Mobile Paint Mfg. Co., Inc.

SAFETY DATA SHEET

OSHA HCS (29 CFR 1910-1200)

SECTION 1 - PRODUCT AND MANUFACTURER IDENTIFICATION

Product Name: MOPOXY FININSH - TILE RED Product Code: 513-73A

 Mobile Paint Mfg. Co., Inc.
 Emergency Phone: Chemtel, Inc

 P.O. Box 717
 1-800-255-3924

 4775 Hamilton Blvd.
 +1-813-248-0585

Theodore, AL 36582 (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:

2	Flash point < 23°C and initial boiling point > 35°C (95°F)
2	Reversible adverse effects in dermal tissue, Draize score: >=
	2.3 < 4.0 or persistent inflammation
1	Serious eye damage: Irreversible damage 21 days after
	exposure, Draize score: Corneal opacity >= 3, Iritis > 1.5
2	Limited evidence of human or animal carcinogenicity
1	Aspiration Toxicity Category 1: Known (regarded)- human evidence - hydrocarbons with kinematic viscosity ? 20.5
	mm2/s at 40° C.
	1

GHS Hazards

H225	Highly flammable liquid and vapour
H304	May be fatal if swallowed and enters airways
H315	Causes skin irritation
H318	Causes serious eye damage
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
P264	Wash hands and skin thoroughly after handling
P280	Wear protective gloves/protective clothing/eye protection/face protection
P281	Use personal protective equipment as required
P310	Immediately call a POISON CENTER or doctor/physician
P321	Specific treatment (see information on this label)
P331	Do NOT induce vomiting
P362	Take off contaminated clothing and wash before reuse

SDS for: 513-73A Page 1 of 9

P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician

P302+P352 IF ON SKIN: Wash with soap and water

P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing.

Rinse skin with water/shower

P305+P351+P338 IF IN EYES: Rinse continuously with water for several minutes. Remove contact

lenses if present and easy to do – continue rinsing

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: Danger







SECTION 3 - COMPOSITION / HAZARDOUS INGREDIENTS

Chemical Name	CAS number	Weight Concentration %
ethyl benzene	100-41-4	1.30%
methyl isobutyl ketone	108-10-1	1.50%
methyl n-amyl ketone	110-43-0	5.00% - 10.00%
ethylene glycol monobutyl ether	111-76-2	8.00%
silicon dioxide, amorphous, chemically prepared	112945-52-5	1.00% - 5.00%
iron oxide red	1309-37-1	20.00% - 30.00%
xylene, mixed isomers	1330-20-7	4.00%
aromatic light petroleum solvent	64742-95-6	5.00% - 10.00%
n-butanol	71-36-3	5.30%
1,2,4-trimethylbenzene	95-63-6	4.10%

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.

SDS for: 513-73A Page 2 of 9

Indication of any immediate medical attention and special treatment needed

Note to physicians: Treat symptomatically

SECTION 5 - FIRE FIGHTING MEASURES

Flash Point: 22 C (73 F)

LEL: 1.00 UEL: 12.00

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

SDS for: 513-73A Page 3 of 9

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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.

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		
methyl n-amyl ketone	Z1 TWA 100ppm/465mg/m3	TWA 50 ppm	NIOSH REL		

SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

110-43-0 PO TWA 100ppm/465mg/m3 TWA 100ppm/465mg/m3 PEL: 50 ppm Not Established ethylene glycol monobutyl 20 ppm TWA ether 5 ppm Recommended 111-76-2 exposure limit Not Established Not Established silicon dioxide, amorphous, Z3 TWA 0.8 mg/m3 20 million particles/ft3 chemically prepared 112945-52-5 15 mg/m3 TWA total dust Not Established iron oxide red 15 mg/m3 TWA total dust* 1309-37-1 5 mg/m3 TWA respirable (as Fe) dust* 5 mg/m3 TWA respirable *nuisance particulate dust (as Fe) PEL 100 ppm TLV 100 ppm TWA 435 mg/cu.m. xylene, mixed isomers 1330-20-7 Not Established TWA 500 ppm TWA 200 mg/m3 (as total aromatic light petroleum solvent 2000 mg/m3 hydrocarbon vapor) 64742-95-6 n-butanol Z-1 TWA 100ppm/300mg/m3 TWA 20 ppm NIOSH Ceiling LV -PO C 50ppm/150mg/m3 71-36-3 50ppm Not Established Not Established 1,2,4-trimethylbenzene TLV-TWA 25ppm 95-63-6 STEL 35ppm

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:

SDS for: 513-73A Page 4 of 9 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

Vapor Density: 3.6

Partition coefficient (n- no data

octanol/water):

VOC emitted (g/L) 506

VOC - water/exempt (g/L) 506

Appearance: Liquid **Odor:** Typical solvent paint

odor

Vapor Pressure: 5.0 mmHg @ 77 F Odor threshold: No information available

pH: No information available

Specific Gravity: 1.27 Melting point: No information available Freezing point: No information available

Solubility: No information available

Boiling range: 117°C Flash point: 73 F,22 C

Flammability: No information available

Autoignition temperature: N/A

Viscosity: No information available

VOC - water/exempt (lb/gal) 4.22 VOC emitted (lb/gal) 4.22

SECTION 10 - STABILITY AND REACTIVITY

Reactivity - No data available

Chemical stability - Stable under recommended storage conditions.

