

1. IDENTIFICATION OF PRODUCT AND COMPANY

Product Code: 20090
 Product Name: KIWOPRINT L 4000
 Company: KISSEL + WOLF GmbH
 In den Ziegelwiesen 6
 D-69168 Wiesloch

Phone of the company: +49 6222 578-0
 Fax of the company : +49 6222 578-100

Recommended use:

Adhesive
 for industrial use only

2. HAZARD IDENTIFICATION OF THE PREPARATION

Xi Irritant
 N Dangerous for the environment

10 Flammable.
 36/37/38 Irritating to eyes, respiratory system and skin.
 51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixture of the below mentioned materials
 and non-hazardous substances

Hazardous components:

EINECS-No	Name	Hazard % content	
CAS-No.	R-phrases		
203-132-9	propylbenzene		
103-65-1	10-37-51/53-65	Xn,N	2.5 - 5
203-604-4	1,3,5-trimethylbenzene, mesitylene		
108-67-8	10-37-51/53	Xi,N	2.5 - 5
200-751-6	butan-1-ol, n-butanol		
71-36-3	10-22-37/38-41-67	Xn	1 - 2.5
204-658-1	n-butyl acetate		
123-86-4	10-66-67		10 - 12.5
202-436-9	1,2,4-trimethylbenzene		
95-63-6	10-20-36/37/38-51/53	Xn,N	12.5 - 20
265-199-0	Naphtha (petroleum distillates)		
64742-95-6	10-37-65-51/53	Xn,N	20 - 25

Naphtha is a mixture of aliphatic hydrocarbons and contains less than 0.1 % benzene.

For full text of the risk phrases see chapter 16.

4. FIRST AID MEASURES

After skin contact, clean thoroughly with soap and water. After eye contact, (remove contact lenses) keep eyelid open, rinse under running water for at least 10 minutes. If irritation continues, seek medical advice. After ingestion, do not induce vomiting - seek medical advice. If unconscious, do not administer anything

orally. Place in stable side position and seek medical advice. If breathing is irregular or has stopped, apply artificial respiration.

5. FIRE-FIGHTING MEASURES

Block the danger zone, keep out unconcerned persons. If possible without risk, remove container from the burning area or cool with water (danger of bursting due to development of gas).

Suitable extinguishing media: Water mist, carbon dioxide, foam. Do not use a direct full water jet, this can spread the fire and cause intense steam or heavy splattering.

Hazardous combustion products: When heating up or in the event of fire toxic gases may evolve.

Environmental protection: Collect contaminated fire water, do not allow it to enter the drains.

6. ACCIDENTAL RELEASE MEASURES

Do not empty into drains. Keep away sources of ignition. Ensure sufficient ventilation. Prevent unauthorized access. Collect with liquid absorbing material and proceed according to local waste disposal regulations.

7. HANDLING AND STORAGE

Keep container tightly closed and in a cool and well ventilated place. Ensure adequate ventilation, especially when using a spray-gun. Avoid contact with skin and eyes. Avoid flammable/explosive air/vapour-mixtures and prevent concentrations exceeding the exposure limits.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Occupational exposure limit:

EINECS-No.	Name	MAK	
203-604-4	1,3,5-trimethylbenzene, mesitylene	MAK	20 ppm 100 mg/m ³
200-751-6	butan-1-ol, n-butanol	MAK	100 ppm 310 mg/m ³
204-658-1	n-butyl acetate	MAK	100 ppm 480 mg/m ³
202-436-9	1,2,4-trimethylbenzene	MAK	20 ppm 100 mg/m ³
265-199-0	Naphtha (petroleum distillates)	MAK	200 mg/m ³

Personal Protection

Wash hands and/or face before breaks and after work. Avoid contact with eyes and skin.

