Mobile Paint Mfg. Co., Inc.

SAFETY DATA SHEET

OSHA HCS (29 CFR 1910-1200)

SECTION 1 - PRODUCT AND MANUFACTURER IDENTIFICATION

Product Name: MOPOXY MASTIC - WHITE Product Code: 40-AW-32A

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 >= 23°C and <= 60°C (140°F)
Skin corrosive	3	Reversible adverse effects in dermal tissue, Draize score: >= 1.5 < 2.3

GHS Hazards

H226	Flammable liquid and vapour
H316	Causes mild skin irritation

GHS Precautions

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
P303+P361+P353	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
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
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 %
methyl isobutyl ketone	108-10-1	3.40%
diisobutyl ketone	108-83-8	1.00% - 5.00%
xylene, mixed isomers	1330-20-7	1.00%
titanium dioxide	13463-67-7	10.00% - 20.00%
amino ethyl piperazine	140-31-8	1.00% - 5.00%
nonyl phenol	25154-52-3	10.00% - 20.00%
aromatic light petroleum solvent	64742-95-6	1.00% - 5.00%
barium sulfate	7727-43-7	40.00% - 50.00%
polyoxypropylenediamine	9046-10-0	5.00% - 10.00%
1,2,4-trimethylbenzene	95-63-6	1.30%

SECTION 4 - FIRST AID MEASURES

Inhalation: Remove to fresh air. Administer oxygen if breathing is difficult. Restore breathing if necessary and call a physian 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 unconcious 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: 53 C (127 F)
LEL: 1.00 UEL: 8.00

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 quipment including self-contained breathing apparatus should be used.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

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.

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.

SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

Chemical Name / CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
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
diisobutyl ketone 108-83-8	Z-1 TWA 50ppm/ 290mg/m3 P0 TWA 25ppm/ 150mg/m3	TWA 25 ppm	NIOSH REL TWA 255ppm/ 150 mg/m3
xylene, mixed isomers 1330-20-7	PEL 100 ppm	TLV 100 ppm	TWA 435 mg/cu.m.
titanium dioxide 13463-67-7	PEL 15 mg/cu.m. 8 hours Form: Total dust	TLV 10 mg/cu.m. 8 hours	Not Established
amino ethyl piperazine 140-31-8	Not Established	Not Established	Not Established

nonyl phenol 25154-52-3	Not Established	Not Established	Not Established
aromatic light petroleum solvent 64742-95-6	TWA 500 ppm 2000 mg/m3	TWA 200 mg/m3 (as total hydrocarbon vapor)	Not Established
barium sulfate 7727-43-7	15mg/m3	10 mg/m3	Not Established
polyoxypropylenediamine 9046-10-0	Not Established	Not Established	Not Established
1,2,4-trimethylbenzene 95-63-6	TLV-TWA 25ppm STEL 35ppm	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

Appearance:	Liquid	**Odor:**	Typical solvent paint odor
Vapor Pressure:	9.8 hPa @20 C	**Odor threshold:**	No information available
Vapor Density:	3.8	**pH:**	No information available
Specific Gravity:	1.81	**Melting point:**	No information available
Freezing point:	No information available	**Solubility:**	No information available
Boiling range:	117°C	**Flash point:**	127 F,53 C
Evaporation rate:	slower than ether	**Flammability:**	No information available
Partition coefficient (n-octanol/water):	no data	**Autoignition temperature:**	N/A
Decomposition temperature:	No information available	**Viscosity:**	No information available
VOC - water/exempt (g/L)	183	**VOC - water/exempt (lb/gal)**	1.52
VOC emitted (g/L)	183	**VOC emitted (lb/gal)**	1.52

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

Inhalation Toxicity LC50: 32mg/L

Component Toxicity

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)
108-83-8	diisobutyl ketone Dermal LD50: 2,001 mg/kg (rabbit) Inhalation LC50: 15 mg/L (rat)
1330-20-7	xylene, mixed isomers Oral LD50: 3,523 mg/kg (Rat, male) Dermal LD50: 1,100 mg/kg (Rabbit)
64742-95-6	aromatic light petroleum solvent Oral LD50: 5,000 mg/kg (rat) Dermal LD50: 2,000 mg/kg (rabbit)
9046-10-0	polyoxypropylenediamine Oral LD50: 2,885 mg/kg (rat) Dermal LD50: 2,980 mg/kg (rabbit)

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 iritation, 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:	No data available.
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).

