

# MATERIAL SAFETY DATA SHEET

## SECTION I - PRODUCT IDENTIFICATION AND COMPANY INFORMATION

PRODUCT NAME: **UV COATING SYSTEMS**

DATE PRINTED:

2/23/2009

PRODUCT NUMBER:

PRODUCT USE/CLASS:

### SUPPLIER:

NEW FINISH PRO

8375 CAMINO SANTA FE, SUITE A

SAN DIEGO, CA 92121

PHONE: 800-NEW-FINISH (800) 639-3464

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**CHEMTREK 24-HOUR EMERGENCY TELEPHONE: 800-424-9300**

## SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

ITEM	CHEMICAL NAME	CAS NUMBER	WT/WT % LESS THAN
01	Urethane Acrylate	Proprietary	20 - 50%
02	Polyester Acrylate	Proprietary	20 - 50%
03	Acrylate Esters	Proprietary	40 - 60%
04	Photo Initiators	Proprietary	3 - 15%

\*\*\* No toxic chemicals subject to the reporting requirements of Section 313 of Title III and of 40 CFR 372 are present.\*\*\*

NO ADDITIONAL INFORMATION APPLICABLE.

## SYNOPSIS

**This material is considered non-toxic, non-flammable and contains no materials that require reporting under TSCA. It contains no volatile organic compounds (VOC's). It will not cause cancer or cause birth defects in unborn children.**

It is classified as an irritant. This means that it may cause mild respiratory or skin reactions in sensitive individuals. It should not be used in a closed area without ventilation, as odors may not dissipate readily. **As with any chemical product, it should always be handled with gloves**, and it is advisable to apply a barrier cream before putting on the gloves. **It should always be used with eye protection**, as any material splashed or introduced into the eye may cause burning and irritation. It should not be allowed to contact clothing or shoes, as it may cause skin contact that will go unnoticed for some time. If the product is sprayed, the area should be well-ventilated and the operators should wear respirators with organic vapor cartridges and spray goggles.

## SECTION 3 - HAZARDS IDENTIFICATION

**MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:** Asthma, dermatitis.

**EFFECTS OF OVEREXPOSURE - SKIN AND EYE CONTACT:** May cause moderate skin injury (reddening & swelling) and/or sensitization. Prolonged contact may cause blister formation (burns). Irritation may not occur immediately--contact can go unnoticed.

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**SECTION 3 - HAZARDS IDENTIFICATION (Continued)**  
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**EFFECTS OF OVEREXPOSURE - SKIN CONTACT:** Skin absorption is not a primary entry path. However, if contact is maintained with skin for long periods, some absorption may occur.

**EFFECTS OF OVEREXPOSURE - INHALATION:** Specific information is not available, however, excessive heating (>80c) can generate vapors that may cause headaches, dizziness, and respiratory irritation if inhaled.

**EFFECTS OF OVEREXPOSURE - INGESTION:** If appreciable quantities are swallowed, seek medical attention.

**EFFECTS OF OVEREXPOSURE - ACUTE AND CHRONIC HAZARDS:** Acute--may cause irritation of skin, eyes or mucosa as a result of prolonged exposure.  
Chronic--may cause sensitization in some individuals.

**CARCINOGENICITY:** NTP? No      **IARC MONOGRAPHS?** No      **OSHA REGULATED?** No

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**SECTION 4 - FIRST AID MEASURES**  
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**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:** Remove contaminated clothing and wash with soap and water for >15 minutes. Particular attention should be paid to hair, nose, ears and other areas not easily cleaned. See special precautions--effects can be delayed 24-48 hours.

**FIRST AID - INHALATION:** In case of exposure to high concentration of vapor or mist, remove person to fresh air. If breathing has stopped, administer artificial respiration and seek medical attention.

**FIRST AID - INGESTION:** If appreciable quantities are swallowed, seek medical attention.

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**SECTION 5 - FIRE FIGHTING MEASURES**  
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**FLASH POINT:** >200° F

**METHOD USED:** SETAFLASH

**FLAMMABLE LIMITS IN AIR BY VOLUME - LOWER:** N/A      **UPPER:** N/A

**EXTINGUISHING MEDIA:** Foam, CO2, Dry Chemical, Water Fog

**USUAL FIRE AND EXPLOSION HAZARDS:** High temperatures and fire conditions may cause rapid and uncontrolled polymerization which can result in the rupture of storage vessels or containers. Avoid the use of a stream of water to control fires since frothing can occur. Thermal decomposition can lead to the evolution of irritant vapors or gases and/or fires.

**SPECIAL FIREFIGHTING PROCEDURES:** Remove all ignition sources. Wear self contained breathing apparatus and complete personal protective equipment. Fight fire from safe distance. Use water spray/fog for cooling. Avoid frothing/steam explosion.

## SECTION 6 - ACCIDENTAL RELEASE MEASURES

**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:** Restrict access to spill area. Eliminate ignition sources. Use skin and eye protection. Place leaking containers in a well ventilated area. Absorb with inert material and dispose. Flush area with water; prevent washings from entering waterways.

## SECTION 7 - HANDLING AND STORAGE

**HANDLING:** Use chemical safety goggles and impermeable gloves. Safety shower and eye bath. Mechanical exhaust recommended. Avoid inhalation. Do not get in eyes, on skin, or clothing. Avoid prolonged or repeated exposure. Wash thoroughly after handling.

