

SAFETY DATA SHEET

as per EC Guideline 1907/2006 (REACH)

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08/04/2011

Version: 07/04/2011

No.: PPAC-A

Power Color International GmbH, Königspergerstr. 5, 93426 Roding / Germany

Number : PPAC+A
Name : PowerProtect AC (Component A)
Colour : RAL 9002
Gloss : silk gloss
Trade name : PowerProtect AC2

Address : Power Color International GmbH
Königspergerstr. 5
93426 Roding

Information provided by : Laboratory
Telephone : 0202/69825-0
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Emergency information : Mon-Thur 8:00-16:30 and Fri 8:00-14:00
Emergency number : 0202/69825-0

Purpose
Varnishing or coating

2. Possible risks

HAZARD DESIGNATION:

ADDITIONAL HAZARD WARNINGS FOR HUMANS AND THE ENVIRONMENT:

Flammable.

Poisonous for water organisms. Can have long-term harmful effects in waterways.

3. Composition / Information on components

CAS	Component	Fraction %	Symbols	R-Phrases/Other
95-63-6	1.2.4 Trimethylbenzol	>5<=10	Xn,N	10,20,51/53,36/37/38
103-65-1	Propylbenzol	>1<=3	Xn,N	10,37,65,51/53
1330-20-7	Xylol	>3<=5	Xn	10,38,65,20/21
108-67-8	Mesitylene	>1<=3	Xi,N	10,37,51/53
108-65-6	2-Methoxy-1-methyl ethyl acetate	>1<=3	Xi	10
64742-95-6	Solvent naphtha (oil) light	>10<=15	Xn,N	10,37,65,66,67,51/53
041556-26-7	Bis-(Tetramethyl-4-Piperidyl)Seb.	<=0.5	Xi,N	43,50/53

4. First aid measures

GENERAL NOTES: Where symptoms occur or in cases of doubt, seek medical advice. Do not administer remedies by mouth where victim is unconscious.

AFTER INHALATION: Expose to fresh air, allow victim to rest and keep warm. Artificial respiration in the event of irregular breathing or respiratory arrest. In case of unconsciousness, place victim in lateral recumbent position and seek medical advice.

AFTER SKIN CONTACT: Remove soiled and impregnated clothing immediately. Wash contaminated skin thoroughly with water and soap or use a suitable cleaning agent. DO NOT use a solvent or thinners!

AFTER EYE CONTACT: Keep eyelids open and rinse for at least 10 minutes with ample clean, flowing water; seek medical advice.

AFTER SWALLOWING: Consult a doctor immediately where swallowing has occurred! Keep victim calm. Do not induce vomiting!

5. Fire-fighting measures

SUITABLE EXTINGUISHING AGENTS

Foam (alcohol-resistant), CO₂, powder, spray mist (water).

EXTINGUISHING AGENTS THAT ARE UNSUITABLE FOR SAFETY REASONS:

Water jet

SPECIAL HAZARDS RESULTING FROM THE SUBSTANCE, ITS COMBUSTION PRODUCTS OR RESULTING GASES:

Thick, black smoke results from a fire. Inhalation of hazardous decomposition products can cause serious damage to health.

SPECIAL PERSONAL PROTECTIVE EQUIPMENT FOR FIREFIGHTING:

Breathing apparatus required where necessary.

ADDITIONAL NOTES:

Cool closed containers in the vicinity of the fire source using water.

6. Measures in the event of unintentional release

PERSON-RELATED PRECAUTIONARY MEASURES:

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

Observe safety regulations (see chapters 7 and 8).

ENVIRONMENTAL PROTECTION MEASURES:

Do not allow product to enter sewage system. Where rivers, lakes or sewers are contaminated, notify the responsible authorities in terms of local laws.

CLEANING PROCEDURES:

Enclose and gather spilt material using non-flammable absorption material (e.g. sand, earth, diatomaceous earth, vermiculite) and collect for disposal in the containers intended for that purpose in terms of local laws. Preferably clean with a cleaning agent, without a solvent where possible.

7. Handling and storage

NOTES FOR SAFE HANDLING:

Avoid the formation of flammable and explosive solvent vapours in the air and exceeding of the MAK limit values. Only use the material in locations where naked light, flames and other ignition sources are avoided. The material may be electrostatically charged: only use earthed piping when refilling. Wearing of antistatic clothing including shoes is recommended. Use spark-safe tools. Avoid contact with eyes and skin. Do not inhale vapours and spray mist. Do not eat, drink or smoke when working with the material. See Personal protective equipment under section 8. Observe statutory provisions for safety and security.

NOTES ON FIRE AND EXPLOSION PROTECTION:

Solvent vapours are heavier than air and spread across the ground. When vapours are mixed with air, an explosive mixture is formed.

STORAGE

STORAGE AREA AND CONTAINER REQUIREMENTS:

Electrical equipment must be appropriately protected against explosion according to norms. Floors must be electrically conductive. Store containers in a tightly closed state. Do not empty contents under pressure - not a pressure container! Smoking prohibited. No admittance to unauthorised personnel. Close opened containers carefully, and store upright to prevent any egress.

NOTES ON STORAGE WITH OTHER MATERIALS:

Keep away from strong acids and alkaline materials as well as oxidants.

