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VR1410

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PB 100, D-65814 Eppstein, Germany

Trade name : 100-VR-1410

Telefax: +49 6198 322 88

Product identification : Resin solution in organic solvents
as hardener for two component ink systems

Phone : +49 6198 304 0

2. HAZARDOUS INGREDIENTS

Ingredient	CAS-Nr.	Concentration [%]	MAK-value [ppm]	Symbol	R-phrase (for 100%)
3-(2-Aminoethylamino)propyltrimethoxysilane	1760-24-3	> 50	n.b.	Xi	41-43-52/53
i-Propylbenzene	98-82-8	1 ... 5	20	Xn N	10-37-51/53-65
Mesitylene	108-67-8	1 ... 5	20	Xi N	10-37-51/53
n-Propylbenzene	103-65-1	1 ... 5	n.b.	Xn N	10-37-51/53-65
Trimethylbenzene (1.2.4-)	95-63-6	10 ... 20	20	Xn N	10-20-36/37/38-51/53
solvent naphta	64742-95-6	10 ... 20	50	Xn N	10-37-51/53-65-66-67

3. HAZARDS IDENTIFICATION

Human health (See also section #15)

- Inhalation : Excessive breathing of vapours has narcotic effects, may cause drowsiness.
- Skincontact : Degreasing effects. Prolonged or repeated contact may cause inflammation.
- Eyecontact : Moderate irritation by direct contact.
- Swallowing : May cause lung damage if swallowed

Environment : Harmful for aquatic environment. In case of fire may be formed: carbonmonoxide/carbondioxide

4. FIRST AID MEASURES

Inhalation : Take victim to fresh air. Remove contaminated clothing.

Skincontact : Dab with soft tissue and wash with plenty of water and soap. Do not use any organic solvent.

Eyecontact : Immediately rinse with plenty of water, keep eyelid lifted. In case of irritation see physician.

Swallowing : on vomiting lie person on their side and keep respiratory tract free. See physician. Do not induce vomiting.

5. FIRE FIGHTING MEASURES

Extinguishing media: Foam, carbon dioxide, waterspray Unsuitable media: waterjet

Hint : Do not allow extinguishing agent to soak into soil. Take measures to collect contaminated firefighting agents
Do not breathe vapours/fumes - use self-contained breathing apparatus

6. ACCIDENTAL RELEASE MEASURES

Person : Avoid contact with skin, eyes and clothes. Remove sources of ignition. Proper ventilation of workplace.

Environment : Prevent material to enter soil, drains or water courses.

Spill control : Absorb with sand, kieselguhr or other inert material.

For disposal fill in adequate containers and handle as special waste. See also section #13

7. HANDLING AND STORAGE

Handling : Avoid release of vapours. Be sure to apply good room ventilation. Do not eat, drink or smoke at the workplace.

Storage : Keep container well closed after use. Avoid frequent warming above 50 °C.

Keep away from food. Preferably store in original container.

Hints : Product is flammable and can form combustible mixtures with air. Avoid electrostatic charging of container.

8. EXPOSURE CONTROL AND PERSONAL PROTECTION

Exposure : Install proper room ventilation in working- and storage area.

Respiratory : No special requirements with good room ventilation.

Eyes : When splashes may occur (pouring material into an other container) wear splash proof goggles.

Skin : Apply mild handcream. Use suitable protective gloves. (i.e. neoprene or polyvinyl alcohol)

General : When handling the product wear usual protective work clothes.

This information is accurate to the best of our knowledge however is furnished without expressed or implied warranty

