

Material Safety Data Sheet

UltraCoat® Giclee Satin Matte



SECTION 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: UltraCoat Giclee Satin Matte
Item Number: 62617, 62619
Product Use: Water-based Liquid Coating
Date: 11/28/2007

Supplier: Neschen Americas
7091 Troy Hill Drive
Elkridge, MD 21075

Emergency Telephone: 800-486-6502 8:00am – 5:00pm
After Hour MSDS Available at: www.neschenbrands.com/MSDS

SECTION 2 – COMPOSITION/INFORMATION ON INGREDIENTS

| Item | Chemical Name | % | Exposure LD50 | TLV | Exposure LC50 | Risk Phrases |
|------|--------------------------------------|-------|--|-----------------|-------------------------------------|--------------|
| 01 | Ethanol CAS# 000064175 | 15-30 | Dermal (rabbit) 15800mg/kg Oral (rat) 7060mg/kg | 1000 ppm *A4 | Inhalation (rat) 31623 ppm | S25/S24 |
| 02 | Isopropanol CAS# 67630 | 1-5 | Dermal (rabbit) 1300mg/kg Oral (rat) 5045mg/kg | 400 ppm | Inhalation (rat) 22640 ppm 4 hr. | S25/S24 |
| 03 | Dipropylene Glycol CAS# 034590948 | 1-5 | Dermal (rabbit) 5200mg/kg Oral (rat) 5380mg/kg | 150 ppm | Not Available | S25/S24 |
| 04 | Triethylamin CAS# 000121448 | <1 | Dermal (rabbit) 410mg/kg Oral (rat) 460mg/kg | Not Available | Inhalation (rat) 6000 ppm 2 hr. | S25/S24 |

R10: Flammable
R20: Harmful by inhalation
R21: Harmful in contact with skin
R25: Toxic if swallowed
S24: Avoid contact with skin
S25: Avoid contact with eyes

This product contains the above identified substances subject to the reporting requirements of Section 313 of Title III of the SARA Title II and CFR Part 372.

SECTION 3 – PHYSICAL AND CHEMICAL PROPERTIES

| | | | |
|--------------------|-----------------------|-----------------------|--------------------------|
| Boiling Range: | 170 - 340° F | Vapor Density: | <1.0 |
| Odor: | Low Organic Odor | Odor Threshold: | Not Determined |
| Appearance: | Opaque Viscous Liquid | Evaporation Rate: | Is slower than Ether |
| % Solid by Weight: | 6+/- | Specific Gravity: | 0.9 (H ₂ O=1) |
| Freeze Point: | Not Determined | pH: | 8.5 – 9.5 |
| Vapor Pressure: | Not Determined | Viscosity: | Not Determined |
| Physical State: | Not Determined | Weight Per Gallon: | Not Determined |
| Material VOC: | Not Determined | % Volatile by Weight: | Not Determined |
| Coating VOC: | 0.74 lbs/gl | % Volatile by Volume: | 20 (excl water) |

Material Safety Data Sheet

UltraCoat® Giclee Satin Matte



SECTION 4 – FIRE AND EXPLOSION HAZARD DATA

Flash Point: Not Applicable

Extinguishing Media: Foam, alcohol foam, CO₂, dry chemical, water fog.

Unusual Fire and Explosion Hazards: Pressure may build up in closed containers that are exposed to heat. Solvent vapors are heavier than air and may travel a considerable distance along the ground to an ignition source and flash back.

Special Firefighting Procedures: Water may be used as a fog or spray. MESA/NIOSH approved self-contained breathing apparatus should be worn when fighting indoor fires, and should be available when fighting outdoor fires.

SECTION 5 – STABILITY AND REACTIVITY

Conditions to Avoid: Storage above 100°F (37.8°C), exposure to excessive heat.

Incompatibility: Strong mineral acids and oxidizing agents.

Hazardous Decomposition Products: By fire: normal products of incomplete combustion.

Hazardous Polymerization: Will not occur under normal conditions.

Stability: This product is stable under normal storage conditions.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Steps to be taken in case material is release or spilled: Small spills may be absorbed on appropriate absorbent such as vermiculite, clay based absorbents, etc. Large spills should be handled by stopping the flow of the liquid at its source, preventing further spread of the spill (as in dinking), and transferring the liquid and any spill clean-up debris to proper containers.

Disposal Methods: Dispose in accordance with federal, state and local regulations.

Storage Method: Store in properly sealed container. Avoid temperature below freezing. Avoid temperatures above 100° F (38°C)

SECTION 7 – HAZARDS IDENTIFICATION

Emergency Overview – May cause skin irritation. May be irritating to eyes. Vapor from heated product may cause eye and respiratory irritation.

Effects of Overexposure – Eye Contact: Can cause eye irritation, redness, tearing. May cause eye irritation or injury which may persist for days.

Effects of Overexposure – Skin Contact: May cause skin irritation. Allergic reactions are possible. May cause skin sensitization, allergic reaction, which becomes evident on re-exposure to this material. Burns can result from prolonged contact.

Effects of Overexposure – Inhalation: Excessive inhalation of vapors can cause nasal and respiratory irritation, and central nervous system effects such as dizziness, fatigue, nausea, headache. If product is sprayed, inhalation of solid airborne particles may irritate the respiratory tract and lungs.

Effects of Overexposure – Ingestion: No hazard in normal industrial use.

Effects of Overexposure – Chronic Hazards: No chronic effects expected in normal use. Limited evidence of mutagenicity.

