



MATERIAL SAFETY DATA SHEET

1 CHEMICAL PRODUCT & COMPANY IDENTIFICATION

Trade Name SK 76/09 SCREEN PRINTING INK

Supplier ITW TRANS TECH
475 N. GARY AVENUE
CAROL STREAM, IL 60188 USA

Telephone Numbers - 24 Hour Emergency Assistance
Emergency (352)323-3500

Telephone Numbers - General Assistance
Information (630)752-4000

2 COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient Name	CAS Number	Concentration	Exposure Limits / Health Hazards
SOLVENT NAPHTHA	64742-95-6	2.5 - 10	NA
XYLENE	1330-20-7	2.5 - 10	ACGIH TLV: 435mg/m3
2-METHOXY-1-METHYLETHYL ACETATE	108-65-6	2.5 - 10	NA
1-METHOXY-2-PROPANOL	107-98-2	2.5 - 10	N/A
2-BUTOXYETHYL ACETATE	112-07-2	10 - 25	n.av.
4-HYDROXY-4-METHYLPENTAN-2-ON	123-42-2	10 - 25	ACGIH TLV: 238 mg/m3

3 HAZARDS IDENTIFICATION

Potential Health Effects, Skin

Skin contact may lead to degreasing with resultant dry skin, cracking, irritation and dermatitis.

Potential Health Effects, Eye

Eye contact with liquid may cause severe irritation, redness, tearing and blurred vision. Vapors may cause severe eye irritation, redness, tearing and blurred vision.

Potential Health Effects, Inhalation

Excessive vapor concentration in air, especially in confined spaces, may cause asphyxiation. Excessive inhalation of vapors can cause nasal, throat and respiratory irritation, dizziness, weakness, fatigue, nausea, headache and possible unconsciousness. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal. Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage.

Potential Health Effects, Ingestion

Swallowing may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Effects of Long-Term (Chronic) Exposure

Health studies have shown that many solvents pose potential human health risks which may vary from person to person. As a precaution, exposure to liquids and vapors should be minimized. -Prolonged or continuous inhalation of vapors may result in delayed lung damage. -Repeated or prolonged inhalation of vapor may cause liver and kidney damage.

4 FIRST AID MEASURES

Skin

Wash area thoroughly with soap and water and rinse. DO NOT use solvents or thinners.

Eye

Remove contact lenses, keep eyelids open. Flush with plenty of water (10-15 minutes). Call a physician.

Inhalation

Remove to fresh air and keep warm. If breathing is difficult: artificial respiration. Call for a physician.

Ingestion

Do not induce vomiting. Call for medical assistance. Keep at rest.

Medical Conditions Aggravated by Exposure

This product is unlikely to harm health, given normal and proper handling and hygienic precautions. Prolonged inhalation of vapors in high concentrations may lead to headache, giddiness and nausea. In case of contact with the product danger of resorption through the skin, irritation of skin/mucous membranes.

5 FIRE FIGHTING MEASURES

Extinguishing Media

Suitable: alcohol resistant foam, CO₂, powders, water spray.

Not suitable: water jet

Basic Fire Fighting Procedures

Fire will produce dense black smoke. Exposure to decomposition products may cause a health hazard. Appropriate breathing apparatus may be required.

Unusual Fire & Explosion Hazards

Cool endangered containers with water in case of fire. Do not allow the quenching water into the sewage system.

Flash Point 32 °C app.

Flammability Limits in Air, Lower, % by Volume 0.6

Flammability Limits in Air, Upper, % by Volume 10

6 ACCIDENTAL RELEASE MEASURES

Environmental Precautions

Do not empty into drains. If the product contaminates lakes, rivers or sewer systems, inform appropriate authorities in accordance with local regulations.

Spill or Leak Procedure

Remove sources of ignition. Ventilate area. Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent. Avoid use of solvents. Do not allow to enter drains or watercourses. If the product contaminates lakes, rivers or sewages, inform appropriate authorities in accordance with local regulations.

7 HANDLING & STORAGE

Handling

Prevent the creations of flammable or explosive concentration of dust in air and avoid dust concentration higher than the occupational exposure limits. Additionally, the product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Comply with the health and safety at work laws. Vapors are heavier than air and may spread along floors. Vapors may form explosive mixtures with air. Preparation may change electrostatically: always use earthing leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used.

Storage

Containers which are opened must be carefully resealed and kept upright to prevent leakage. Keep container tightly closed. Never use pressure to empty: container is not a pressure vessel. No smoking. Prevent unauthorized access. Keep away from oxidizing agents, from strongly alkaline and strongly acid materials. Always keep in containers of same material as the original one. Avoid heating and direct sunlight.

Ventilation

Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient in maintaining concentrations of particles and solvent vapor below the OEL, suitable respiratory protection must be worn.

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Eye Protection: Personal Protection Equipments (PPE)

Wear safety glasses.

Skin Protection: Personal Protection Equipments (PPE)

Use protective gloves. After washing hands replace lost skin fat by bat containing skin creams. Personal should wear anti static clothings made of natural fiber or of high temperature resistant synthetic fiber. All parts of the body should be washed after contact.

Respiratory Protection: Personal Protection Equipments (PPE)

If workplace limits are exceeded, a gas mask approved for this particular job must be worn.

9 PHYSICAL & CHEMICAL PROPERTIES

Odor and Appearance

Gold paste with odor of organic solvents.

Boiling Point 117 - 195 °C

Specific Gravity 1.25

Melting Point n/a

Vapor Pressure 10.9 app.

Evaporation Rate n/a

Vapor Density > 1

Solubility In Water no

10 STABILITY & REACTIVITY

Stability/Incompatibility

Stable under recommended storage and handling conditions

Incompatability: Materials to Avoid: Keep away from oxidizing agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous Reactions/Decomposition Products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11 TOXICOLOGICAL INFORMATION

Routes of Exposure

Inhalation, ingestion, skin and eye contact.

12 ECOLOGICAL INFORMATION

13 DISPOSAL CONSIDERATIONS

Waste Disposal

Dispose of according to a recognized method of chemical waste disposal. Dispose of in accordance with all federal, state, and local regulations.

14 TRANSPORT INFORMATION

Department of Transportation (DOT) Requirements:

General Transportation Information for Bulk Shipments

Proper Shipping Name Paint Related Material

UN/NA Code 1263

15 REGULATORY INFORMATION

NFPA Ratings

Health Flammability Reactivity Special Hazards

HMIS Ratings

Health 2 Flammability 3 Reactivity 1 Personal Prot. Equip. C

16 OTHER INFORMATION

Disclaimer

The details in this material safety data sheet satisfy national legislation. However, we have no knowledge or control over the individual user's working conditions. The product may not be used for any purpose other than that specified in the product data sheet unless written consent has been obtained. The user is responsible for the observance of all required statutory provisions.

Completed On 5/8/2008

Replaces Sheet Dated

Completed By