Hazardous Air Pollutants subject to the provisions of the Clean Air Act, Title I Section 112 'National Emission Standards for Hazardous Air Pollutants'

- 100-41-4 ethyl benzene 0.7 %
- 2807-30-9 2-propoxy-ethanol 1 to 5 %
- 1330-20-7 xylene, mixed isomers 7.1 %
- 108-10-1 methyl isobutyl ketone 10.4 %

Massachusetts RTK:

- ethyl benzene 100-41-4
- xylene, mixed isomers 1330-20-7
- methyl isobutyl ketone 108-10-1

New Jersey RTK:

ethyl benzene 100-41-4
2-propoxy-ethanol 2807-30-9
xylene, mixed isomers 1330-20-7
methyl isobutyl ketone 108-10-1

Pennsylvania RTK:

ethyl benzene 100-41-4
2-propoxy-ethanol 2807-30-9
xylene, mixed isomers 1330-20-7
methyl isobutyl ketone 108-10-1

SARA 313

This product contains a chemical or chemicals which are subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA 313).

100-41-4 ethyl benzene 0.7 %
1330-20-7 xylene, mixed isomers 7.1 %
108-10-1 methyl isobutyl ketone 10.4 %

TSCA

All chemicals in this product are listed, or are exempt from listing, on the TSCA inventory unless they are listed here:

SECTION 16 - OTHER INFORMATION

Hazardous Material Information System (HMIS)

| | | |
|----------------------------|--------------------------------|---|
| HEALTH | <input type="text" value="2"/> | HMIS & NFPA Hazard Rating Legend * = Chronic Health Hazard 0 = INSIGNIFICANT 1 = SLIGHT 2 = MODERATE 3 = HIGH |
| FLAMMABILITY | <input type="text" value="3"/> | |
| PHYSICAL HAZARD | <input type="text" value="0"/> | |
| PERSONAL PROTECTION | <input type="text"/> | |

DISCLAIMER: The information provided in this MSDS has been obtained from sources believed to be accurate and reliable. It is furnished without warranty of any kind, express or implied. Recipients should determine that the information is current and suitable for the protection of the environment and the health and safety of your employees and users of this product.

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Reviewer Revision 1