# MATERIAL SAFETY DATA SHEET
# APRES Acid Free Primer

Revision Date: 12/19/2022

## Section 1. PRODUCT NAME AND COMPANY IDENTIFICATION

**Product Name:** APRES Acid Free Primer

**Synonyms:** Not Available

**Product Code:** APPR01

**Product Use:** Nail Cleaning Agent

**Manufacturer:** Weihao Industries Inc.

**Address:** 15151 Don Julian Rd, City of Industry, CA 91746

**Company identification:** Applied Lacquer Industries Inc.

**Address:** 17635 Rowland St. Unit A, City of Industry, CA 91748

**Emergency Phone Number:** 626-581-1894

## Section 2. HAZARDS IDENTIFICATION

**GHS Classifications**

Flammable liquids (Category 2), H225

Acute Toxicity (Category 4), H332

Skin irritation (Category 2), H315

Eye irritation (Category 2A), H319

Sensitization, skin (Category 1), H317

Specific target organ toxicity, single exposure (Category 3), Narcotic effects, H336

Percentage of the mixture consisting of ingredient(s) of unknown toxicity: 60%

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**GHS label elements**

**Hazard pictograms:**

**Signal word:** Danger

**Hazard statements(s)**

H225 Highly flammable liquid and vapour

H332 Harmful if inhaled

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H317 May cause an allergic skin reaction.

H336 May cause drowsiness or dizziness.

**Precautionary statement(s)**

P210 Keep away from heat/sparks/open flames/hot surfaces. – No smoking.

P233 Keep container tightly closed.

P240 Ground/bond container and receiving equipment.

P241 Use explosion-proof electrical/ ventilating/ lighting equipment.

P242 Use only non-sparking tools.

P243 Take precautionary measures against static discharge.

P261 Avoid breathing dust/ fumes/ gas/ mist/ vapours/ spray.

P264 Wash skin thoroughly after handling.

P271 Use only outdoors or in a well-ventilated area.

P280 Wear protective gloves/ eye protection/ face protection.

P302 + P352 IF ON SKIN: Wash with plenty of soap and water.

P303 + P361 + P353 IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/shower.

P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P312 Call a POISON CENTER or doctor/physician if you feel unwell.

P332 + P313 If skin irritation occurs: Get medical advice/attention.

P337 + P313 If eye irritation persists: Get medical advice/attention.

P362 Take off contaminated clothing and wash before reuse.

P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction.

P403 + P233 Store in a well-ventilated place. Keep container tightly closed.

P403 + P235 Store in a well-ventilated place. Keep cool.

P405 Store locked up.

P501 Dispose of contents/ container to an approved waste disposal plant.

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## Section 3. COMPOSITION/INFORMATION ON INGREDIENTS

| Substance name | Vol. % | CAS No | EC No |
|---|---|---|---|
| **Ethyl Acetate** | 62.5%-75% | 141-78-6 | 205-500-4 |
| **Trimethylolpropane Trimethacrylate** | 12.5%-25% | 3290-92-4 | 221-950-4 |
| **Polyurethane Acrylate Oligomer (HEMA)** | 5%-12.5% | 868-77-9 | 212-782-2 |

## Section 4. FIRST AID MEASURES

**First aid measures**

**- Inhalation:** If breathed in, move person into fresh air. If not breathing, give artificial respiration. If you feel unwell, seek medical advice.

**- Skin contact:** Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. Consult a physician.

**- Eye contact:** Rinse immediately with plenty of water for at least 15 minutes. Obtain medical attention if pain, blinking, tears or redness persist.

**- Ingestion:** Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

## Section 5. FIRE FIGHTING MEASURES

**Flammable class:** This product is flammable.

**Specific hazards:** May form flammable/explosive vapour-air mixture.

**Hazardous combustion products:** Carbon monoxide, Carbon dioxide.

**Prevention:** No naked lights. No smoking.

**Extinguishing media:** Powder, Sand, Carbon dioxide, Water spray, alcohol-resistant foam, dry chemical.

**Surrounding fires:** Use water spray or fog for cooling exposed and unopened containers.

**Protection against fire:** Do not enter fire area without proper protective equipment, including respiratory protection. Wear self-contained breathing apparatus for firefighting if necessary.

