Mobile Paint Mfg. Co., Inc.

SAFETY DATA SHEET

OSHA HCS (29 CFR 1910-1200)

SECTION 1 - PRODUCT AND MANUFACTURER IDENTIFICATION

Product Name: MOSPRAYCO - RED OXIDE PRIMER Product Code: 131-10A

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 aerosol	1	Flammable aerosol class 1
Skin corrosive	2	Reversible adverse effects in dermal tissue, Draize score: >= 2.3 < 4.0 or persistent inflammation
Carcinogen	1A	Known Human Carcinogen Based on human evidence
Aspiration hazard	1	Aspiration Toxicity Category 1: Known (regarded)- human evidence - hydrocarbons with kinematic viscosity ? 20.5 mm2/s at 40° C.

GHS Hazards

H222	Extremely flammable material
H304	May be fatal if swallowed and enters airways
H315	Causes skin irritation
H350	May cause 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
P211	Do not spray on an open flame or other igntion source
P251	Pressurized container – Do not pierce or burn, even after use
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
P321	Specific treatment (see information on this label)
P331	Do NOT induce vomiting
P362	Take off contaminated clothing and wash before reuse
P301+P310	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician
P302+P352	IF ON SKIN: Wash with soap and water
P308+P313	IF exposed or concerned: Get medical advice/attention
P332+P313	If skin irritation occurs: Get medical advice/attention
P405	Store locked up
P410+P412	Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F

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 %
n-butane	106-97-8	10.00% - 20.00%
n-butyl acetate	123-86-4	5.00% - 10.00%
iron oxide red	1309-37-1	5.00% - 10.00%
zinc oxide	1314-13-2	1.00% - 5.00%
magnesium silicate	14807-96-6	1.00% - 5.00%
crystalline silica (quartz)	14808-60-7	0.31%
aliphatic petroleum solvent naphtha	64742-88-7	5.00% - 10.00%
aliphatic naphtha (VM&P)	64742-89-8	5.00% - 10.00%
acetone	67-64-1	10.00% - 20.00%
propane	74-98-6	10.00% - 20.00%
mineral spirits	8052-41-3	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 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: < -18 C (<0 F)
LEL: 1.00 UEL: 13.00

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

Extremely flammable aerosol. If in a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. Gas may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back, causing fire or explosion. Bursting aerosol containers may be propelled from a fire at high speed. Runoff to sewer may create fire or explosion hazard.

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.

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:

Pressurized container: Protect from direct sunlight and do not expose to temperatures 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. Empty containers may contain product residue or residual pressure and can be hazardous.

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
n-butane 106-97-8	Not Established	TLV STEL 1000 ppm	Not Established

n-butyl acetate 123-86-4	Z1 TWA 150ppm/710mg/m3 PO TWA 150ppm/710mg/m3 PO STEL 200ppm/950mg/m3	TWA 150 ppm STEL 200 ppm	NIOSH ST 200ppm/950mg/m3 TWA 150ppm/710mg/m3
iron oxide red 1309-37-1	15 mg/m3 TWA total dust* 5 mg/m3 TWA respirable dust* *nuisance particulate	15 mg/m3 TWA total dust (as Fe) 5 mg/m3 TWA respirable dust (as Fe)	Not Established
zinc oxide 1314-13-2	PEL TWA 5 mg/m3 fume 15 mg/m3 total dust 5 mg/m3 respirable fraction	TLV STEL 10 mg/m3	Not Established
magnesium silicate 14807-96-6	PEL 15 mg/m3 inhalable dust	Not Established	Not Established
crystalline silica (quartz) 14808-60-7	PEL 0.1 mg/m3 TWA 0.1 mg/m3	TWA 0.025 mg/m3	Not Established
aliphatic petroleum solvent naphtha 64742-88-7	Not Established	Not Established	Not Established
aliphatic naphtha (VM&P) 64742-89-8	Not Established	Not Established	Not Established
acetone 67-64-1	TWA Z1 500 ppm TWA PO 750 ppm STEL PO 1000 ppm	TWA 500 ppm STEL 750 ppm	Not Established
propane 74-98-6	PEL TWA 1000 ppm	Not Established	Not Established
mineral spirits 8052-41-3	OSHA Z-1 500 ppm - TWA OSHA Z-1 1000 mg/m3 - TWA	ACGIH TLV 200 mg/m3 - TWA	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 II). 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.

