MATERIAL SAFETY DATA SHEET

1. Product and Company Identification

Material name **1040 PROFESSIONAL SATIN 121 LIGHT BASE**

Version # 01

Revision date 01-25-2011

CAS # Mixture

Product code 1040-121

Product use Paint.

Manufacturer/Supplier Kelly-Moore Paint Co., Inc.
987 Commercial St., San Carlos, CA 94070
E-mail: rstetson@kellymoore.com
Telephone number: 1-800-874-4436
Contact Person: Robert Stetson

Emergency Emergency Telephone Number: 1-800-424-9300

2. Hazards Identification

Physical state Liquid.

Appearance Milky white to colored liquid.

Emergency overview CAUTION

Prolonged or repeated contact may dry skin and cause irritation.

OSHA regulatory status This product is hazardous according to OSHA 29 CFR 1910.1200.

Potential health effects

Routes of exposure Inhalation. Skin contact.

Eyes Direct contact with eyes may cause temporary irritation.

Skin Prolonged or repeated contact may dry skin and cause irritation.

Inhalation Prolonged inhalation may be harmful.

Ingestion Ingestion may cause irritation and malaise.

Target organs Central nervous system. Skin.

Chronic effects Frequent or prolonged contact may defat and dry the skin, leading to discomfort and dermatitis. Organic solvents may be absorbed into the body by inhalation and cause permanent damage to the nervous system, including the brain.

Signs and symptoms Defatting of the skin. Vapors may cause drowsiness and dizziness.

Potential environmental effects The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

3. Composition / Information on Ingredients

Components	CAS #	Percent
Titanium dioxide	13463-67-7	<20
Vinyl acetate	108-05-4	<0.2

Composition comments Components not listed are either non-hazardous or are below reportable limits. All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

4. First Aid Measures

First aid procedures

Eye contact Any material that contacts the eye should be washed out immediately with water. If easy to do, remove contact lenses. Get medical attention if symptoms persist.

Skin contact Immediately remove contaminated clothing and shoes and wash skin with soap and plenty of water. Get medical attention if irritation persists after washing.

Inhalation Move to fresh air. Oxygen or artificial respiration if needed. Get medical attention if any discomfort continues.

Ingestion Immediately rinse mouth and drink plenty of water. Keep person under observation. If person becomes uncomfortable take to hospital along with these instructions.

Notes to physician Treat symptomatically.

General advice If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

5. Fire Fighting Measures

Flammable properties The product is not flammable.

Extinguishing media

Suitable extinguishing media Extinguish with foam, carbon dioxide, dry powder or water fog.

Unsuitable extinguishing media Do not use water jet as an extinguisher, as this will spread the fire.

Protection of firefighters

Protective equipment and precautions for firefighters Selection of respiratory protection for fire fighting: follow the general fire precautions indicated in the workplace. Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

6. Accidental Release Measures

Personal precautions Avoid inhalation of vapors and contact with skin and eyes. Wear appropriate personal protective equipment (See Section 8).

Environmental precautions Prevent further leakage or spillage if safe to do so. Do not contaminate water.

Methods for containment Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Prevent entry into waterways, sewer, basements or confined areas.

Methods for cleaning up Should not be released into the environment.

Large Spills: Absorb in vermiculite, dry sand or earth and place into containers.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. Following product recovery, flush area with water.

Never return spills in original containers for re-use. For waste disposal, see section 13 of the MSDS.

7. Handling and Storage

Handling Provide adequate ventilation. Avoid contact with eyes, skin, and clothing. Avoid breathing vapor. Wear appropriate personal protective equipment. Wash thoroughly after handling. Observe good industrial hygiene practices.

Storage Store in tightly closed original container in a dry, cool and well-ventilated place. Store away from incompatible materials.

8. Exposure Controls / Personal Protection

Occupational exposure limits

US. ACGIH Threshold Limit Values

Components	Type	Value
Vinyl acetate (108-05-4)	STEL	15 ppm
	TWA	10 ppm

Engineering controls Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits.

Personal protective equipment

Eye / face protection Wear approved safety goggles.

Skin protection Nitrile gloves are recommended, but be aware that the liquid may penetrate the gloves. Frequent change is advisable.

Respiratory protection Use NIOSH certified, air purifying respirators with N-, P-, or R- series particulate filter and organic vapor cartridges when concentration of vapor or mist exceeds applicable exposure limits. protection provided by air-purifying respirators is limited. Selection and use of respiratory protective equipment should be in accordance with OSHA General Industry Standard 29 CFR 1910.134. Consult a qualified industrial hygienist or Safety Professional for respirator selection guidance.

