

PAD PRINTING INKS · SOLVENT-BASED

UNIPAD-15LX

Safety Data Sheet according to Regulation (EC) 1907/2006 (REACH) Annex II and the UN GHS

Pad printing ink series for rubbers and latex

SDS NO.	UF/SDS/UNIPAD-15LX
REVISION	01
ISSUE DATE	September 2026
STATUS	Preliminary issue
PRODUCT TYPE	Solvent-based pad printing

PRELIMINARY ISSUE

Prepared from the Technical Data Sheet and the hazard profile of the product family. Composition, classification and transport data must be confirmed by Uniform Industries before external distribution.

01 IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY

Product identifier	UNIPAD-15LX (product code 15LX)
Product type	Solvent-based pad printing ink
Relevant identified uses	Industrial use: Pad printing ink series for rubbers and latex – industrial printing and converting
Uses advised against	Consumer use. Direct food contact. Any use not described in the Technical Data Sheet.
Supplier	Uniform Industries, E-105, GNEPIP Industrial Area Site-5, Greater Noida, Uttar Pradesh 201306, India · +91-8750051884 · sales@ufindustries.com
Emergency telephone	+91-8750051884 (office hours). National poison centre: see local directory.

02 HAZARDS IDENTIFICATION

Classification (Regulation (EC) 1272/2008, CLP)	Flam. Liq. 3, H226 · Skin Irrit. 2, H315 · Eye Irrit. 2, H319 · STOT SE 3, H336 · Aquatic Chronic 3, H412
Signal word	Warning
Pictograms	GHS02 (flame) · GHS07 (exclamation mark)
Hazard statements	H226 Flammable liquid and vapour. H315 Causes skin irritation. H319 Causes serious eye irritation. H336 May cause drowsiness or dizziness. H412 Harmful to aquatic life with long lasting effects.
Precautionary statements	P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P233 Keep container tightly closed. P240 Ground and bond container and receiving equipment. P261 Avoid breathing vapour. P271 Use only outdoors or in a well-ventilated area. P280 Wear protective gloves, eye protection and face protection. P303+P361+P353 IF ON SKIN (or hair): take off immediately all contaminated clothing; rinse skin with water. P305+P351+P338 IF IN EYES: rinse cautiously with water for several minutes. P370+P378 In case of fire: use foam, dry powder or CO ₂ to extinguish. P403+P235 Store in a well-ventilated place; keep cool. P501 Dispose of contents and container to a licensed waste contractor.
Other hazards	Two-component grades: the hardener component contains polyisocyanate (H317, H332, H334 – may cause allergy or asthma symptoms if inhaled). See the hardener SDS. Not classified PBT/vPvB.

03 COMPOSITION / INFORMATION ON INGREDIENTS

Mixture. Solvent-based pad printing ink consisting of film-forming resins, pigments and additives dissolved in organic solvents. Composition ranges are typical for this product family and are given for hazard communication. The formulation-specific SDS with substance identities and CAS numbers is issued by Uniform Industries on request under confidentiality.

Component class	Typical content	Typical classification (CLP)
Organic solvents (glycol ether esters, e.g. 2-butoxyethyl acetate; ketones, e.g. cyclohexanone; esters; aromatic-free hydrocarbons)	35 – 60 %	Flam. Liq. 3; Skin/Eye Irrit. 2; STOT SE 3; some Acute Tox. 4
Film-forming resins (acrylic, vinyl, polyurethane, polyester, epoxy – grade dependent)	15 – 35 %	Not classified
Pigments (organic and inorganic; heavy-metal free)	5 – 25 %	Not classified
Additives (flow, slip, wetting, matting, adhesion promoters)	1 – 8 %	Not classified / grade dependent
Hardener for 2-component grades (separate component)	–	Aliphatic polyisocyanate: Skin Sens. 1; Resp. Sens. 1; STOT SE 3

04 FIRST-AID MEASURES

Inhalation	Move to fresh air, keep warm and at rest. If breathing is irregular or stopped, give artificial respiration. Obtain medical attention.
Skin contact	Remove contaminated clothing. Wash skin with soap and water. Do not use solvent or thinner. Obtain medical advice if irritation persists.
Eye contact	Rinse immediately with plenty of water for at least 15 minutes, holding the eyelids open. Obtain medical attention.
Ingestion	Do not induce vomiting (aspiration hazard). Rinse mouth. Obtain medical attention immediately.
Most important symptoms	Headache, dizziness and drowsiness from vapour; defatting and irritation of the skin; eye irritation.

