

Product Name: Reflekta 1772- U.V Varnish

1. Identification Of The Substance And Company Information

- **Trade Name:** U.V Varnish
- **Product Code:** Reflekta-1772
- **Product Class:** Acrylate Resin
- **Generic Name:** Paper Coating UV Curing Varnish
- **Manufacturer's Name:** Kiarangsanat Co.
- **Address:** Shahid Beheshti St./Tehran-Iran
- **Tel:** 02188752931
- **Fax:** 02188504430

2. Hazards Identification

- Health Hazards:
 - Irritating to eyes, respiratory system and skin (R36/37/38)
 - May cause sensitization by skin contact (R43)
- Safety Hazards:
 - Viscous yellow liquid
 - Causes mild irritation, suitable protective gear is recommended.
 - Avoid UV light and sunlight to prevent self-polymerization.

3. Composition: Secret

4. First Aid Measures

- Inhalation:

Remove to fresh air. Consult physician/medical help if respiratory is not relieved by fresh air. Give artificial respiration or oxygen if necessary.

- Eye Contact:
 - Rinse eyes immediately with large amounts of water for at least 15 minutes and contact physician as needed. (S26)
- Skin Contact:
 - Promptly and thoroughly flush skin with plenty of water, use soap if available.
 - Remove contaminated clothing and shoes. If irritation persists, seek medical attention.
- Ingestion:
 - Wash out mouth with water, do not induce vomiting. Consult physician.

5. Fire Fighting Measures

- Fire point and auto-ignition temperature:
 - Fire point: 102°C (method: ASTM D92)
 - Auto-ignition temperature: Not Available
- Extinguishing Media:
 - Dry Chemical powder, CO₂, foam, sand, Water spray should be used. Never used direct water jet.
- Fire Fighting Instruction:
 - Firemen have to wear full protective clothing with self-contained breathing apparatus to prevent contact with skin and eyes.
 - Evacuate area and fight fire from a safe distance.

- Hazardous polymerization may occur under fire condition, and toxic fumes may be released.

6. Accidental Release Measures

- Personal Precautions:
 - Extinguish naked flames. Remove ignition sources. No smoking. Avoid sparks. Evacuate the area of all non-essential personnel.
 - Shut off leaks, if possible, without personal risk. Avoid contact with skin, eyes, and clothing. Do not breathe vapor, mists or aerosols.
 - Ventilate contaminated area thoroughly. Take precautionary measures against static discharge.
- Personal Protection:
 - Wear neoprene gloves, PVC chemical resistant suit with integral hood and knee length rubber safety boots.
 - Wear full-face piece respirator with organic vapor canister. In a confined space, wear self-contained breathing apparatus.
- Environmental Precautions:
 - Prevent contamination of soil and water. Prevent from spreading or entering into drains, ditches or rivers by using sand, earth or other appropriate barriers.
 - Advise relevant authorities if contamination occurs.
- Clean up method:
 - Absorb, or contain with sand, earth or similar inert absorbent material.
 - Shovel up and keep in a tightly closed container for disposal.
 - Put leaking containers in a labeled drum.

7. Handling And Storage

- Handling:
 - Extinguish any naked flames. Remove ignition sources. No smoking. Avoid sparks. Avoid contact with skin, eyes, and clothing.
 - Take precautionary measures against static discharges. Earth all equipment.
 - Do not breathe vapor or mists. Use in well-ventilated areas only. Used local exhaust extraction. Do not empty into drains.
- Storage:

- For containers or container linings use mild or stainless steel or polypropylene. Certain plastics, galvanized iron and copper may discolor the product.
- Store in a cool, dry, well-ventilated area, away from incompatible materials. Keep away from direct sunlight and other sources of heat or ignition.

8. Exposure Controls / Personal Protection

- Exposure Limit:
 - None established.
- Respiratory Protection:
 - If risk of inhalation, wear half-mask respirator with organic vapor canister and built in particulate filter NPF 20 (gas only).
- Eye Protection:
 - Closely fitting goggles.
- Hand Protection:
 - Chemical resistant gloves e.g. neoprene.
- Other Protective Equipment:
 - Wear protective clothing and chemical resistant safety shoes or boots.

9. Physical And Chemical Properties

PhysicalState: Clear yellow Liquid

Color: Colorless

PH: ND

Decomposition Temp.: > 150°C

Autoignition Temp.: NA

Vapor Pressure: NA

Density: 1.0-1.1/25°C

10. Stability And Reactivity

- Stability:
 - Stable under normal handling conditions.
- Conditions To Avoid:
 - Direct sunlight, any other sources of heat or radiation, flames and sparks. Contact with acids or bases

11. Toxicological Information

- Oral Rat LD₅₀ > 7800 mg/kg
- PII Value 0

12. Disposal Considerations

- Precautions:
 - Refer to section 7 before handling the product or container.
- Disposal Methods:
 - Recycle or rework if feasible. Incinerate at authorized facility. Landfill in a facility authorized to receive waste.
 - Normally this product need not be considered as a "special waste".
 - However, the relevant authority should be contacted to confirm this statement.

13. Ecological Information

- Unknown

14. Transport Information

- UN No: Not regulated
- Transport Information: No any special instructions
- Packing Group: Not applicable
- Rail/Road Transport: GGVS/GGVE: Not available
- Sea Transport: GGV-See/IMDG: Not regulated
- Air Transport: IATA/ICAO: Not available
- Marine Pollutant: Not listed

15. Regulatory Information

- R-Phrase:
 - Irritating to eyes, respiratory system and skin. (R36/37/38)
 - May cause sensitization by skin contact. (R43)
- S-Phrase:
 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. (S26)
 - Do not breathe vapor/mist. (S23)
 - Use only in well ventilated areas. (S51)
 - In case of insufficient ventilation, wear suitable respiratory equipment. (S38)
 - Wear suitable protective clothing, gloves and eye/face protection. (S36/37/38)
 - EINECS: Conforming
 - TSCA: Conforming
 - Issue Date: 2009/210

- Notice:
 - Recipients of this Material Safety Data Sheet must make their own assessment of workplace risk as required by other health and safety legislation.
- Liability:
 - The information in this MSDS is correct to the best of our knowledge at the date of publication.
 - It is given in good faith but no warranty is implied with respect to the quality and specification of the product.