



Material Safety Data Sheet

Revision Date: 03/05/08

Issue Date: 03/06/08

1. Chemical Product and Company Identification

Product Name: AC M730-L, M620 and AC M625-B Dual Cure Adhesives UV/Heat/Activator Cure

Product Use: Adhesive

Company Address

Addison Clear Wave Coatings, Inc.
306 Beinoris Drive
Wood Dale, IL 60191 USA

Contact Information

Telephone: +1 630 521 9610
Emergency telephone: +1 630 521 9610
web: www.addisoncw.com

2. Composition/Information on Ingredients

Components	%	EINECS#	CAS#
Polyurethane methacrylate resin	40 -80	Proprietary	proprietary
High boiling methacrylate	10-20	231-403-1	7534-94-3
Multifunctional acrylate	10-30	229-551-7	6606-59-3
Polymethyl methacrylate	20-40	exempt (N/A)	9011-14-7
Initiator	1-5	246-386-6	24650-42-8

All ingredients of these adhesives are listed on the following chemical inventory lists:

USA	TSCA
Japan	MITI
Europe	EINECS
Canada	DSL
Australia	AICS
Korea	KECL
Philippines	PICCS
China	Informal 1997 PRC Inventory

3. Hazards Identification

Inhalation: May cause irritation to nose and throat

Skin Contact: Irritating to skin. May cause allergic skin reaction

Eye contact: Vapors may irritate eyes. Contact with eyes will cause irritation

Ingestion: May cause gastrointestinal tract irritation if swallowed

Hazard Rating:

HEALTH: 1
FLAMMABILITY: 1
REACTIVITY: 1
PROTECTIVE: B

Hazard Rating: 4 = Extreme, 3 = serious, 2 = Moderate, 1 = Slight, 0 = minimal, B = Gloves and Eye Protection

4. First Aid Measures

Swallowing: wash mouth out with water – call physician.

Skin contact: wash skin with water and soap.

Inhalation: get in some fresh air, and call physician if any symptoms appear.

Eyes: Flush eyes with water for at least 15 minutes and call physician.

Emergency medical treatment procedures: remove clothing and rinse skin with water. Look for burns or sign of allergic reaction.

5. Fire-Fighting Measures

D.O.T.Hazard class: None

Flammability: No

Flash point: > 220 °C

Volatiles by wt. < 0.1%

Water Soluble: Not soluble

Extinguishing media: Foam, dry chemical or carbon dioxide

Special fire Fighting Procedures: wear self-contained breathing apparatus and full protective clothing, such as turn-out gear

Unusual fire or explosion hazards: None

Hazardous combustion products: Oxides of carbon, oxides of nitrogen, irritating organic vapors

Explosion Data:

Sensitivity to Impact: None

Sensitivity to static discharge: None

Other factors: exposure to high heat above 45 degree C or UV light/sun light may cause a nonhazardous polymerization reaction.

These acrylate resins are 100% solid and are not classified as flammable materials (flash point > 220 °C)

Fire fighting procedure for the event of small fires: water will reduce the intensity of the flames. Fire extinguisher can be used to put out the small fires.

6. Spill and Leak Procedures

Do not discharge to waterways

Clean up using inert solvent and dispose the spilled acrylate solvent mixture under Federal, State and local regulations. Avoid over loading plant biomass.

7. Handling and Storage

Handling: Avoid contact with eyes, skin and clothing. Avoid breathing vapor and mist. Wash thoroughly after handling. Use only with adequate ventilation

Storage: store at 15 to 27°C. Keep in a cool, well ventilated area away from heat, sparks and open flame. Keep container tightly closed until ready for use

Special Shipping Information: UN-Number: Not regulated



8. Exposure controls and personal protection

Hands: Protect hands with Nitrile or Latex gloves

Eyes: Eye glasses with side-shield or goggles are required

Ventilation: general room ventilation is expected in normal usage and storage. Special local ventilation may be needed if used at elevated temperatures.

Other hygienic and work practices: use good personal hygiene practices. Wash hands before eating, drinking, smoking, or using toilet facilities.

9. Physical and Chemical Properties

Physical state:	liquid
Color:	clear
Odor:	Sharp
Odor threshold:	N/A
Vapor pressure:	Less than 10 mm Hg at 27 °C
pH:	N/A
Boiling point:	>160 °C
Melting point:	N/A
Specific Gravity:	1.1
Vapor Density:	N/A
Evaporation rate:	N/A
Solubility in water:	None

10. Stability and Reactivity

Stability:	Stable material
Physical Hazard:	Unstable (reactive) upon depletion of inhibitor
Hazardous decompositions products	Oxides of carbon, Oxides of nitrogen, Irritating organic vapors
Incompatibility:	Strong oxidizers, bases, acids, reducing agents, free radical initiators

11. Toxicological information

Carcinogenicity: no
Teratogenicity: no
Reproductive toxicity: no
mutagenicity: no

Acute Health Effects: Skin and eye irritant

Chronic Health Effects: No appropriate human or animal chronic health effects data are known to exist.

Route of Exposure

INHALATION: No significant signs or symptoms indicative of adverse health hazard are expected to occur at standard conditions due to the low volatility of the adhesives. Aerosols, or vapors which may be generated at elevated processing temperature may cause respiratory tract irritation. Symptoms of irritation may include coughing, mucous production and shortness of breath.

EYE CONTACT – Primary route

Although no appropriate human or animal health effects data are known to exist, these materials are expected to cause slight eye irritation.

SKIN ABSORPTION

Although no appropriate human or animal health effects data are known to exist, these materials are not expected to be a health hazard by skin absorption.

SKIN IRRITATION – Primary route

Although no appropriate human or animal health effects data are known to exist, these materials are expected to cause slight skin irritation, and may cause an allergic skin reaction (sensitization) in susceptible individuals upon repeated exposure.

INGESTION

No appropriate human or animal health effects data are known to exist.

12. Ecological Information

Ecological Information: not available

13. Special Label Information

Use Statement:

For Industrial Use Only
Keep Out of Reach of Children

Signal Word

Caution

Physical Hazard

Unstable (reactive) Upon Loss of Inhibitor

Health Hazards

May Cause Slight Eye and Skin Irritation
May Cause Allergic Skin Reaction

Precautionary Measures

Do Not Handle Near Heat, Sparks, or Open Flame
Avoid Oxidizing Agents
Use Only with Adequate Ventilation/Personal Protection
Keep Container Closed When Not In Use
Avoid Contact with Eyes, Skin, and Clothing
Avoid Contact with Skin
Do Not Take Internal, Taste or Swallow
Prevent Contact with Food, Chewing, or Smoking Materials
Wash Thoroughly After Handling

14. Disposal Considerations

Information provided is for unused product only

Recommended method of disposal: Dispose of in accordance with federal and local regulations.



15. Transportation Information

Ground transportation:

Proper shipping name: Unrestricted
Hazard Class or division: None
Identification number: None
Packing group: None

Air transportation:

Proper shipping name: Unrestricted
Hazard Class or division: None
Identification number: None
Packing group: None

Air transportation:

Proper shipping name: Unrestricted
Hazard Class or division: None
Identification number: None
Packing group: None
Marine Pollutant: None

Prepared by Addison Clear Wave Coatings, Inc.

Telephone: +1-630-521-9610

Emergency Telephone: +1-630-521-9610

Updated on: March, 2008

The data included herein are presented according to Addison Clear Wave's best practices, and made available solely for the consideration of the original recipients. It is the responsibility of the recipient of this data to remain currently aware on chemical hazard information, and to comply with all national, federal, state and local regulatory requirements applicable to safety, health and environmental protection.