

MATERIAL SAFETY DATA SHEET



Date Prepared: 04/01/2011
MSDS No: OFMP-1

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1. PRODUCT IDENTIFICATION

PRODUCT NAME: A) Old Fashioned Milk Paint; B) SafePaint (Milk Paint for Walls); C) Eco-Orchard Paint
PHYSICAL FORM: Granular powder
COLOR: Varies (available in 20 colors).
ODOR: Mild dairy or earthy like when wet.
VOC CONTENT: None / Zero
HAZARDS: The usual small quantities for household use do not present any hazard unless ingested.
EXTINGUISHING MEDIA: Non-flammable.

C.A.S. CHEMICAL NAME: Mixture
SYNONYMS: None
CHEMICAL FAMILY: Protein
EMPIRICAL FORMULA: Mixture
INTENDED USE: Decorative paint finish.
REVISION NOTES: None

2. INGREDIENTS

CAS NUMBER	CHEMICAL NAME	OSHA (PEL)	ACGIH (TLV)
9000-71-9	Casein (milk protein)	Not established	Not established (non-hazardous)
1305-62-0	Calcium Hydroxide	15mg / m3	Not established
Proprietary	Natural Chalk Fillers	15mg / m3	10mg / m3
Proprietary	Natural Clay Fillers	15mg / m3	2mg / m3
1309-37-1	Red Iron Oxide Pigment	15mg / m3	5mg / m3
1333-86-4	Lamp Black Pigment	3.5mg / m3	3.5mg / m3
51274-00-1	Yellow Iron Oxide Pigment	10mg / m3	5mg / m3
Proprietary	White Pigment Blend	15mg / m3	10mg / m3
57455-37-5	Ultramarine Blue Pigment	Not established	5mg / m3
1308-38-9	Green Chrome III Pigment	5mg / m3	5mg / m3
12713-03-0	Raw Umber Brown Pigment	Not established	5mg / m3
Proprietary	Natural Salts	Not established	5mg / m3
14808-60-7	Crystalline Silica	0.1mg / m3	0.1mg / m3

The remaining non-hazardous ingredients are trade secrets.

3. HEALTH HAZARDS

HEALTH HAZARDS: There are no known health hazards.
MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: None known
TARGET ORGANS: None known
SIGNS AND SYMPTOMS OF EXPOSURE (Acute effects)
There are no known signs or symptoms of exposure.

SIGNS AND SYMPTOMS OF EXPOSURE (Possible longer term effects):

No known effects.

ROUTES OF EXPOSURE: Eye contact, skin contact, ingestion, inhalation.

EXPOSURE STANDARDS: The usual small quantities for household use do not present any hazard unless ingested. Under normal conditions of use in a well ventilated space, the concentration of minor components in the workplace air will not exceed the TWA or PEL. Always maintain air contaminant concentrations in the workplace at the lowest feasible levels.

CARCINOGENS UNDER OSHA, ACGIH, NTP, IARC:

This product contains crystalline silica as a component of the natural fillers and lamp black pigment.

4. FIRST AID

EYE CONTACT: Rinse immediately with plenty of water.

SKIN CONTACT: Wash affected area with soap and water.

INHALATION: Move patient to fresh air. If breathing has stopped or is labored give assisted respiration (e.g., mouth-to-mouth). Supplemental oxygen may be indicated. Seek medical advise. Prevent aspiration of vomit. Turn victim's head to the side.

INGESTION: If swallowed, call a physician immediately. Remove stomach contents by gastric suction or induce vomiting only as directed by medical personnel.
Never give anything by mouth to an unconscious person.

5. FIRE AND EXPLOSION DATA

FIRE HAZARD CLASSIFICATION:

Non-Combustible (OSHA/NFPA)

FLASH POINT (closed cup): No data

UPPER EXPLOSION LIMIT (UEL): No data

LOWER EXPLOSION LIMIT (LEL): No data

AUTOIGNITION TEMPERATURE: No data

EXTINGUISHING MEDIA: For dry product use water or carbon dioxide. Product does not burn.

SPECIAL FIRE FIGHTING PROCEDURES:

No special procedures required. The product, as distributed, is noncombustible.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

None known.