CAS Number	Description	% Weight	Carcinogen Rating
None			No information available

SECTION 12 - ECOLOGICAL INFORMATION

Persistence and degradability - No information available.
Bioaccumulative potential - No information available.
Mobility in soil - No information available.
Ecotoxical 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
diisobutyl ketone	LC50 oncorhynchus mykiss (rainbow trout): 30 mg/l @ 96h; EC50 daphnia magna (water flea): 37.2 mg/l @ 48h; EC50 pseudokirchneriella subcapitata: 46.9 mg/l @ 72h
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
amino ethyl piperazine	EC50 daphnia magna (water flea): 58 mg/l @ 48h; EC50 selenastrum capricornutum (green algae): >1000 mg/l @ 72h
nonyl phenol	LC50 lepomis macrochirus (blugill sunfish): 0.209 mg/l @ 96h; EC50 dsphnia magna (water flea): 0.085 mg/l @ 48h; ErC50 selenastrum capricornutum (green algae): 0.41 mg/l @ 96h
aromatic light petroleum solvent	96 hr LL50 Oncorhynchus mykiss: 10 mg/l; 48 hr EL50 Daphnia magna: 4.5 mg/l; 72 hr EL50 Pseudokirchneriella subcapitata: 3.1 mg/l
polyoxypropylenediamine	EC50 daphnia: 418.4 mg/l @ 48h; LC50 fish: 772.14 mg/l @ 96h; ErC50 algae: 15 mg/l @ 72h

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 .

Agency	Proper Shipping Name	UN Number	Packing Group	Hazard Class
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:

108-10-1 methyl isobutyl ketone
13463-67-7 titanium dioxide

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

1330-20-7 xylene, mixed isomers
108-10-1 methyl isobutyl ketone

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'

1330-20-7 xylene, mixed isomers 1.0 %
108-10-1 methyl isobutyl ketone 3.4 %

Massachusetts RTK:

xylene, mixed isomers 1330-20-7
1,2,4-trimethylbenzene 95-63-6
diisobutyl ketone 108-83-8
methyl isobutyl ketone 108-10-1
barium sulfate 7727-43-7

New Jersey RTK:

xylene, mixed isomers 1330-20-7
1,2,4-trimethylbenzene 95-63-6
diisobutyl ketone 108-83-8
aromatic light petroleum solvent 64742-95-6
methyl isobutyl ketone 108-10-1
barium sulfate 7727-43-7

Pennsylvania RTK:

xylene, mixed isomers 1330-20-7
1,2,4-trimethylbenzene 95-63-6
diisobutyl ketone 108-83-8
aromatic light petroleum solvent 64742-95-6
amino ethyl piperazine 140-31-8
methyl isobutyl ketone 108-10-1
nonyl phenol 25154-52-3
titanium dioxide 13463-67-7
barium sulfate 7727-43-7

Rhode Island Hazardous Substance List:

- None

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).

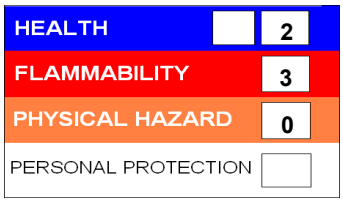
1330-20-7 xylene, mixed isomers 1.0 %
95-63-6 1,2,4-trimethylbenzene 1.3 %
108-10-1 methyl isobutyl ketone 3.4 %

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)



HMIS & NFPA Hazard Rating Legend
*** = Chronic Health Hazard**
0 = INSIGNIFICANT
1 = SLIGHT
2 = MODERATE
3 = HIGH

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