MATERIAL SAFETY DATA SHEET

9742 UV CURABLE PRIMER

01. GENERAL INFORMATION

ChemSpec USA, Inc.
9287 Smucker Road
Orrville, OH 44667

Emergency phone numbers:
800/424-9300 (CHEMTREC)

Product Information
800/328-4892

GENERIC NAME
UV CURE PRIMER

UN/NA NUMBER
N/AP

DOT PROPER SHIPPING NAME
PAINT

DOT HAZARD CLASS
FLAMMABLE LIQUID

02. SUMMARY OF HAZARDS

WARNING

PHYSICAL HAZARDS: Unstable (reactive) upon depletion of inhibitor

ACUTE HEALTH EFFECTS: Suspect respiratory tract irritation hazard
Slight eye irritation hazard
Moderate skin irritation hazard
Skin sensitization hazard
Slight toxic if ingested in significant quantities
Slight skin absorption hazard

CHRONIC HEALTH EFFECTS (LONG-TERM): No data is available on the chronic health effects of this product.

03. COMPONENTS

COMPONENT NAME	CAS NUMBER	
1. Urethane Acrylates	Proprietary	20-30% by weight
2. Inert fillers	Non-Hazardous as per CFR 1910.1200	
3. Urethane Monomers	Proprietary	10-20% by weight
4. Ethyl Acetate	141-78-6	10-20% by weight
5. Acetone	67-64-1	1-10% by weight

04. PHYSICAL AND CHEMICAL DATA

BOILING POINT
N/D

FREEZING POINT
N/D

SPECIFIC GRAVITY (H2O=1 qt 39.2F)
AP 1.304 at 25C/77F

VOC
2.1 lbs/gallon

VOLATILE CHARACTERISTICS VOLUME
32%

SOLUBILITY IN WATER
Slight

STABILITY
Stable

VOLATILE % BY WT
22.00%

04. PHYSICAL AND CHEMICAL DATA (Cont.)

HAZARDOUS POLYMERIZATION

May occur

APPEARANCE AND ODOR

Gray solution with Ester odor

CONDITIONS AND MATERIALS TO AVOID

High temperatures, localized heat sources (i.e., drum or band heaters), oxidizing conditions, freezing conditions, direct sunlight, ultraviolet light, inert gas blanketing; strong oxidizers, strong reducers, free radical initiators, inert gases, oxygen scavengers.

HAZARDOUS DECOMPOSITION PRODUCTS

Acrid smoke-fumes/carbon monoxide/carbon dioxide and perhaps other toxic vapors may be released during a fire involving this product.

05. OCCUPATIONAL EXPOSURE LIMITS

SUBSTANCE	CAS#	Vapor Pressure	SARA 313	OSHA	ACGIH	STEL
Acetone	67-64-1	181.0	NO	750 ppm	750 ppm	100 ppm
Ethyl Acetate	141-78-6	76.0	NO	400 ppm	400 ppm	----

06. FIRE AND EXPLOSION

FLASH POINT METHOD=(PMCC)

0°F

AUTOIGNITION TEMP. METHOD=N/DA

FLAMMABLE LIMITS (% VOLUME IN AIR)

LOWER: 1% UPPER: 6%

FIRE AND EXPLOSION HAZARDS

High temperatures, inhibitor depletion, accidental impurities, or exposure to radiation or oxidizers may cause polymerizing reaction-generating heat/pressure. Closed containers may rupture or explode during runaway polymerization.

EXTINGUISHING MEDIA

Dry chemical

CO2

Foam

Use water spray/water fog for cooling

SPECIAL FIREFIGHTING PROCEDURES

Do not enter fire area without proper protection. See Section 4 - Decomposition products possible. Fight fire from safe distance/protected location. Heat/impurities may increase temperature/build pressure/rupture closed containers, spreading fire, increasing risk of burns/injuries. Water may be ineffective in firefighting due to low solubility. Use water spray/fog for cooling. Pressure relief system may plug with solids, increasing risk of overpressure. Notify authorities if liquid enters sewer/public waters.

07. HEALTH HAZARDS

Acetone: Can cause dermatitis.

ROUTES OF EXPOSURE

INHALATION

No significant signs or symptoms indicative of any adverse health hazards are expected to occur at standard conditions.

EYE CONTACT - PRIMARY ROUTE

May cause minor eye irritation. Symptoms may include excessive tearing, blinking, and redness.

SKIN ABSORPTION

No significant signs or symptoms indicative of any adverse health effects are expected to occur as a result of skin absorption.