6. ACCIDENTAL RELEASE MEASURES

CONTAINMENT TECHNIQUES (Removal of ignition sources, diking, etc.)

Stop the leak, if possible. Ventilate the space involved.

CLEAN-UP PROCEDURES: Sweep up or vacuum and place in an appropriate waste container. Wash contaminated property thoroughly. Large commercial spills may require a vacuum truck.

OTHER EMERGENCY ADVICE:

Avoid dust.

7. HANDLING AND STORAGE

STORAGE: Avoid contact with moisture/water until ready to use.

HANDLING: No special precautions required.

OTHER PRECAUTIONS: Keep unused dry product in moisture proof container. Wash thoroughly after handling. Use common sense and good manufacturing practices.

8. PERSONAL PROTECTION / EXPOSURE CONTROLS

EYE PROTECTION:	Chemical safety glasses.
HAND PROTECTION:	Rubber gloves. The breakthrough time of the selected glove(s) must be greater than the intended use period.
RESPIRATORY PROTECTION:	Not required under normal conditions in a well ventilated workplace. A drywall dust mask or (NIOSH) approved respirator for fine dust is recommended under emergency conditions.
PROTECTIVE CLOTHING:	No specific recommendation.
ENGINEERING CONTROLS:	Commercial users should maintain air concentrations in work spaces in accord with standards outlined in Sections 2 and 3. Supplementary local exhaust may be needed in poorly ventilated areas or when transferring large quantities.
WORK AND HYGIENIC PRACTICES:	None recommended.

9. TYPICAL PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL FORM (at processing temperature):	Granular powder.
COLOR (at processing temperature):	Varies.
ODOR (descriptive analysis):	Mild dairy or earthy like when wet.
pH (when mixed with water):	> 10 as applied.
SOLUBILITY IN WATER:	Dilutable.

10. STABILITY AND REACTIVITY

CHEMICAL STABILITY:	Stable at ambient temperatures.
CONDITIONS TO AVOID (if unstable):	Not established.
INCOMPATIBILITY (materials to avoid):	Strong acids, alcohols (ethanol).
HAZARDOUS DECOMPOSITION PRODUCTS (from burning, heating, or reaction with other materials):	None known.
HAZARDOUS POLYMERIZATION:	Will not occur.
CONDITIONS TO AVOID (if polymerization may occur):	Not applicable.

11. TOXICOLOGICAL PROPERTIES

ACUTE ORAL TOXICITY (LD50, RAT):	No data known for this product.
ACUTE DERMAL TOXICITY (LD50, RABBIT):	No data known for this product.
ACUTE INHALATION TOXICITY (LC50, RAT):	No data known for this product.
OTHER ACUTE EFFECTS:	No data known for this product.
IRRITATION EFFECTS DATA:	No irritation data are known for this product.
CHRONIC/SUBCHRONIC DATA:	No delayed, subchronic or chronic test data are known.

12. ECOLOGICAL INFORMATION

No data

13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL: Comply with all Federal, State and Local regulations. Disposal to municipal or industrial waste plants normally requires approval from these authorities before disposal. This product may cause dusting when agitated. For large quantities: Disposal through licensed waste disposal facilities is suggested.

14. TRANSPORT INFORMATION

DOT NON-BULK SHIPPING NAME:

Not DOT Regulated // Keep from freezing.

DOT BULK SHIPPING NAME: Refer to Bill of Lading.

IMO SHIPPING DATA: Refer to Bill of Lading.

ICAO/IATA SHIPPING DATA: Not IATA Regulated // Keep from freezing.

15. REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS

TOXIC SUBSTANCES CONTROL ACT (TSCA):

All components are included in the EPA (TSCA) inventory.

TOXIC SUBSTANCE CONTROL ACT (TSCA) 12(b) COMPONENT(S):

None.

OSHA HAZARD COMMUNICATION STANDARD (29CFR1910.1200) HAZARD CLASS(ES):

None.

EPA SARA TITLE III SECTION 312 (40CFR370) HAZARD CLASS:

None.

EPA SARA TITLE III SECTION 313 (40CFR372) TOXIC CHEMICALS ABOVE "DE MINIMIS" LEVEL ARE:

None.

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