General hygiene considerations	Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

9. Physical & Chemical Properties

Appearance	Milky white to colored liquid.
Color	Various.
Odor	Slightly ammoniacal.
Odor threshold	Not available.
Physical state	Liquid.
Form	Liquid.
pH	7 - 10
Melting point	Not available.
Freezing point	Not available.
Boiling point	Not available.
Flash point	Not available.
Evaporation rate	< 1 (n-BuAc=1)
Flammability limits in air, upper, % by volume	Not available.
Flammability limits in air, lower, % by volume	Not available.
Vapor pressure	Not available.
Vapor density	> 1 (Air=1)
Specific gravity	Not available.
Solubility (water)	Moderately soluble
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.

10. Chemical Stability & Reactivity Information

Chemical stability	Material is stable under normal conditions.
Conditions to avoid	Contact with incompatible materials.
Incompatible materials	Strong oxidizing agents. Strong acids.
Hazardous decomposition products	Carbon oxides. Silicon oxides.
Possibility of hazardous reactions	Will not occur.

11. Toxicological Information

Acute effects In high concentrations, vapors and spray mists are narcotic and may cause headache, fatigue, dizziness and nausea. Ingestion may cause irritation and malaise.

Local effects

US ACGIH Threshold Limit Values: Skin designation

Dioxane (CAS 123-91-1)	Can be absorbed through the skin.

Sensitization Not a skin sensitizer.

Chronic effects Prolonged or repeated contact may dry skin and cause dermatitis. Organic solvents may be absorbed into the body by inhalation and cause permanent damage to the nervous system, including the brain.

Carcinogenicity Potentially carcinogenic components are typically only present in trace amounts. Due to the form of the product, exposure to the potentially carcinogenic components is not expected.

ACGIH Carcinogens

Crystalline silica (CAS 14808-60-7)	A2 Suspected human carcinogen.

Dioxane (CAS 123-91-1)	A3 Confirmed animal carcinogen with unknown relevance to humans.
Ethylene dioxide (CAS 75-21-8)	A2 Suspected human carcinogen.
Titanium dioxide (CAS 13463-67-7)	A4 Not classifiable as a human carcinogen.
Vinyl acetate (CAS 108-05-4)	A3 Confirmed animal carcinogen with unknown relevance to humans.

IARC Monographs. Overall Evaluation of Carcinogenicity

Crystalline silica (CAS 14808-60-7)	1 Carcinogenic to humans.
Dioxane (CAS 123-91-1)	2B Possibly carcinogenic to humans.
Ethylene dioxide (CAS 75-21-8)	1 Carcinogenic to humans.
Silicon dioxide (CAS 7631-86-9)	3 Not classifiable as to carcinogenicity to humans.
Titanium dioxide (CAS 13463-67-7)	2B Possibly carcinogenic to humans.
Vinyl acetate (CAS 108-05-4)	2B Possibly carcinogenic to humans.

US NTP Report on Carcinogens: Anticipated carcinogen

Dioxane (CAS 123-91-1)	Anticipated carcinogen.

US NTP Report on Carcinogens: Known carcinogen

Crystalline silica (CAS 14808-60-7)	Known carcinogen.
Ethylene dioxide (CAS 75-21-8)	Known carcinogen.

US OSHA Specifically Regulated Substances: Cancer hazard

Ethylene dioxide (CAS 75-21-8)	Cancer hazard.

Further information Components of the product may be absorbed into the body through the skin.

12. Ecological Information

Ecotoxicity The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Environmental effects An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

Persistence and degradability No data is available on the degradability of this product.

Bioaccumulation / Accumulation No data available.

Mobility in environmental media The product is miscible with water. May spread in water systems.

Partition coefficient (n-octanol/water) Not available.

13. Disposal Considerations

Waste codes Not regulated.

US RCRA Hazardous Waste U List: Reference

Dioxane (CAS 123-91-1)	U108
Ethylene dioxide (CAS 75-21-8)	U115

Disposal instructions Do not allow this material to drain into sewers/water supplies. This product, in its present state, when discarded or disposed of, is not a hazardous waste according to Federal regulations (40 CFR 261.4 (b)(4)). Under RCRA, it is the responsibility of the user of the product to determine, at the time of disposal, whether the product meets RCRA criteria for hazardous waste. Dispose in accordance with all applicable regulations.

Waste from residues / unused products Dispose in accordance with applicable federal, state, and local regulations.

Contaminated packaging Since emptied containers may retain product residue, follow label warnings even after container is emptied.

14. Transport Information

DOT

Not regulated as dangerous goods.

IATA

Not regulated as dangerous goods.

IMDG

Not regulated as dangerous goods.

15. Regulatory Information

US federal regulations This product is hazardous according to OSHA 29 CFR 1910.1200.

