

# Material Safety Data Sheet

## AccuCure® 4XG POP



### SECTION 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: AccuCure UV 4XG POP  
Item Number: 5004411  
Product Use: UV Liquid Coating  
Date: 11/26/2007

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](http://www.neschenbrands.com/MSDS)

### SECTION 2 – COMPOSITION/INFORMATION ON INGREDIENTS

Item	Chemical Name	Exposure Limits		Vapor Pressure (mm Hg @ 20 C) 1)
		TLV	PEL	
01	Acrylate Ester	Not Established	Not Established	< 1
02	Glycol Ether Acrylate3	Not Established	Not Established	< 1
02	Acrylated Amine	Not Established	Not Established	< 1
02	Vinyl Monomer	Not Established	Not Established	< 1
02	Acrylated Urethane	Not Established	Not Established	< 1
02	Photoinitiators	102mg/m <sup>3</sup>	Not Established	< 1

### SECTION 3 – PHYSICAL AND CHEMICAL PROPERTIES

Boiling Range:	150° C	Vapor Density:	Is heavier than air
Odor:	Not Determined	Odor Threshold:	Not Determined
Appearance:	Milky Liquid	Evaporation Rate:	Not Determined
Solubility in H <sub>2</sub> O:	Not Available	Specific Gravity:	Not Determined
Freeze Point:	Not Determined	pH @ 0.0%:	Not Determined
Vapor Pressure:	Not Determined	Viscosity:	Not Determined
Physical State:	Not Determined	Density:	8.97 lbs/gl
Weight % Solids:	Not Determined		

### SECTION 4 – FIRE AND EXPLOSION HAZARD DATA

**Flash Point:** 200°F

**Flammable Limits:** Not Applicable

**Autoignition Temperature:** Not Determined

**Extinguishing Media:** Carbon Dioxide, dry chemical, foam, water fog

**Unusual Fire and Explosion Hazards:** High temperatures and fire conditions may cause rapid, uncontrolled polymerization, which can result in explosions of storage containers. Avoid the use of water to control fire as frothing may result. High temperatures and fire conditions may cause rapid and uncontrolled polymerization which can result in explosions and the violent rupture of storage vessels or containers. Avoid the use of a stream of water to control fires since frothing can occur.

**Special Firefighting Procedures:** As in any fire, wear self-contained breathing apparatus pressure-demand (MSHA/NIOSH approved or equivalent) and full protective gear. Remove all ignition sources.

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### SECTION 5 – STABILITY AND REACTIVITY

**Conditions to Avoid:** Extreme temperatures (storage above 100° F), exposure to light, x-ray sources, electron beam sources, ultraviolet radiation sources and excessive heat.

**Incompatibility:** Avoid contact with strong acids, oxidizers, alkali metal hydroxides, polymerization initiators, peroxides and inert gases.

**Hazardous Decomposition Products:** Products of combustion can include carbon dioxide, carbon monoxide and mixed oxides of nitrogen.

**Hazardous Polymerization:** Could occur under normal conditions.

**Stability:** Material is unstable.

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### SECTION 6 – ACCIDENTAL RELEASE MEASURES

**Steps to be taken in case material is release or spilled:** Absorb spill with inert materials then place in a chemical waster container. Avoid runoff into storm sewers and ditches which lead to waterways. Spontaneous polymerization may occur. Eliminate ignition sources. Use eye and skin protection. Ventilate area.

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### 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.

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### 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.

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### 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. Product has a shelf life of 1 year but it is recommended that it is used within six months for best results. 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.

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### SECTION 10 – CONTROL MEASURES

**Engineering Controls:** Use explosion-proof ventilation equipment. Facilities storing or utilizing this material should be equipped with an eyewash facility and safety shower.

**Respiratory Protection:** Local exhaust ventilation may be necessary to control any air contaminants to within their TLVs during the use of this product. If material is sprayed, sufficient local exhaust must be used to remove solid airborne particles. A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.

**Skin Protection:** Gloves should be worn to avoid prolonged skin contact. The glove(s) listed below may provide protection against permeation. Gloves of other chemically resistant materials may not provide adequate protection. Chemically resistant gloves should be worn if contact is likely. Neoprene gloves.

**Eye Protection:** Chemical safety goggles must be worn.

**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:** Wash hands before eating. Remove contaminated clothing and wash before reuse. Use only in a well ventilated area. Avoid prolonged or repeated contact with skin. Avoid contact with eyes, skins, and clothing.

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