

MATERIAL SAFETY DATA SHEET (91/155/EEC) (Temporay)

1/4

27/10/2005

**FRI CURE UV-12117
UV FLEXO OVERPRINT VARNISH GLOSS PAPER****1. PRODUCT AND COMPANY IDENTIFICATION**

Chemical identification: ACRYLATED OLIGOMER(S)
IN ACRYLATED MONOMER(S)

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2.COMPOSITION

Hazardous substance: Acrylated oligomer(s) Xi – R36
Acrylated monomer(s) Xi – R36/38

3.HAZARD IDENTIFICATION

Uncontrollable polymerisation of product with generation of heat can occur if the product is stored at temperature higher than 60°C or if it is exposed to direct sunlight.
Irritating to eyes and mucous membranes.

4.FIRST AID PROCEDURES

Eye Contact: Irrigate with pure water for at least 3 minutes, then seek medical attention.

Skin Contact: Wash with soap, rinse with water, seek medical attention.

Inhalation: Take to fresh air.

Ingestion: Do not induce vomiting.
If vomiting should occur spontaneously keep airway clear.
Seek medical attention.
Never give anything by mouth to an unconscious person.

Others: Remove soaked clothing immediately.

5. FIRE FIGHTING PROCEDURES

Suitable extinguishing media:	Carbon Dioxide, Dry Chemical, Foam, Waterspray
Unsuitable extinguishing media:	None to our knowledge.
Exposure hazard:	Keep container cool by spraying with water if exposed to fire. Product may polymerize at high temperature. Polymerization is a highly exothermic reaction and may produce sufficient heat to cause thermal decomposition and/or rupture of container.
Special equipment:	Pressure demand self contained breathing apparatus should be provided to fire fighters in Building or confined area where this material is stored.

6. ACCIDENTAL RELEASE PROCEDURES

Precautions with respect to individuals:	Protective glasses. Suitable gloves. Protective clothing. Remove soaked clothing immediately.
Precautions with respect to environment:	Avoid discharge into the environment. Stop leaks as soon as possible. Clean up spillage immediately.
Cleaning up spillage:	Absorb product with a suitable material such as paper, rags, sawdust.

7. STORAGE AND HANDLING

Storage:	Do not expose to temperatures exceeding 60°C for a long time. Do not expose to direct sunlight. This might cause uncontrollable polymerization of the product with generation of heat. Storage in stainless steel, amber glass, amber polyethylene or baked phenolic lined container.
Handling:	Use dry air to displace material removed from container. Avoid eye and skin contact. Avoid inhalation. Local exhaust is recommended. Ventilation by local or general exhaust.

8.EXPOSURE CONTROL/INDIVIDUAL PROTECTION

Exposure control:	Contains acrylated monomer(s) with TLV unknown.
Individual protection-respiration:	Ensure adequate ventilation.
Individual protection-hands:	Use protective gloves.Do not wear PVC gloves as PVC absorbs acrylates.
Individual protection-eyes:	Safety glasses are recommended.
Individual protection-skin:	Working suit.

9.PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear
Physical state:	Liquid.
Odour:	Esterlike
Acidity(acid value;mg KOH/g)	Not applicable
Total VOCs:	< 0.5 %
Flash point:	>100°C (Cleveland open cup)
Boiling point:	>100°C
Spontaneous ignition:	no
Explosive properties:	None
Vapour pressure:	< 1 mmHg (20°C)
Specific density:	>1g/ml

10.STABILITY AND REACTIVITY

Conditions to Avoid:	Avoid temperatures higher than 60°C. Avoid direct sunlight. Avoid direct contact with heat sources. Avoid friction with temperature increase as result.
Hazardous Decomposition Products:	Hazardous exothermic polymerization can occur when heated. Hazardous polymerization can occur when exposed to direct sunlight.
Materials to avoid:	Avoid free radical producing initiators. Avoid sources of free radicals; peroxides, metal ions.

11.TOXICOLOGICAL INFORMATION

Information on the product:	The toxicological properties have not fully determined. Irritating to skin and eyes in case of prolonged contact.
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12.ECOLOGICAL INFORMATION

As this is a 100% active material, no evaporation or air pollution during handling under normal conditions can occur.

13.DISPOSAL CONSIDERATIONS

The product may be disposed of under controlled incineration and in agreement with local and national legislation.

14.TRANSPORT REGULATIONS

UN number:	Not applicable
ADR/RID:	Not applicable
IMD:	Not applicable
IATA:	Not restricted as per IATA regulations.

15.REGULATORY INFORMATION

Symbols:	Xi irritant
R Phrase(s):	R 36/38: Irritating to eyes and skin.
S Phrase(s):	S 26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S 28: After contact with skin, wash immediately with plenty of soap and cold water S 36/37/39: Wear suitable protective clothing, gloves and eye/face protection.

16.OTHER INFORMATION

(*) Denotes revision from the previous version of this MSDS.

“This Material Safety Data Sheet complements, but does not replace, our Technical Data Sheet. The information is provided by way of a guide to the use of our product and is correct to the best of our knowledge.

However, neither FRİMPEKS Ltd. nor its subsidiaries can offer any guarantee as to its accuracy or exhaustiveness.

All chemicals may present unforeseen risks and should be used with caution.

We cannot guarantee that the risks referred to above are the only risks present. The final choice of the application of a

Product is thus the sole responsibility of the user.”

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