Eye protection: Safety glasses with a side-protection (EN 166)

Hand protection: Safety gloves resistant to chemicals (EN 374)

Recommendation for splashing contact: Safety index 2, permeation time > 30 mins., e.g. butyl caoutchouc (0,4 mm)

Recommendation for direct contact: Safety index 6, permeation time > 480 mins., e.g. nitrile caoutchouc (0,4 mm)

Note: Due to various factors of influence (e.g. temperature, duration of contact, mechanic strain), in practice, the time of use can be notably shorter than the permeation time determined by tests.

Respiratory protection: Vapour concentrations to be minimized by adequate ventilation. Use respiratory filter at increased concentrations: Filter A, brown. Observe limited time of use.

Body protection: Solvent resistant, antistatic, flame retardant

protective clothes.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form : liquid

Colour: depending on coloration

Odour : typical

Flash point : 25 °C
Ignition temperature : 340 °C
Density : 0.93 g/cm³
Viscosity : 75 s 4 mm
Explosion limits : 0.8 - 9.4 Vol. %
Boiling point : 118 °C
Vapour pressure : 3.53 mbar

10. STABILITY AND REACTIVITY

Stable under recommended storage and handling conditions
(see section 7).

11. TOXICOLOGICAL INFORMATION

Repeated or prolonged contact causes local irritation of skin and mucous membranes, particularly the eyes. Inhalation of high concentrations may cause nausea, dizziness, narcotic effect. Even minor quantities, which enter into the lungs after swallowing or subsequent vomiting, can cause lung oedema or pneumonia.

General information:

The preparation has been estimated by conventional method (EG directive 1999/45/EG) and is classified according to its toxicological properties (see chapters 2 and 15).

12. ECOLOGICAL INFORMATION

Do not empty into drains or release into open water. Do not store at public waste disposal sites.

The preparation has been classified by the conventional method (calculating procedure) of EG directive 1999/45/EG and according to its ecotoxic properties (see chapters 2 and 15 for detailed information).

13. WASTE DISPOSAL INFORMATION

According to European Waste Code Regulations, the waste code is to specify branch and process.

Recommendation : 080409

Empty container : scrap metal recycling or re-conditioning

Soiled container : (treatment like product itself)

14. TRANSPORT INFORMATION

ADR/RID: Class: Not a class 3 product
Container > 450 l : class 3
Tremcard: 3
UN number: 1133
Adhesives, containing flammable liquid
Packaging group: III

IMDG: Class: 9
3
Tremcard: 3
EMS: F-A, S-F
UN number: 3082

ENVIRONMENTALLY HAZARDOUS SUBSTANCE,
LIQUID, N.O.S.

Hazardous component: Solvent naphtha (-MP-)

Marine pollutant: p Solvent naphtha (-MP-)

Packaging group: III

15. REGULATORY INFORMATION

Labelling (according to 91/155/EEC):

Xi Irritant

N Dangerous for the environment

contains:

n.a.

R-phrases:

10 Flammable.

36/37/38 Irritating to eyes, respiratory system and skin.

51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

S-phrases:

24/25 Avoid contact with skin and eyes.

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

61 Avoid release to the environment. Refer to special instructions / safety data sheets.

Special labelling :

n.a.

National Regulation for Germany

Water pollution class: 2
pollutant

16. OTHER INFORMATION

Text of risk phrases mentioned in chapter 3:

10 Flammable.

37 Irritating to respiratory system.

51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

65 Harmful: may cause lung damage if swallowed.

22 Harmful if swallowed.

37/38 Irritating to respiratory system and skin.

41 Risk of serious damage to eyes.

67 Vapours may cause drowsiness and dizziness.

66 Repeated exposure may cause skin dryness or cracking.

20 Harmful by inhalation.

36/37/38 Irritating to eyes, respiratory system and skin.

For further information please refer to our technical information sheet. Data in this MSDS correspond with our current level of knowledge, but do not represent any assurance of product properties. The user personally is responsible for compliance with all legal requirements.