**Special procedures:** Exercise caution when fighting any chemical fire.

## Section 6. ACCIDENTAL RELEASE (SPILL MEASURES)

**Personal precautions:** Use personal protective equipment. Respiratory protection equipment maybe necessary.

**General precautions:** Remove ignition sources. Ensure adequate ventilation.

**Environmental precautions:** Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters.

**Clean up methods:** Clean up any spills as soon as possible, using an absorbent material to collect it and place in container for disposal according to local regulations (see Section 13).

## Section 7. HANDLING AND STORAGE

**General:** No naked lights. No smoking. Store and handle as though there always exists a serious potential fire/explosion and health hazard.

**Precautions for safe handling:** While in use, may form flammable vapour-air mixture. Avoid contact with skin and eyes. Avoid inhalation of vapor or mist. Use explosion-proof equipment.

**Technical protective measures:** Proper grounding procedures to avoid static electricity should be followed.

**Storage:** Keep in fireproof place. Keep only in the original container in a cool, well-ventilated place. Keep container closed when not in use. Keep storage temperature to not exceeding 22 °C.

**Storage - away from:** Heat sources, direct sunlight.

**Handling:** Handle empty containers with care because residual vapours are flammable. Ensure prompt removal from eyes, skin and clothing. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

## Section 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Control parameters**

**Exposure limits**

| Component | CAS-No. | Value | Control parameters | Basis |
|---|---|---|---|---|
| Ethyl acetate | 141-78-6 | TWA | 400 ppm | USA. ACGIH Threshold Limit Values (TLV) |
| | Remarks | Upper Respiratory Tract irritation Eye irritation | | |
| | | TWA | 400 ppm 1,400 mg/m$^3$ | USA. NIOSH Recommended Exposure Limits |
| | | TWA | 400 ppm 1,400 mg/m$^3$ | USA. Occupational Exposure Limits (OSHA) – Table Z-1 Limits for Air Contaminants |
| | | The value in mg/m$^3$ is approximate | | |
| Trimethylolpropane trimethacrylate | 3290-92-4 | TWA | 1.00 mg/m$^3$ | USA. Workplace Environmental Exposure Levels (WEEL) |

**Exposure controls**

**Appropriate engineering controls**

Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapor or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.

**Personal protective equipment**

- **Respiratory protection:** Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multipurpose combination (US) or type ABEK (EN14287) respirator cartridges as a backup to engineering controls if the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH or CEN.
- **Skin protection:** Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.
- **Eye/face protection:** Face shield and safety glasses. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN166 (EU).
- **Body protection:** Complete suit protecting against chemicals. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.
- **Ingestion:** While in use, do not eat, drink or smoke.

**Control of environmental exposure**

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

## Section 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical state at 20 °C:** Liquid

**Color:** Clear

**Odor:** Ester-like odor

**Odor threshold:** no data available

**pH:** no data available

**Melting point/freezing point:** no data available

**Initial boiling point and boiling range:** no data available

**Flash point [°C]:** -18 (closed cup)

**Evaporation rate:** no data available

**Flammability:** no data available

**Upper/lower flammability or explosive limits:** no data available

**Vapor pressure [20°C]:** no data available

**Vapor density:** >1

**Relative density:** no data available

**Solubility in water:** Insoluble

**Partition coefficient: n-octanol/water:** no data available

**Auto-ignition temperature [°C]:** no data available

**Decomposition temperature:** no data available

**Viscosity:** no data available

## Section 10. STABILITY AND REACTIVITY

**Stability and reactivity:** Stable under recommended storage conditions.

**Hazardous decomposition products:** Carbon oxides.

**Hazardous reactions:** None under normal conditions. Vapors may form explosive mixture with air.

**Incompatible materials:** Nitrogen oxides, Carbon dioxides, carbon monoxide

**Conditions to avoid:** Open flame, overheating, sparks, direct sunlight.

## Section 11. TOXICOLOGICAL INFORMATION

**Acute toxicity:**

| Substance/Ingredient | Test results | Species |
|---|---|---|
| Ethyl Acetate | LD50 Oral – 5,620 mg/kg<br>LC50 Inhalation – 3500 ppm – 4 hours | Rat<br>Mouse |
| Trimethylolpropane trimethacrylate | n/a | n/a |
| Polyurethane acrylate oligomer | n/a | n/a |

| Substance/Ingredient | Skin corrosion/irritation | Eye damage/irritation | Respiration sensitization | Skin sensitization |
|---|---|---|---|---|
| Ethyl Acetate | Mild skin irritation | n/a | n/a | n/a |
| Trimethylolpropane trimethacrylate | n/a | n/a | n/a | n/a |
| Polyurethane acrylate oligomer | n/a | n/a | n/a | n/a |

**Description of the delayed, immediate, or chronic effects from short and long-term exposure**

**Specific target organ toxicity – single exposure**

May cause drowsiness or dizziness

Inhalation, Oral – May cause drowsiness or dizziness.