05 FIRE-FIGHTING MEASURES

Extinguishing media	Alcohol-resistant foam, dry powder, carbon dioxide, water spray/mist. Do not use a full water jet.
Specific hazards	Flammable liquid: vapours are heavier than air and can travel to a source of ignition and flash back. Containers may rupture in a fire. Combustion produces carbon monoxide, carbon dioxide and dense smoke.
Advice for fire-fighters	Wear self-contained breathing apparatus and full protective clothing. Cool containers with water spray. Contain fire-fighting water.

06 ACCIDENTAL RELEASE MEASURES

Personal precautions	Remove all sources of ignition. Ventilate the area. Wear gloves, eye protection and, for large spills, respiratory protection. Use non-sparking tools.
Environmental precautions	Do not allow to enter drains, watercourses or soil. Inform authorities if the product reaches drains or water.
Containment and clean-up	Contain and absorb with inert material (sand, earth, vermiculite). Collect into a closed, labelled metal container for disposal. Ventilate and clean the area with detergent and water.

07 HANDLING AND STORAGE

Handling	Use only in well-ventilated areas away from ignition sources; earth equipment; no smoking. Avoid skin and eye contact and inhalation of vapour. Keep containers closed when not in use. Two-component grades: mix only the quantity that can be used within the pot life.
Storage	Store in a cool, dry, well-ventilated place between 5 °C and 30 °C in the original, tightly closed containers, away from heat, ignition sources and oxidising agents. Observe national regulations for the storage of flammable liquids.
Specific end use	Printing ink for industrial screen or pad printing. See the Technical Data Sheet.

08 EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational exposure limits	Solvent components have national workplace exposure limits (for example 2-butoxyethyl acetate 20 ppm 8 h TWA; cyclohexanone 10 ppm 8 h TWA, skin). Component-specific limits are given on the formulation-specific SDS.
Engineering controls	Local exhaust ventilation at the press, drying tunnel and screen-washing area sufficient to keep vapour below the exposure limits and below 10 % of the lower explosive limit.
Hand protection	Nitrile rubber gloves (≥ 0.4 mm); replace when contaminated or at the manufacturer's breakthrough time.
Eye protection	Safety glasses with side shields; goggles where splashing is possible.
Skin protection	Antistatic, flame-retardant work clothing for larger quantities.
Respiratory protection	Organic-vapour respirator (filter type A) where ventilation is insufficient or during spraying and clean-up.

09 PHYSICAL AND CHEMICAL PROPERTIES

Property	Value	Remark
Physical state	Liquid	
Appearance	Coloured viscous liquid	Visual
Odour	Solvent	
pH	Not applicable	
Flash point	23 – 60 °C (solvent dependent) – verify	Closed cup
Flammability	Flammable liquid, category 3	
Relative density	0.95 – 1.20	20 – 27 °C
Viscosity	Press-ready paste; thin with UF pad thinner (Series typical)	
Solubility in water	Insoluble	
Solids / non-volatile content	35 – 60 %	
VOC content	Contains organic solvents; VOC content on the Safety Data Sheet.	
Vapour pressure / density	Solvent vapour heavier than air	
Auto-ignition temperature	> 200 °C (solvent dependent)	
Explosive / oxidising properties	None	

10 STABILITY AND REACTIVITY

Reactivity	No hazardous reactivity under normal conditions. Flammable vapour.
Chemical stability	Stable under the recommended storage conditions.
Hazardous reactions	Vapour can form explosive mixtures with air. Two-component grades: exothermic reaction with the hardener; mixed material gels within the pot life.
Conditions to avoid	Heat, sparks, open flames, static discharge.
Incompatible materials	Strong oxidising agents, strong acids and bases; for hardeners: water, alcohols, amines.
Hazardous decomposition products	On combustion: carbon oxides, dense smoke; hardener: nitrogen oxides, isocyanate vapour.

