



MATERIAL SAFETY DATA SHEET

This form is regarded to be in compliance with 29 CFR Part 1910.1200

SECTION 1. PRODUCT AND COMPANY INFORMATION

Product Name: KDS Acrylic Liquid Monomer (EMA)

DATE: 9/15/14

Product Number: ACR 25 HX

REV 9/15/14

Manufactured by:

KDS Nail International Manufactory Inc.

8580 Younger Creek Dr.

Sacramento CA, 95828

Telephone: (916) 381-9358 Fax No: (916) 381-8499

Emergency Contact: ChemTrec (800)424-9300

SECTION 2. COMPOSITION

INGREDIENT (S): Acrylic Liquid Monomer (EMA)

Finally, it should be not assumed that the safety information presented in this section has been obtained from any particular ingredient supplier. Even in those cases we're only one supplier for the ingredient is used, the safety information may be from a different source.

SECTION 3. HAZARDS IDENTIFICATION

POTENTIAL HEALTH EFFECTS:

- Eyes: Exposure can cause eye irritation. Symptoms may include stinging, tearing, redness, and swelling.
- Skin: Exposure may cause mild skin irritation. Prolonged or repeated exposure may dry the skin. Symptoms may include redness, burning, drying and cracking, and skin burns. Skin absorption is possible, but harmful effects are not expected from this route of exposure under normal conditions of handling and use.
- Swallowing: Single dose oral toxicity is low> Swallowing small amounts during normal handling is not likely to cause harmful effect; swallowing large amounts may be harmful.
- Inhalation: Exposure to vapor or mist is possible. Short term inhalation toxicity is moderate. Exposure may be harmful. Symptoms are more typically seen at air concentrations exceeding the recommended exposure limits. Breathing air containing Methyl Methacrylate Monomer (EMA), which results from its use in aerosol applications, may cause delayed lung injury.

SYMPTOMS OF EXPOSURE:

Gastrointestinal irritation (nausea, vomiting, diarrhea) irritation (nose, throat, respiratory tract), central nervous system depression (dizziness, drowsiness, weakness, fatigue, nausea, headache, unconsciousness), narcosis (characterized by stupor or insensibility).

SECTION 4. FIRST AID MEASURES

- EYES:** In case of contact, immediately flush eyes gently with water plenty of water for at least 15 minutes. Obtain medical attention.
- SKIN:** Remove contaminated clothing. Wash exposed area with soap and water. If symptoms persist, seek medical attention. Launder clothing before reuse.
- SWALLOWING:** Give individual two glasses of milk or water to drink. If symptoms develop, seek medical attention.
- INHALATION:** Remove to fresh air. If breathing is difficult, give oxygen. Get immediate medical attention.
- INGESTION:** If swallowed, get medical attention immediately. Only induce vomiting if directed by physician. Never give anything by mouth to an unconscious person.

SECTION 5. FIRE FIGHTING MEASURES

- Flash Point:** 50 F
- Explosive limit:** 2.1 %
- Flash Point Method:** Not available
- Upper Explosive limit:** 12.5 %
- Other Flammable Properties:** Flammable liquid vapor can travel to a source of ignition and flashback. Explosive mixtures may occur at or above the flashpoint.
- Extinguishing Media:** Use water spray, foam, dry chemical, or CO₂.
- Fire Fighting Procedures:** Containers can build up pressure if exposed to heat (fire). Cool with water spray. As in any fire wear self-contained, pressure-demand breathing apparatus (MSHA-NIOSH approved or equivalent) and full protective gear.

SECTION 6. ACCIDENTAL RELEASE MEASURES

SPILLAGE: Steps to be taken in case material is released or spilled: Remove sources of ignition and ventilated area. Use a respirator and other protective equipment as outlined in section 8. Absorb spills with inert material, then place in a chemical waste container. After removal, flush contaminated area with water. Clean up spills immediately. Obey relevant local, state and federal laws and regulations. Do not contaminate any lakes, streams, ponds, groundwater, or soil.

