



**SAFETY DATA SHEET**

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18.09.2008

in accordance with Directive (EC) 1907/2006 (REACH)

Updated: 05.01.2007

No.: LN 9726

sandroplast-SANDROCK GmbH, Schwesterstr. 15-19, 52285 Wuppertal

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**Number** : CR1K30  
**Name** : Power-1K-DeepGround/CoolRoof  
**Colour shade** : grey  
**Finish** : matt  
EDP-No.: LN 9726

**Address** : Power Color International GmbH  
Königspergerstr. 5  
93426 Roding  
**Telephone** : +49 09461 /402593  
**e-mail Address** : [info@pc-int.de](mailto:info@pc-int.de)  
**Emergency information** :  
**Emergency telephone number**:

**Intended use**

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**2. Possible dangers**

HAZARD DESIGNATION:

ADDITIONAL REMARKS ON DANGERS FOR PEOPLE AND ENVIRONMENT:

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**3. Composition / details on components**

CAS	Component	Proportion %	Symbol R	
<b>phrases:/Miscellaneous</b>				
71-36-3	n-butanol	>10 <=15	Xn	
10,22,41,67,37/38				
1330-20-7	xylene	>15 <=25	Xn	
10,38,20/21				
67-63-0	isopropanol (IPA)	>25 <=50	Xi,F	11,36,67

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**4. First-Aid measures**

GENERAL INFORMATION: If symptoms appear or in case of doubt,

seek medical advice. If the victim is unconscious, do not give anything by mouth.

AFTER INHALATION: Fresh air, place the victim in a resting position and keep warm. In the event of irregular breathing or respiratory arrest, give artificial respiration.

If the victim is unconscious, place in a stable position lying on side and seek medical advice.

AFTER CONTACT WITH SKIN: Immediately take off contaminated and soaked clothing. Clean

wet skin thoroughly with water and soap or use suitable detergent. DO NOT USE any solvents or thinners!

AFTER CONTACT WITH EYES: Keep eyelids open and rinse for at least 10 minutes

with plenty of clean, running water; seek medical advice.

AFTER SWALLOWING: If swallowed: consult a doctor immediately! Keep the victim

calm. Do not provoke vomiting!

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## 5. Firefighting measures

SUITABLE EXTINGUISHING AGENTS:

Foam (resistant to alcohol), carbon dioxide, powder, atomized spray (water).

UNSUITABLE EXTINGUISHING AGENTS ON SAFETY GROUNDS:

Water jet

SPECIAL HAZARDS CAUSED BY THE SUBSTANCE, ITS PRODUCTS OF COMBUSTION OR RESULTING GASES:

In the event of fire, dense, black smoke is created. The inhalation of hazardous decomposition products can cause serious damage to health.

SPECIAL PROTECTIVE EQUIPMENT WHEN FIRE-FIGHTING:

Breathing apparatus possibly required.

ADDITIONAL INFORMATION:

Cool with water any closed containers in the vicinity of the source of the fire.

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## 6. Measures in the event of unintentional release

PERSON-RELATED SAFETY PRECAUTIONS:

Keep away from sources of ignition and ventilate rooms well. Do not inhale fumes.

Observe regulations on protection (see Sections 7 and 8).

ENVIRONMENTAL MEASURES:

Do not empty into drains. In the event of contamination of rivers, lakes or waste water pipes, inform the authorities responsible, in accordance with local legislation.

PROCEDURE FOR CLEANING:

Limit the movement of leaked material with non-flammable absorbent materials (e.g.: sand, earth, diatomaceous earth, vermiculite) and dispose of as per the local stipulations in containers intended for this purpose. Clean preferably with detergents, use no solvents as far as possible.

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## 7. Handling and storage

ADVICE ON SAFE HANDLING:

Avoid formation of flammable and potentially explosive solvent vapours in the

air and avoid exceeding occupational exposure limits. Use the material only

at places where naked lights, fire and other sources of ignition are kept away. The material can become electrostatically charged: when transferring substance from one container to another, use only earthed pipes. Wearing antistatic

clothing including footwear is recommended. Use only non-sparking tools . Avoid contact with eyes and skin. Do not inhale fumes and spray mist. Do not eat, drink or smoke while working. Personal protective equipment, see Section 8. Follow the statutory regulations on protection and safety.

#### WARNINGS ON FIRE AND EXPLOSION PREVENTION:

Solvent vapours are heavier than air and spread out over the ground. Fumes mixed with air form an explosive mixture.

#### STORAGE

##### REQUIREMENTS FOR STORAGE ROOMS AND VESSELS:

In line with standards, electrical installations must be explosion-protected. Floors must be electrically conductive. Keep containers closed and

airtight. Do not empty container using pressure, no pressure vessels! Smoking prohibited. No entry to unauthorised persons. Carefully close any opened containers and store in an upright position to prevent leaks.

#### WARNINGS ON MIXED STORAGE

Keep away from strong acid and alkaline materials as well as oxidising agents .

#### FURTHER SPECIFICATIONS ON STORAGE CONDITIONS:

Always store only in containers which comply with the original packaging. Observe warnings on the label. Storage between ....5 degrees C and 35... degrees C in a dry and well ventilated place. Protect from heat and direct

sunlight. Keep away from sources of ignition.

STORAGE CLASS: .....

Storage as per the regulations on the storage of flammable fluids (German VbF).

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## 8. Exposure control and personal protective equipment

### TECHNICAL PROTECTIVE MEASURES:

Ensure good ventilation. This can be achieved by localised extraction or general

ventilation. If this is not sufficient, in order to keep the solvent vapour

concentration below the occupational exposure limit, suitable breathing apparatus must be worn.