ADDITIONAL INFORMATION ON STORAGE CONDITIONS:

Only store in containers that correspond to the original vessels. Observe notes on the label. Store between ...5 degrees C and 35... degrees C in a dry, well-ventilated location. Protect from heat and direct sunlight. Keep away from ignition sources.

STORAGE CLASS:

Store in accordance with the provisions for storing flammable liquids (VbF).

8. Exposure limitation and personal protective equipment

TECHNICAL PROTECTIVE MEASURES:

Ensure adequate ventilation. This can be achieved through local suction or general extraction. Where this is insufficient to maintain the solvent vapour concentration under the MAK limit value, a suitable breathing apparatus must be used.

Components with workplace-related limit values that must be monitored

CAS	Component	Fraction EH
95-63-6	1.2.4 Trimethylbenzol	35.00 ppm
108-67-8	Mesitylene	10.00 mg/m3
1330-20-7	Xylol	100.00 ppm
108-65-6	2-Methoxy-1-methyl ethyl acetate	50.00 ppm
108-83-8	Diisobutylketone	50.00 ppm

Personal protective equipment

BREATHING PROTECTION: Where the solvent concentration exceeds the MAK limit values, appropriate protective breathing apparatus must be used.

HAND PROTECTION: Wear protective Nitril gloves with a penetration time ≥ 480 min. Areas of the hand that could come into contact with the product should be covered with protective cream. After contact, discontinue use. Observe manufacturer's recommendations.
EYE PROTECTION: Wear safety goggles to protect against solvent spray.
BODY PROTECTION: Wear anti-static clothing made from natural fibres (cotton) or heat-resistant synthetic fibres.
PROTECTIVE AND HYGIENE MEASURES:
Wash thoroughly with water and soap after contact with skin surfaces or use an appropriate cleaning agent. Do not use organic solvents.

9. Physical and chemical properties

Chemical characteristics

Modified acrylate

Form : liquid

Odour: typical

	Value	Unit	Method
Flash point	40	deg C	DIN 53213
Viscosity	(20 deg C) +/- 999	sec	DIN 53211
Density	(20 deg C) +/- 1.4296	g/cm3	DIN 53217
Lower ex limit	0.00	Vol %	
Upper ex limit	10.60	Vol %	
Solubility in water			
Solvent content	33.68	%	

10. Stability and reactivity

CONDITIONS TO BE AVOIDED:

Stable when adhering to the recommended provisions for storage and handling (see section 7).

MATERIALS TO BE AVOIDED:

Keep away from strong acids and alkaline materials as well as oxidation agents to prevent exothermic reactions.

HAZARDOUS DECOMPOSITION PRODUCTS:

At high temperatures, hazardous decomposition products such as CO₂, CO, smoke and nitrogen oxides can develop.

11. Information on toxicology

Practical experience

OTHER OBSERVATIONS: The inhalation of solvent vapours

above the air limit value can lead to damage to health

such as irritation of the mucous membranes and respiratory organs, kidneys and liver damage as well as impairment of the central nervous system.

Indications and symptoms: Headaches, dizziness, fatigue, muscle weakness,

numbing effect and unconsciousness in exceptional circumstances. Longer

or repeated contact with the product impairs the natural

re-lubrication of the skin and leads to drying out of the skin. The product can then enter the body.

Solvent sprays can cause irritations to the eye and reversible damage.

12. Environment-specific information

Water-polluting fluid. Product may not enter the sewage system or ground water.

No information about the product is available.

Do not allow product to enter sewage system.

13. Notes for disposal

PRODUCT

Recommendation:

Do not allow product to enter sewage system.

Waste key no.: Waste name

08 01 11 Paint and varnish waste containing organic solvents or other hazardous substances.

CONTAMINATED PACKAGING

Recommendation:

Empty containers must be returned for scrap processing or

reconditioning. Vessels not emptied in the proper manner are special waste.

14. Transport information

GGVSee/IMDG code : 3 III

UN NO : UN 1263

ICAO/IATA : 3 III

GGVE/GGVS : -

ADR/RID : 3 iii

ADNR : -

Other information

Designation of goods: PAINT

Proper shipping name: PAINT

15. Information on legal provisions

Name information Symbols : N

General warning notes

R Phrases : 10 51/53

R / S Phrase texts

Flammable.

Poisonous for water organisms. Can have long-term harmful effects in waterways.

TA Air Class I (%) : 0.00 WGK (Self-classification) : 2
 Class II (%) : 20.63 VbF : -
 Class III (%) : 2.00

16. Other information

The information in this safety data sheet corresponds to our current state of knowledge and meets the requirements of both national and EC legislation. The operational conditions under which the product is used are however beyond our knowledge and control. The product may not be used for any purpose other than the purpose listed in section 1 without written consent. The user shall be responsible for adherence to all required statutory provisions.

The information in this safety data sheet describes the safety requirements of our product and provides no assurance of the product's properties.

THE INFORMATION IN THIS SAFETY DATA SHEET IS REQUIRED ACCORDING TO PARAGRAPH 14 OF THE HAZARDOUS SUBSTANCES REGULATION DATED 01/11/1993.