Inhalation – May cause respiratory irritation.

**Specific target organ toxicity – repeated exposure**

No data available

**Chronic health effects**

| Substance/Ingredient | Germ Cell mutagenicity | Carcinogenicity | Reproductive toxicity |
|---|---|---|---|
| Ethyl Acetate | No data available | No known significant effects | No data available |
| PMGDM | No data available | No known significant effects | No data available |
| Glycerol Dimethacrylate | No data available | No known significant effects | No data available |

**Aspiration hazard**

No data available

**Additional Information**

## Section 12. ECOLOGICAL INFORMATION

**Toxicity**

| Substance/Ingredient | Test | Species | Exposure |
|---|---|---|---|
| Ethyl Acetate | LC50 – 350.00-600 mg/l<br>EC50 – 2300-3090 mg/l<br>LC50 – 560 mg/l<br>LC50 – 220-250 mg/l<br>EC50 – 4300 mg/l<br>EC50 – 1800-3200 mg/l | Oncorhynchus mykiss<br>Daphnia magna<br>Daphnia magna<br>Pimephales promelas<br>Algae<br>Selenastrum | 96 h<br>24 h<br>48 h<br>96 h<br>24 h<br>72 h |

**Persistence and degradability**

| Substance/Ingredient | Persistence/degradable |
|---|---|
| Ethyl Acetate | 79% readily biodegradable |

**Bioaccumulative potential**
Ethyl Acetate – BCF: 30
**Mobility in soil**
n/a
**PBT and vPVB assessment**
n/a
**Other adverse effects**
Butyl Acetate – harmful to aquatic life

## Section 13. DISPOSAL CONSIDERATIONS

**General:** Dispose of this material and its container at hazardous or special waste collection point. Dispose in a safe manner in accordance with local/national regulations.

## Section 14. TRANSPORT INFORMATION

**Proper shipping name:** FLAMMABLE LIQUID, N.O.S. (Ethyl acetate)

**Primary Hazard Class/Division:** Class 3

**UN Number:** 1993

**Packing Group:** II

**Reportable Quantity (RQ) Under CERCLA:** 5000 lbs

**Label:** Flammable

For flammable liquids in Packing Group II, inner packaging not over 1.0 L (0.3 gallons) net capacity each, packed in a strong outer packaging may be listed as limited quantity.

**Special provision:** 640D

## Section 15. REGULATORY INFORMATION

**Symbol(s):** F: Highly flammable

**R Phrase(s):**

R11: Highly flammable.

R41: Risk of serious damage to eyes.

R43: May cause sensitization by skin contact.

R66: Repeated exposure may cause skin dryness or cracking.

R67: Vapours may cause drowsiness and dizziness.

**S Phrase(s):**

S16: Keep away from sources of ignition - No smoking.

S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S33: Take precautionary measures against static discharges.

S37/39: Wear suitable gloves and eye/face protection.

**SARA 302 Components**
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.
**SARA 313 Components**
SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.
**SARA 311/312 Hazards**
Fire Hazard, Acute Health Hazard, Chronic Health Hazard
**Massachusetts Right to Know Components**
Ethyl acetate, Acetic Acid, Ethyl Ester
**Pennsylvania Right to Know Components**
Ethyl acetate, Acetic Acid, Ethyl Ester
**New Jersey Right to Know Components**
Ethyl acetate, Acetic Acid, Ethyl Ester
**California Prop. 65 Components**
This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

## Section 16. OTHER INFORMATION

**HMIS Rating**
Health hazard: 2
Chronic Health Hazard: *
Flammability: 3
Physical Hazard: 1
**NFPA Rating**
Health hazard: 2
Fire Hazard: 3
Reactivity Hazard: 1