SECTION 7. HANDLING AND STORAGE

Handling: Keep away from heat. Keep away from sparks, flames and other sources of ignition. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. Use with adequate ventilation.
Use ground and bond containers when transferring material. Use explosion-proof equipment. Follow all MSDA/ label precautions even after the container is emptied because it may retain product residue. Wash thoroughly after handling.

Storage: Store in a cool, dry place. Keep container closed when not in use.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure limits	volume	limit reference
Ethyl Methacrylate (EMA)	100 PPM N.E	TWA OSHA/ACGIE STEL OSHA/ACGIE

Engineering Controls: Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits.

Respiratory Protection: In case of overexposure, use appropriate NIOSH-approved respiratory protective equipment

Eye Protection: Use chemical splash goggles

Skin Protection: Use immersive gloves to minimize skin contact

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Vapor Pressure:	40 mmhg @ 26 C
Vapor Density (air=1):	Is heavier than air
Specific Gravity:	0.94
Boiling Point:	214 C
Melting Point:	-54 F
pH:	not available
% Volatile	100
Evaporation Rate:	Is faster than butyl Acetate
Other Properties:	Colorless, Clear Liquid, Pungent odor.
Solubility in water:	1% to 10%

SECTION 10. STABILITY AND REACTIVITY

Stability:	This product is stable under normal storage conditions
Hazardous Polymerization:	High temperatures and sources of ignition
Incompatibility with Other Materials:	Oxidizing materials Mineral acid. Reducing agents
Hazardous Decomposition Products:	Carbon monoxide, Carbon dioxide

SECTION 11. TOXICOLOGICAL INFORMATION

Component Toxicological Information:

Product Name	Oral Id50 (rat)	dermal Id 50 (rabbit)	Inhalation Ic 50 (rat)
Acrylic Liquid Monomer	7872 mg/kg	9400 mg/kg s	750 ppm

SECTION 12. ECOLOGICAL INFORMATION

Ecological Information: No information available

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal Method:

Waste must be disposed of in accordance with federal, state and local regulations, Incineration is the preferred method. Empty containers must be handled with care due to product residue. **DO NOT HEAT OR CUT THE EMPTY CONTAINER WITH ELECTRIC OR GAS TORCH.**

SECTION 14. TRANSPORT INFORMATION

U.S. Dot Transport Information

Proper Shipping Name:	Methyl Methacrylate monomer, inhibited
Hazard Class:	3 Packing Group: II RQ (1bs.) 1000
I.D. Number UN 1247 ERG NO:	26
Hazard Subclasses:	None
Transport label (s) Required:	FLAMMABLE LIQUID

SECTION 15. REGULATORY INFORMATION

This product contains the following non-hazardous components:

U.S. Federal Regulations:

OSHA: This document has been prepared in accordance with the MSDS requirements of the OSHA Hazard Communication Standard.

SARA Section 313/312:

This product contains the following substances subject to the reporting requirements of section 313 OG title iii of the Superfund amendments and Reauthorization act of 1986 and 40 CFR Part 372.

Acrylic Liquid Monomer CAS Number 000080-62-6 wt.% 100

TSCA:

This product or its components are listed in or exempt from the TSCA inventory requirements.

This products contains the following substances subject to export notification under Section 12 (b)

STATE REGULATIONS

New Jersey: This products contains the following nonhazardous components subject to disclosure under New Jersey Right to now legislation: None

Massachusetts: This product contains the following substances on the Massachusetts substance List:

Acrylic Liquid Monomer CAS Number 000080-62-6

California (Proposition 65):

This product contains the following substances known to the State of California to cause cancer:

NONE

This product contains the following substances known to the state of California to cause adverse reproductive effects: none

SECTION 16. OTHER INFORMATION

NOTE: The information herein is presented in good faith and believed to be accurate as of the effective date shown above. However, no warranty, expressed or implied, is given. It is the responsibility of the user to comply with all Federal, State and local laws and regulations.