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: 81.0 mmHg @ 25C	**Odor threshold:** No information available
Vapor Density: 2.4	**pH:** No information available
Specific Gravity: 0.80	**Melting point:** No information available
Freezing point: No information available	**Solubility:** No information available
Boiling range: -32°C	**Flash point:** 0 F,-18 C
Evaporation rate: slower than ether	**Flammability:** No information available
Partition coefficient (n-octanol/water): no data	**Decomposition temperature:** No information available
Viscosity: No information available	**VOC - water/exempt (g/L)** 558
VOC - water/exempt (lb/gal) 4.65	**VOC emitted (g/L)** 455
VOC emitted (lb/gal) 3.79	

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 - No data available
Incompatibility of Individual Components:

No information available

Hazardous decomposition products - Under normal conditions of storage and use, hazardous decomposition products should not be produced.
Information for Individual Components:

No information available
Hazardous polymerization will not occur.

SECTION 11 - TOXICOLOGICAL INFORMATION

Mixture Toxicity
Inhalation Toxicity LC50: 55mg/L
Component Toxicity

123-86-4	n-butyl acetate Inhalation LC50: 21 mg/L (rat)
64742-88-7	aliphatic petroleum solvent naphtha Dermal LD50: 3,000 mg/kg (rabbit) Inhalation LC50: 6 mg/L (rat)
64742-89-8	aliphatic naphtha (VM&P) Dermal LD50: 2,001 mg/kg (rabbit)
67-64-1	acetone Inhalation LC50: 76 mg/L (rat)
8052-41-3	mineral spirits Oral LD50: 5,000 mg/kg (rat) Dermal LD50: 2,000 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).
NOTE: Reference to **Crystalline Silica** and/or **Quartz** is based on exposure to unbound respirable particles and is not generally applicable to this product as supplied.
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.

CAS Number	Description	% Weight	Carcinogen Rating
14808-60-7	crystalline silica (quartz)	0.31	crystalline silica (quartz): IARC working group classified as carcinogenic to humans (Group 1). NTP - Group 2A ACGIH - A2 suspected human carcinogen OSHA - listed

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

n-butyl acetate	LC50 (Pimephales promelas (fathead minnow)):18mg/l @ 96 h; EC50 (Daphnia magna (water flea)):44 mg/l @ 48 h; EC50 (Desmodesmus subspicatus (green algae)):674.7 mg/l @ 72 h; NOEC (Daphnia magna (water flea)): 23 mg/l @ 21d; EC 50 (Tetrahymena pyriformis (Ciliate)): 356 mg/l @ 40h
iron oxide red	LC50 danio rerio: >50,000 mg/l @ 96h
zinc oxide	EC50 selenastrum capricornutum (green algae): 0.17 mg/l @ 72h; LC50 oncorhynchus mykiss (rainbow trout): 1.1-2.5ppm @ 96h
acetone	LC50 Oncorhynchus mykis (rainbow trout): 6100 mg/l @ 48h; EC50 Daphnia magna (water flea): 7630 mg/l @ 48h
mineral spirits	96 hr LC50 Oncorhynchus mykiss: 25 mg/l; 48 hr EL50 Daphnia magna: 1.4 mg/l; 72 hr EL50 Pseudokirchneriella subcapitata: 1 mg/l

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 and may still be under pressure. Follow label warnings even after container is emptied. Residual vapors may explode on ignition. Do not reuse container. Do not puncture or incinerate 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	AEROSOL	1950		2.1
	Special provision for limited quantity			

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:

14808-60-7 crystalline silica (quartz)

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

123-86-4 n-butyl acetate

67-64-1 acetone

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'

- None

Massachusetts RTK:

crystalline silica (quartz) 14808-60-7
n-butyl acetate 123-86-4
iron oxide red 1309-37-1
acetone 67-64-1

New Jersey RTK:

crystalline silica (quartz) 14808-60-7
mineral spirits 8052-41-3
n-butyl acetate 123-86-4
aliphatic naphtha (VM&P) 64742-89-8
aliphatic petroleum solvent naphtha 64742-88-7
iron oxide red 1309-37-1
acetone 67-64-1

Pennsylvania RTK:

crystalline silica (quartz) 14808-60-7
mineral spirits 8052-41-3
n-butyl acetate 123-86-4
aliphatic naphtha (VM&P) 64742-89-8
iron oxide red 1309-37-1
acetone 67-64-1

Rhode Island Hazardous Substance List:

crystalline silica (quartz) 14808-60-7

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).

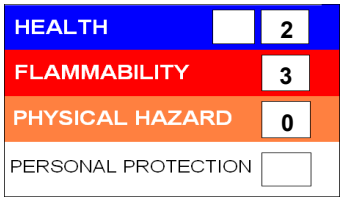
- None

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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