#### Components with limit values to be monitored at the workplace

CAS	Component	Proportion EH
67-63-0	isopropanol (IPA)	400.00 mg/m3
71-36-3	n-butanol	300.00 mg/m3
1330-20-7	xylene	100.00 (ppm)
78-83-1	isobutanol	300.00 mg/m3

#### Personal protective equipment:

RESPIRATORY PROTECTION: If the solvent concentration is above the occupational exposure limit, then breathing apparatus approved for the purpose must be worn.

GLOVES: Wear protective gloves made of nitril with breakthrough time >=480 min.

Hand surfaces which might come into contact with the product, should be covered with barrier cream. After contact has occurred, these should not

be applied. Observe the manufacturer's recommendations.

EYE PROTECTION: Wear protective glasses against solvent splashes.

BODY PROTECTION: Wear antistatic clothing of natural fibres (cotton) or heat resistant synthetic fibres.

MEASURES FOR PROTECTION AND HYGIENE:

After contact, clean skin surface thoroughly with soap and water or use a suitable cleaning agent. Do not use organic solvents.

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## 9. Physical and chemical properties

### Chemical characterisation

Modified PVB combination

**Form:** liquid  
product

**Smell :** typical of the class of

		Value	Unit	Method
<b>Flash point</b>	:	12	°C	DIN 53213
<b>Viscosity</b>	:	(20 °C) approx. 60	sec	DIN 53211
<b>Density</b>	:	(20 °C) approx. 1.1267	g/cm <sup>3</sup>	DIN 53217
<b>Lower Ex limit</b>	:	0.00	volume %	
<b>Upper Ex limit</b>	:	12.00	volume %	
<b>Solubility in water</b>	:			
<b>Solvent concentration</b>	:	55.66	%	

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## 10. Stability and reactivity

CONDITIONS TO BE AVOIDED:

When used according to the recommended instructions for storage and handling

stable (see Section 7).

SUBSTANCES TO BE AVOIDED:

Keep away from strong acid and alkaline materials and oxidising agents in order to avoid exothermic reactions.

HAZARDOUS PRODUCTS OF DECOMPOSITION:

At high temperatures dangerous products of decomposition such as carbon dioxide, carbon monoxide, smoke, nitrogen oxides can be formed.

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## 11. Toxicological Information

Practical experience

MISCELLANEOUS OBSERVATIONS: Inhaling solvent components above the air limit value can lead to damage to health, such as irritation of the mucous membranes and respiratory system, kidney and liver damage

as well as the detrimental effects on the central nervous system.

Signs and symptoms: headaches, dizziness, fatigue, weakness of the muscles,

numbing effect and in exceptional cases unconsciousness. Prolonged or repeated contact with the product negatively affects the natural moisturising of the skin and leads to it drying out. The product can then find its way into the body.

Solvent splashes can cause irritation to eyes and reversible

damage.

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**12. Environmental Information**

Water polluting fluid. The product may not find its way into waste water systems or ground water.  
There are no details available about the product.  
Do not empty into drains.

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**13. Notes on waste disposal**

PRODUCT

Recommendation:

Do not empty into drains.

Waste code No.: Waste designation

08 01 11 Paint waste containing organic solvents or other dangerous substances.

CONTAMINATED PACKAGING

Recommendation:

Empty containers are to be sent for metal recycling or reconditioning.  
Drums which have not been correctly emptied are hazardous waste.

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**14. Information on Transport**

GGVSee/IMDG code : 3 II

UN No. : 1263

ICAO/IATA : 3 II

GGVE/GGVS :

ADR/RID : 3 II

ADNR :

**Miscellaneous specifications**

Goods designation: PAINT

Proper Shipping Name: PAINT

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**15. Information on legal provisions**

**Name specifications**                      **Symbols**                      : Xn F

xylene

n-butanol

**General hazard warnings**

**R phrases:**        11                      36                      41                      20/21  
**S phrases:**        21                      23                      26                      29                      38  
                         36/37/39

**R & S phrases - texts**

Highly flammable.

Irritating to eyes

Risk of serious damage to eyes.

Harmful by inhalation and in contact with skin

Do not smoke at work.

Do not inhale gas / fumes / vapours / aerosol.

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

Do not empty into drains.

If ventilation is insufficient, wear self-contained breathing apparatus.  
At work wear suitable protective clothing, protective gloves and  
protective glasses / full-face protection.

<b>TA air Class I (%) :</b>	0.22	<b>Water hazard class (self-</b>	
<b>classification) :</b>	2	<b>classification) :</b>	2
<b>Class II (%) :</b>	17.56	<b>VbF</b>	<b>: A I</b>
<b>Class III (%) :</b>	37.75		

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#### **16. Miscellaneous specifications**

The specifications in this Material Safety Data Sheet comply with our  
present

state of knowledge and satisfy both national and EC legislation.

Nevertheless, the user's work conditions are outside of

our knowledge and control. The product may not be used for any

other purpose than that stated in Section 1

without written permission. The user is responsible for the adherence to  
all necessary

legal stipulations.

The specifications in this Material Safety Data Sheet describe the safety  
requirements for our product and represent no warranty of product  
characteristics.

THE SPECIFICATIONS IN THIS SAFETY DATA SHEET ARE COMPULSORY IN ACCORDANCE  
WITH

PARAGRAPH 14 OF THE HAZARDOUS SUBSTANCES DIRECTIVE OF 01.11.1993.

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