SKIN IRRITATION - PRIMARY ROUTE

This material may cause moderate skin irritation and allergic skin reaction. May cause rash, redness, swelling, and blistering - these symptoms may be delayed.

INGESTION

This material may be slightly toxic if ingested in large quantities.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE

This material or its emissions may induce an allergic or sensitization reaction and thereby aggravate systemic disease. May aggravate preexisting allergies or Eczema.

08. PROTECTIVE EQUIPMENT/CONTROL MEASURES

RESPIRATORY PROTECTION

No occupational exposure standards have been developed for this material. Where exposure through inhalation may occur from use, NIOSH/MSHA approved respiratory protection equipment is recommended.

EYE PROTECTION

Eye protection such as chemical splash goggles and/or face shield must be worn when possibility exists for eye contact due to splashing or spraying liquid, airborne particles, or vapor. Contact lenses should not be worn.

During UV light exposure with specified UV light, use plastic poly carbonate safety glasses or sunglasses.

SKIN PROTECTION

When skin contact is possible, protective clothing including gloves, apron, sleeves, boots, head and face protection should be worn. This equipment must be cleaned thoroughly after each use.

General room or local exhaust ventilation is usually required.

OTHER HYGIENIC PRACTICES

Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

08. PROTECTIVE EQUIPMENT/CONTROL MEASURES (Cont.)

OTHER WORK PRACTICES

Use good personal hygiene practices. Wash hands before eating, drinking, smoking, or using toilet facilities. Promptly remove soiled clothing/wash thoroughly before reuse. Shower after work using plenty of soap and water.

09. EMERGENCY AND FIRST AID

INHALATION

If overcome by exposure, remove victim to fresh air immediately. Give oxygen or artificial respiration as needed. Obtain emergency medical attention. Prompt action is essential.

EYE CONTACT

In case of eye contact, immediately rinse with clean water for 20-30 minutes. Retract eyelids often. Obtain emergency medical attention if irritation persists.

SKIN CONTACT

Immediately remove contaminated clothing. Wash skin thoroughly with mild soap/water. Flush with lukewarm water for 15 minutes. If sticky, use waterless cleaner first. Seek medical attention if ill effect or irritation develops.

INGESTION

Ingestion unlikely. However, if ingested, obtain emergency medical attention. Induce vomiting if ingested due to slight toxicity.

EMERGENCY MEDICAL TREATMENT PROCEDURES

If exposed, treat skin and eye burns or irritation symptomatically after decontamination.

10. SPILL AND DISPOSAL

PRECAUTIONS IF MATERIAL IS SPILLED OR RELEASED

Spilled or released material may polymerize and release heat/gasses. Extinguish all ignition sources and ventilate area. Wear protective equipment during clean-up. Dike and recover large spill. Soak up small spill with inert solids (such as vermiculite, clay) and sweep shovel into vented disposal container. Wash spill area with strong detergent and water solution; rinse with water but minimize water use during cleanup. For spills on water, contain, minimize dispersion, and collect. Dispose/report per regulatory requirements. Contain spills from entering waterways or sewers.

WASTE DISPOSAL METHODS

Non-Contaminated, properly inhibited product is not a RCRA hazardous waste. However, contaminated product/soil/water may be RCRA/OSHA hazardous waste due to potential for internal heat generation (see 40 CFR 261 and 29 CFR 1910). It is the responsibility of the generator to determine at the time of disposal whether the product meets the criteria of a hazardous waste. Comply with all applicable federal, state, and local regulations. Use registered transporters. Disposal options include landfilling solids at permitted sites; fuel blending or incinerating liquids. Assure emissions comply with applicable regulations. Dilute aqueous waste may biodegrade; avoid overloading/poisoning plant biomass. Assure effluent complies with applicable regulations.

11. SUPPLEMENT

NPCA HMIS RATING

Health	2
Flammability	3
Reactivity	2
Personal Protection**	D

**Respirator protection may be necessary depending on conditions of use - NIOSH/MSHA approved air-purifying or supplied air respirator is recommended in situations where airborne concentrations may be significant (I.e. vapor or mist generating conditions).

REGULATORY INFORMATION

TSCA Status:

All components of this product are listed, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory.

CALIFORNIA PROPOSITION 65 INFORMATION:

This product contains trace substances known to the state of California to cause cancer and/or reproductive harm.

The information in this MSDS was obtained from sources that we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. Some of this information presented and conclusions drawn herein are from sources other than direct test data on the product itself.

This MSDS has been prepared in accordance with the requirements of the OSHA Hazard Communication Standard (29 CFR 1910.1200).