

As part of Northwest Coatings program to communicate health and safety information to our customers, we regularly review and update our MSDS to provide information that is as complete and current as possible. The attached MSDS is the current update for the product that we currently supply to your company. If any hazardous components are present, they will be listed in the MSDS section II Hazardous Components along with the CAS number and the percent present in the compound. Information is also reported in Section II to meet the requirements of SARA Title III – Section 313.

This memo is part of the MSDS and must not be detached from the MSDS. Any copying or redistribution of the MSDS shall include this memo. We suggest you read the enclosed material closely and forward it to the appropriate personnel within your company. If you have any questions about this information, please contact us at 414-762-3330 or Chemtrec at 1-800-424-9300.

NORTHWEST COATINGS

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Material Safety Data Sheet

PRODUCT # ST31M

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NORTHWEST COATINGS
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EMERGENCY PHONE NUMBER: Chemtrec 800-424-9300
PREPARED BY: S. Lapin
PREPARATION DATE: 6-22-05
REVISION DATE: 6-12-06

I. PRODUCT IDENTIFICATION

PRODUCT: ST31M		HMIS CODE
TRADE NAME: MATTE SCREEN TOPCOAT	HEALTH:	2
CHEMICAL NAME: Mixture	FLAMMABILITY:	1
CHEMICAL FAMILY: UV/EB Curable Product	REACTIVITY:	1
	PERSONAL PROTECTION:	B

II. HAZARDOUS COMPONENTS

<u>COMPONENT</u>	<u>CAS NUMBER</u>	<u>Weight %</u>	<u>Regulated Under SARA 313</u>	<u>ACGIH TLV</u>	<u>OSHA PEL</u>
Acrylate Monomers and Oligomers	Trade Secret	Trade Secret	No	Not Established	Not Established

III. PHYSICAL PROPERTIES

BOILING POINT:	>200°C	SPECIFIC GRAVITY:	>1
APPEARANCE AND ODOR:	Mobil liquid, light amber color, mild acrylate odor.	EVAPORATION RATE (n-Butyl Acetate = 1):	<1
VAPOR PRESSURE (MM HG at 25°C):	<1	VAPOR DENSITY (air=1):	>1
SOLUBILITY IN WATER:	Insoluble		

IV. REACTIVITY DATA

STABILITY: Stable under normal storage and use conditions.

CONDITIONS TO AVOID: Storage above 100°F. Direct exposure to sunlight or intense artificial lighting.

INCOMPATIBILITY (material to avoid): Polymerization initiators including peroxides, copper, iron, rust and strong bases.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide, Carbon dioxide

HAZARDOUS POLYMERIZATION: May occur. Avoid polymerization initiators and storage above 100°F. Maintain air space in containers. Do not blanket containers with nitrogen or other inert gases.

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V. FIRE & EXPLOSION HAZARD DATA

FLASH POINT (°F): >200°F seta flash **FLAMMABLE LIMITS:** Not established **LEL:** No data **UEL:** No data

EXTINGUISHING MEDIA: Carbon dioxide or dry chemical for small fires. – Aqueous foam or water fog for large fires.

SPECIAL FIRE FIGHTING PROCEDURES: Remove all ignition sources. Wear self-contained breathing apparatus and complete personal protective equipment.

UNUSUAL FIRE & EXPLOSION HAZARDS: High temperature may cause rapid polymerization which can result in the violent ruptures of storage containers.

VI. HEALTH HAZARD DATA

A. LISTED CARCINOGENICITY: **IARC -** No **NTP -** No **OSHA -** No

B. EFFECTS OF OVEREXPOSURE Effects may be delayed. May result in sensitization.

EYE: Eye irritant, Direct contact may cause eye injury.

SKIN: Skin irritant, Direct contact may cause skin injury (reddening or burn).

INHALATION: May irritate nose, throat, and lungs. Only slightly toxic by inhalation.

INGESTION: Only slightly toxic by ingestion.

KNOWN EFFECTS ON OTHER ILLNESS: None known.

C. EMERGENCY AND FIRST AID PROCEDURES

EYE: Flush eyes with water, remove contact lenses, get medical attention.

SKIN: Wipe off excess, immediately wash with soap and water.

INHALATION: Leave exposure area and seek fresh air.

INGESTION: Seek medical attention.

D. PROTECTIVE EQUIPMENT

EYE: Chemical safety goggles.

SKIN: Impervious gloves such as Neoprene, nitrile, or latex.

VENTILATION: Local ventilation of work area recommended.

RESPIRATORY PROTECTION: None required under most application conditions. If local ventilation is not adequate, use an organic vapor respirator under conditions that produce increased airborne levels such as misting or elevated temperatures.

OTHER PROTECTIVE EQUIPMENT: Where contact may occur use face shield, impervious body covering and boots.

VII. PRECAUTIONS FOR SAFE HANDLING AND STORAGE

A. STEPS TO BE TAKEN IN CASE OF SPILL OR LEAK
Provide adequate ventilation. Absorb spill with sawdust, clay, etc. Use eye and skin protection. Sweep up and place in waste disposal containers. Wash affected area with detergent and water.

B. HANDLING AND STORAGE:
Store in a cool, dry location, away from heat and sunlight. Store below 100°F.

VIII. OTHER DISPOSAL INFORMATION

Generally considered non-hazardous for disposal purposes. Dispose in accordance with local, state, and federal regulation. Incineration recommended.