Primary Route(s) of Entry: SKIN CONTACT INHALATION EYE CONTACT.

Material Safety Data Sheet

UltraCoat® Giclee Satin Matte



SECTION 8 – FIRST AID MEASURES

First Aid – Eye Contact: Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation persists.

First Aid – Skin Contact: Wash with soap and water. Get medical attention if irritation develops or persists. Wash contaminated clothing before reuse. Immediately remove clothing and wash affected area with soap and water for at least 15 minutes. Material is difficult to remove. Do not use solvent to clean skin as this increases penetration. Incinerate leather shoes, belts, etc., as these cannot be cleaned. Wash clothing thoroughly before reuse.

First Aid – Inhalation: Remove from exposure, treat symptomatically. Get medical attention if symptoms persist.

First Aid – Ingestion: Get medical attention immediately. If swallowed, give water to dilute. Do not induce vomiting. If swallowed in appreciable amounts, get medical attention. Very small amounts are practically non-toxic.

SECTION 9 – PRECAUTIONS FOR SAFE HANDLING AND USE

Handling: Wash thoroughly after handling. Use with adequate ventilation. Follow all MSDS/label precautions even after container is emptied because it may retain product residues. Do not store above 100°F. Dissolved air is required for inhibitor to function. To prevent loss of inhibitor, do not blanket with nitrogen. Store in opaque or amber glass containers. Material may solidify at low temperatures, and may be melted in a water bath no warmer than 120°F for no more than 24 hours. Never use steam or electrical heaters.

Storage: Keep away from heat, sparks, and flame. Keep container closed when not in use. This product is inhibited to prevent uncontrolled polymerization. Polymerization can generate heat and pressure and may cause product container to rupture. Check inhibitor space often and add inhibitor to bulk liquid if needed. Maintain head space in storage containers to support oxygen requirements of the inhibitor(s). Prevent materials from freezing (inhibitor can separate from product as a solid). Store below 90°F (32°C) and away from heat sources, strong oxidizers, radiation and other initiators. Use product within six months. Do not heat material with a drum heater.

Disposal Method: Not considered a hazardous waste by RCRA regulations. Incinerate or use biological treatment in accordance with federal, state, and local regulations. Do not incinerate in a closed container. Incineration is recommended.

SECTION 10 – CONTROL MEASURES

Ventilation: Adequate ventilation is required when handling this product. Local exhaust is recommended to vent aerosol or vapors.

Respiratory Protection: When exposed to significant amounts of aerosols or vapors, use full face respirator with organic vapor cartridge and particulate pre-filter. Use self contained breathing apparatus (SCBA) in confined spaces (29 CFR 1910.146) or emergency situations.

Skin Protection: Wear chemically impervious gloves. Use a face shield, impervious apron or outerwear and boots during operations where significant contact can occur.

Eye Protection: Avoid contact with eyes. Wear chemical splash goggles or safety glasses.

Other Protective Equipment: Where splashing is possible, an impermeable apron and boots should be worn. Neoprene gloves are recommended. For operations where contact can occur, a face shield, impervious body covering and boots are recommended.

Hygienic Practices: Avoid long and repeated contact with skin. Safety shower and eye wash facility should be available.

Material Safety Data Sheet

UltraCoat® Giclee Satin Matte



SECTION 11 – REGULATORY INFORMATION

Status on Substance Lists: The concentrations shown are maximum or ceiling levels (weight %) to be used for calculations for regulations. Trade Secrets are indicated by "TS"

TSCA : All components of this material are included on the TSCA inventory of chemical substances.

N-methyl pyrrolidone is the subject of an enforceable consent agreement concerning health effects testing under TSCA section 4(a) (40 CFR 799.5000). As a result, any export of this product is subject to TSCA section 12(b) notification requirements (40 CFR 707.60) reports to US EPA should reference N-methyl pyrrolidone (CAS # 872-50-4).

Comprehensive Environmental Response Compensation, and Liability Act of 1980 (CERCLA) requires notification of the National Response Center of release of quantities of Hazardous Substance equal to or greater than the reportable quantities (RQs) in 40 CFR 302.4.

Components present in this product at a level which could require reporting under the statute are: NONE

Superfund Amendments and Reauthorization Act of 1988 (SARA) Title III requires emergency planning based on Threshold Planning Quantities (TPQs) and release reporting based on Reportable Quantities (RQs) in 40 CFR 355 (used for SARA 302, 311, and 312).

Components present in this product at a level which could require reporting under the statute are: NONE

Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III requires submission of annual reports of release of toxic chemicals that appear in 40CFR 372 (for SARA 313). This information must be included in all MSDS that are copied and distributed for this material.

Components present in this product at a level which could require reporting under the status are: NONE

TSCA INVENTORY STATUS: All components of this product are listed on the TSCA registry

SECTION 12 - STATE RIGHT-TO-KNOW

CALIFORNIA Proposition 65. Components present in this product at a level which could require reporting under the statute are: NONE

MASSACHUSETTS 105 CMR 670,000 Right-to-Know. Substance List (MSL) Hazardous Substances and Extraordinary Hazardous Substances on the MSL must be Identified when present in products. Components present in this product at a level which could require reporting under the statute are: NONE

PENNSYLVANIA and/or NEW JERSEY Right-to-Know. Hazardous Substance List Hazardous Substances and Special Hazardous Substances on the List must be identified when present in products.

Components present in this product at a level which could require reporting under the statute are: N-methyl pyrrolidone (CAS # 872-50-4)

OTHER REGULATORY INFORMATION: NONE KNOWN

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