US EPCRA (SARA Title III) Section 302 - Extremely Hazardous Spill: Reportable quantity

Ethylene dioxide (CAS 75-21-8)	10 LBS
Vinyl acetate (CAS 108-05-4)	5000 LBS

US EPCRA (SARA Title III) Section 302 - Extremely Hazardous Substance: Threshold Planning Quantity

Ethylene dioxide (CAS 75-21-8)	1000 LBS
Vinyl acetate (CAS 108-05-4)	1000 LBS

US EPCRA (SARA Title III) Section 313 - Toxic Chemical: De minimis concentration

Dioxane (CAS 123-91-1)	0.1 %
Ethylene dioxide (CAS 75-21-8)	0.1 %
Vinyl acetate (CAS 108-05-4)	0.1 %

US EPCRA (SARA Title III) Section 313 - Toxic Chemical: Listed substance

Dioxane (CAS 123-91-1)	Listed.
Ethylene dioxide (CAS 75-21-8)	Listed.
Vinyl acetate (CAS 108-05-4)	Listed.

CERCLA (Superfund) reportable quantity (lbs)

Vinyl acetate 5000

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories	Immediate Hazard - Yes Delayed Hazard - Yes Fire Hazard - No Pressure Hazard - No Reactivity Hazard - No
Section 302 extremely hazardous substance	No
Section 311 hazardous chemical	No

Inventory status

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	No
Canada	Domestic Substances List (DSL)	No
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	No
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	No
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	No
New Zealand	New Zealand Inventory	No
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	No
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	No

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

State regulations WARNING: This product contains chemicals known to the State of California to cause cancer.

US - California Hazardous Substances (Director's): Listed substance

Dioxane (CAS 123-91-1)	Listed.
Ethylene dioxide (CAS 75-21-8)	Listed.
Silicon dioxide (CAS 7631-86-9)	Listed.
Vinyl acetate (CAS 108-05-4)	Listed.

US - California Proposition 65 - CRT: Listed date/Carcinogenic substance

Acetaldehyde (CAS 75-07-0)	Listed: April 1, 1988 Carcinogenic.
Crystalline silica (CAS 14808-60-7)	Listed: October 1, 1988 Carcinogenic.
Dioxane (CAS 123-91-1)	Listed: January 1, 1988 Carcinogenic.
Ethylene dioxide (CAS 75-21-8)	Listed: July 1, 1987 Carcinogenic.

US - California Proposition 65 - CRT: Listed date/Developmental toxin

Ethylene dioxide (CAS 75-21-8)	Listed: August 7, 2009 Developmental toxin.

US - California Proposition 65 - CRT: Listed date/Female reproductive toxin

Ethylene dioxide (CAS 75-21-8)	Listed: February 27, 1987 Female reproductive toxin.

US - California Proposition 65 - CRT: Listed date/Male reproductive toxin

Ethylene dioxide (CAS 75-21-8)	Listed: August 7, 2009 Male reproductive toxin.

US - Massachusetts RTK - Substance: Listed substance

Crystalline silica (CAS 14808-60-7)	Listed.
Dioxane (CAS 123-91-1)	Listed.
Ethylene dioxide (CAS 75-21-8)	Listed.
Silicon dioxide (CAS 7631-86-9)	Listed.
Titanium dioxide (CAS 13463-67-7)	Listed.
Vinyl acetate (CAS 108-05-4)	Listed.

US - New Jersey Community RTK (EHS Survey): Reportable threshold

Dioxane (CAS 123-91-1)	500 LBS
Ethylene dioxide (CAS 75-21-8)	500 LBS
Vinyl acetate (CAS 108-05-4)	500 LBS

US - New Jersey RTK - Substances: Listed substance

Crystalline silica (CAS 14808-60-7)	Listed.
Dioxane (CAS 123-91-1)	Listed.
Ethylene dioxide (CAS 75-21-8)	Listed.
Silicon dioxide (CAS 7631-86-9)	Listed.
Titanium dioxide (CAS 13463-67-7)	Listed.
Vinyl acetate (CAS 108-05-4)	Listed.

US - Pennsylvania RTK - Hazardous Substances: Listed substance

Crystalline silica (CAS 14808-60-7)	Listed.
Dioxane (CAS 123-91-1)	Listed.
Ethylene dioxide (CAS 75-21-8)	Listed.
Propylene glycol (CAS 57-55-6)	Listed.
Silicon dioxide (CAS 7631-86-9)	Listed.
Titanium dioxide (CAS 13463-67-7)	Listed.
Vinyl acetate (CAS 108-05-4)	Listed.

US - Pennsylvania RTK - Hazardous Substances: Special hazard

Dioxane (CAS 123-91-1)	Special hazard.
Ethylene dioxide (CAS 75-21-8)	Special hazard.

16. Other Information

Further information
HMIS® is a registered trade and service mark of the NPCA.

HMIS® ratings
Health: 1*
Flammability: 1
Physical hazard: 0

NFPA ratings
Health: 0
Flammability: 1
Instability: 0

Disclaimer
The information in the sheet was written based on the best knowledge and experience currently available. Additional information is given in the Material Safety Data Sheet.

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