Evaporation rate: slower than ether

Decomposition temperature: No information available

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

Oral Toxicity LD50: 3,161mg/kg Dermal Toxicity LD50: 4,950mg/kg Inhalation Toxicity LC50: 136mg/L

Component Toxicity

omponent roxicity	
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)
110-43-0	methyl n-amyl ketone
	Oral LD50: 1,670 mg/kg (rat) Dermal LD50: 2,001 mg/kg (rat) Inhalation LC50: 17 mg/L (rat)
111-76-2	ethylene glycol monobutyl ether

SDS for: 513-73A Page 5 of 9

Printed: 6/8/2016 at 9:06:45AM

Oral LD50: 745 mg/kg (Rat) Dermal LD50: 1,250 mg/kg (Rat) Inhalation LC50: 550 ppm (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)

71-36-3 n-butanol

Oral LD50: 790 mg/kg (rat) Dermal LD50: 3,430 mg/kg (Rabbit, male)

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 Kidneys 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. Eye contact can cause mild irritation, redness, tearing, blurred vision. May be a sensitizer in individuals with unusual allergic sensitivity.

Skin contact: Skin contact can cause moderate iritation, defatting, dermatitis. May be a sensitizer in

some individuals. Skin contact can cause mild iritation, defatting, dermatitis. May be a

sensitizer in individuals with unusual allergic sensitivity.

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. Excessive inhalation can cause irritation of the respiratory tract. Headache, slight dizziness and nausea

possible in individuals with unusual allergic sensitivity.

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. Ingestion can cause gastrointestinal

irritation and nausea.

Sensitization: No data available.

Mutagenicity: No data available.

Reproductive No data available.

Toxicity:

Teratogenicity: No data available.

Specific Target No data available.

Organ Toxicity - Single Exposure:

Specific Target No data available.

Organ Toxicity - Repeated Exposure:

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>

SDS for: 513-73A Page 6 of 9

100-41-4 ethyl benzene 1.3 ethyl benzene: IARC: Group 2B -

Possibly carcinogenic to humans

ACGIH: Confirmed animal carcinogen with unknown relevance

a humana

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.

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

methyl n-amyl ketone LC50 Pimephales promelas (fathead minnow): 131 mg/l @ 96h; EC50 Daphnia

magna (water flea): >100 mg/l @ 48h; EC50 Selenastrum capricornutum (green

algae): 98.2 mg/l @ 72h

ethylene glycol monobutyl ether 96 Hr. LC50 (Oncorhynchus mykiss (rainbow trout)) 1,474 mg/l (static); 48 Hr.

EC50 (Daphnia magna (Water flea)) 1,800 mg/l (static); 72 Hr EC50 (Pseudokirchneriella subcapitata (green algae)) 911 mg/l (static);

silicon dioxide, amorphous,

chemically prepared

LC50 brachydanio rerio: >10,000 mg/l @ 96h; EC50 daphnia magna: >10,000

mg/l @ 24h

iron oxide red LC50 danio rerio: >50,000 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

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

n-butanol LC50 (Pimephales promelas (fathead minnow)): 1,3756 mg/l @ 96h; EC50

(Daphnia magna (Water flea)): 1,328 mg/l @ 48h; EC50 (Pseudokirchneriella

subcapitata (green algae)): 225 mg/l @ 96 h

SECTION 13 - DISPOSAL CONSIDERATIONS

SDS for: 513-73A Page 7 of 9

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>	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:

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 108-10-1 methyl isobutyl ketone 1330-20-7 xylene, mixed isomers 71-36-3 n-butanol 111-76-2 ethylene glycol monobutyl ether

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 1.3 % 108-10-1 methyl isobutyl ketone 1.5 % 1330-20-7 xylene, mixed isomers 4.0 %

Massachusetts RTK:

ethyl benzene 100-41-4
methyl isobutyl ketone 108-10-1
xylene, mixed isomers 1330-20-7
1,2,4-trimethylbenzene 95-63-6
n-butanol 71-36-3
ethylene glycol monobutyl ether 111-76-2
methyl n-amyl ketone 110-43-0
iron oxide red 1309-37-1

SDS for: 513-73A Page 8 of 9

New Jersey RTK:

ethyl benzene 100-41-4
methyl isobutyl ketone 108-10-1
xylene, mixed isomers 1330-20-7
1,2,4-trimethylbenzene 95-63-6
n-butanol 71-36-3
aromatic light petroleum solvent 64742-95-6
ethylene glycol monobutyl ether 111-76-2
methyl n-amyl ketone 110-43-0
iron oxide red 1309-37-1

Pennsylvania RTK:

ethyl benzene 100-41-4
methyl isobutyl ketone 108-10-1
xylene, mixed isomers 1330-20-7
1,2,4-trimethylbenzene 95-63-6
n-butanol 71-36-3
aromatic light petroleum solvent 64742-95-6
ethylene glycol monobutyl ether 111-76-2
methyl n-amyl ketone 110-43-0
iron oxide red 1309-37-1

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 1.3 %
108-10-1 methyl isobutyl ketone 1.5 %
1330-20-7 xylene, mixed isomers 4.0 %
95-63-6 1,2,4-trimethylbenzene 4.1 %
71-36-3 n-butanol 5.3 %
111-76-2 ethylene glycol monobutyl ether 8.0 %

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)



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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SDS for: 513-73A Page 9 of 9