**STORAGE:** Store in cool dry place. Avoid ignition sources. Keep containers closed. Dissolved air is required for inhibitor to function. To prevent loss of inhibitor do not blanket or sparge with nitrogen. Store sample in opaque or amber containers. Remove all contaminated clothes, shoes, belts, and leather goods immediately. Solvents should not be used to clean skin because of increased penetration potential.

## SECTION 8 - EXPOSURE CONTROL/PERSONAL PROTECTION

**RESPIRATORY PROTECTION:** Local exhaust is recommended to control exposure which may result from operations generating aerosols and hot operations generating vapors. When exposed to aerosols or vapors, use full face NIOSH/MSHA approved respirator with particulate pre-filter. In emergency situations, or when used in confined spaces, use self-contained breathing apparatus or other air supplied full face respirator. Use manufacturer's recommendations where applicable.

**SKIN PROTECTION:** Use impermeable gloves (neoprene, latex or nitrile). A combination of barrier cream, applied before exposure, and gloves is recommended.

**EYE PROTECTION:** Chemical splash goggles.

**OTHER PROTECTIVE EQUIPMENT:** A safety shower and eye wash facility should be available. Remove all contaminated clothes, shoes, belts, and leather goods immediately. Solvents should not be used to clean skin because of increased penetration potential.

**HYGIENIC PRACTICES:** Wash gloves frequently with soap and water. Avoid touching exposed skin areas with gloved hands. Avoid contact lenses. Establish good personal hygiene and work practices. Always wash hands before eating, drinking or smoking.

## SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

**BOILING RANGE:** >200° F

**ODOR:** Resinous odor

**APPEARANCE:** Viscous clear liquid

**SOLUBILITY IN H2O:** Not soluble in water  
(See Section 16 for abbreviation legend.)

**VAPOR DENSITY:** N/A

**SPECIFIC GRAVITY:** (H2O)=1) : 1.01

**EVAPORATION RATE:** N/A

**COATING V.O.C.:** 0

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**SECTION 10 - STABILITY AND REACTIVITY**  
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**CONDITIONS TO AVOID:** Heat; open flame; light; UV radiation; inert gas blanketing, contamination with incompatible materials.

**INCOMPATIBILITY (MATERIALS TO AVOID):** Primary and secondary amines, acids, alkalis, free radical producing initiators.

**HAZARDOUS DECOMPOSITION OR PRODUCTS:** Fumes produced when heated may include but are not limited to: carbon monoxide, carbon dioxide and oxides of nitrogen.

**HAZARDOUS POLYMERIZATION:** May occur. Exothermic with the evolution of irritant fumes.

**STABILITY:** Unstable. May undergo polymerization.

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**SECTION 11 - TOXICOLOGICAL INFORMATION/PROPERTIES**  
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**TOXICOLOGICAL INFORMATION:** No product or component toxicological information is available.

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**SECTION 12 - ECOLOGICAL INFORMATION**  
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**ECOLOGICAL INFORMATION:** Refer to local, county, state and federal storm water and air quality regulations.

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**SECTION 13 - DISPOSAL CONSIDERATIONS**  
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**DISPOSAL METHOD:** Polymerize material and dispose as solid waste or incinerate or use biological treatment in accordance with federal, state, local, and environmental regulations.

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**SECTION 14 - TRANSPORTATION INFORMATION**  
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No transportation information is available.

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**SECTION 15 - REGULATORY INFORMATION**  
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**U.S. FEDERAL REGULATIONS: AS FOLLOWS -**

**OSHA:** No information available.

**CERCLA - SARA HAZARD CATEGORY:** This product has been reviewed according to the EPA "Hazard Categories" promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:

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**SECTION 15 - REGULATORY INFORMATION (Continued)**  
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**SARA SECTION 313:**

This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372:

No toxic chemicals subject to the reporting requirements of Section 313 of Title III and of 40 CFR 372 are present.

**U.S. STATE REGULATIONS: AS FOLLOWS -**

**PENNSYLVANIA RIGHT-TO-KNOW:** No information available.

----- CHEMICAL NAME -----	CAS NUMBER
Urethane Acrylate	Proprietary
Polyester Acrylate	Proprietary
Acrylate Esters	Proprietary
Photo Initiators	Proprietary

**CALIFORNIA PROPOSITION 65:**

None known.

**INTERNATIONAL REGULATIONS: AS FOLLOWS -**

**CANADIAN WHMIS:** This MSDS has been prepared in compliance with Controlled Product Regulations except for use of the 17 headings.

**CANADIAN WHMIS CLASS:** No information available.

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**SECTION 16 - OTHER INFORMATION**  
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**LEGEND:** N.A. - Not Applicable, N.E. - Not Established, N.D. - Not Determined

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**SECTION 17 - USER'S RESPONSIBILITY**  
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The responsibility to provide a safe workplace remains with the user. The user should consider the health hazard and safety information contained herein as a guide and should take those precautions required in an individual operation to instruct employees and develop work practice procedures for a safe work environment.

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The information contained on this MSDS has been checked and, to the best of our knowledge and belief, accurate. Some of the information presented and concluded herein is from sources other than direct test data on the product. Some information was obtained from sources which we believe are reliable, however it is provided without warranty. Since the conditions or methods of handling, storage, use and disposal of the product are beyond our control, we make no guarantee of results, and assume no liability for damages incurred by use of this material. It is the responsibility of the user to comply with all Federal, State, and Local laws and regulations.

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**(END OF MSDS)**  
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