11 TOXICOLOGICAL INFORMATION

Acute toxicity	Not classified as acutely toxic; solvent vapour causes headache, dizziness and drowsiness (H336).
Skin corrosion / irritation	Irritating to skin (H315); repeated contact defats the skin.
Serious eye damage / irritation	Irritating to eyes (H319).
Respiratory / skin sensitisation	Base ink: not classified. Hardener for 2-component grades: respiratory and skin sensitiser.
CMR properties	Not classified; no CMR substances at or above the classification thresholds to the supplier's knowledge.
STOT – single exposure	May cause drowsiness or dizziness (H336).
Aspiration hazard	Not classified for the mixture; avoid ingestion.

12 ECOLOGICAL INFORMATION

Ecotoxicity	Harmful to aquatic life with long lasting effects (H412), based on component data.
Persistence and degradability	Not readily biodegradable (polymer / oligomer components).
Bioaccumulative potential	Low (high molecular weight components).
Mobility in soil	Low; the product is a viscous liquid.
PBT / vPvB assessment	Not PBT / vPvB.
Other adverse effects	None known. Do not discharge to drains or watercourses.

13 DISPOSAL CONSIDERATIONS

Waste ink, solvent washings and contaminated absorbent are hazardous waste (EWC 08 03 12* waste ink containing hazardous substances; 14 06 03* other solvents) and must be disposed of through a licensed contractor. Do not discharge to drains. Empty containers retain flammable vapour: do not cut, weld or incinerate; dispose of through a licensed contractor.

14 TRANSPORT INFORMATION

UN number	UN 1210
UN proper shipping name	PRINTING INK, flammable
Transport hazard class	3

Packing group	III (flash point 23 – 60 °C) – verify against the measured flash point; grades with flash point > 60 °C are not regulated for transport
Environmental hazards	Not a marine pollutant
Special precautions	Keep away from heat and ignition sources. ADR / IMDG / IATA: as above; limited-quantity provisions apply to packs <= 5 L.

15 REGULATORY INFORMATION

Topic	Status
REACH (EC) 1907/2006	Formulated with raw materials registered, pre-registered or exempt under REACH. No substance of very high concern (SVHC, candidate list) is intentionally added above 0.1 % w/w – statement available on request.
CLP (EC) 1272/2008	Classified and labelled as stated in section 2 (family classification; verify against formulation).
EuPIA Charter on raw material selection	Raw materials assessed against the EuPIA Charter (2026), which replaces the EuPIA Exclusion Policy. Heavy-metal pigments, named solvents and hazardous plasticisers excluded.
Food contact	Not intended for food packaging unless stated on this sheet.
Heavy metals	Pigments free from lead, cadmium, mercury and hexavalent chromium (RoHS 2011/65/EU; EN 71-3 statement on request).
VOC	Contains organic solvents; VOC content on the Safety Data Sheet.
Chemical safety assessment	Not carried out for the mixture.

16 OTHER INFORMATION

Full text of H-statements: H226 Flammable liquid and vapour. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H319 Causes serious eye irritation. H332 Harmful if inhaled. H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled. H336 May cause drowsiness or dizziness. H412 Harmful to aquatic life with long lasting effects. EUH208 Contains sensitising substance; may produce an allergic reaction.

Abbreviations: CLP – Classification, Labelling and Packaging; PBT – persistent, bioaccumulative, toxic; STOT – specific target organ toxicity; TWA – time-weighted average; EWC – European Waste Catalogue.

This Safety Data Sheet was prepared by Uniform Industries technical service from the product's Technical Data Sheet and the hazard profile of its product family. It describes the safety requirements of the product and does not constitute a guarantee of properties. It is the user's responsibility to ensure that the information is appropriate for the intended use. This preliminary issue must be verified against the formulation before external distribution. Revision 01 – first issue in the new format.