

MATERIAL SAFETY DATA SHEET

According to EC no. 1907/2006 – REACH

Trade name: **Prince Color ANTIGRAFFITI**

Edition in ČR: 7.11.2009

Revision in ČR :

1. Identification of the substance/ preparation and of the company/undertaking

1.1 Chemical name of the substance/trade name of the preparation: Prince Color ANTIGRAFFITI

1.2 Additional names of the substance/preparation: None **CAS No.:** ---- **ES No.:** ----

1.3 Application of the substance/preparation: final coating

1.4 Identification of the manufacturer:

Name or business name: BASF Stavební hmoty Česká republika s. r. o.

Manufacture or residence: K Májovu 1244, 537 01 Chrudim, Česká republika

IČO: 492 86 242 **Telephone:** +420 469 607 113 **Fax:** +420 469 607 112 **e-mail:** info@basf.com

1.5 Identification of foreign manufacturer: Geiger Chemie GmbH, Jahnstrasse 46, 78 230 Engen , Germany

1.6 Emergency phone number for ČR: Toxicological Information Centre, Na Bojišti 1, 128 08 Praha 2; phone (24 hours/day) +420 2 24 91 92 93; +420 2 24 91 54 02; +420 2 24 91 45 75

2. Hazards identification

According to act no.356/2003 Digest the preparation has not a hazard nature.

2.1 The most important hazards the substance/preparation creates for human health during application:

The ingredients of the preparation are not hazardous.

2.2 The most important hazards the substance/preparation creates for the environment during application:

The ingredients of the preparation are not hazardous for the environment.

2.3 Possible misuse of the substance/preparation: Unknown

Additional information: None

3. Composition/information on ingredients

3.1 Chemical characteristics of the preparation: dispersion Urethn-Acrylat-copolymer

3.2 Dangerous substances contained contained in the product:

Chemical name of the substance/preparation	CAS No	ES No (EINECS)	Content in %	Hazard symbols	Risk phrases
N-Methyl-2-pyrrolidon	872-50-4	-	< 2,5%	Xi	36/38
2-(2-Butoxyethoxy)ethanol	112-34-5	-	< 5%	Xi	36

Complete versions of the Risk phrases can be found in the point 16.

4. First aid measures

4.1 General information: In case of health problems or if doubtful, consult doctor and provide him with MSDS information.

4.2 After inhalation: Remove patient to fresh air and seek medical assistance. Keep patient warm and at rest. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position.

4.3 After skin contact: Remove soiled clothing. Wash skin with plenty of water. Do not use solvents or thinners.

4.4 After eye contact: Contact lenses should be removed. Hold eyelids open and flush with copious amounts of clean, fresh water or a special eyewash solution and seek medical advice

4.5 After swallowing: If swallowed, rinse mouth with plenty of water (only if the person is conscious) and seek medical advice immediately. Keep the injured person at rest. Do not induce vomiting.

4.6 Additional information: Symptomatic treatment

5. Fire fighting measures:

5.1 Suitable extinguishing media: carbon dioxide, foam (alcohol resistant), powders, water spray. Do not allow run-off from fire fighting to enter drains or water courses.

5.2 Incompatible extinguishing media (mainly those that must not be used due to safety reasons): water jet

5.3 Special hazards: Due to the organic compound content of the preparation, produce dense black smoke. Inhalation of dangerous products may cause serious damage to health.

5.4 Fire-fighters' special protective equipment: Use suitable breathing mask.

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5.5 Additional information: Cool closed containers in the vicinity of the source of fire.

6. Accidental release measures

6.1 Person-related safety precautions: Refer to protective measures listed in sections 7 and 8.

6.2 Measures for environmental protection: Do not allow to enter drains or watercourses. If the product enters drains or sewers, the local water company should be contacted immediately; in the case of contamination of streams, rivers or lakes, the Environment Agency.

6.3 Recommended measures for cleaning /collecting: Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in a suitable container for disposal according with the waste regulations (see section 13). Clean preferably with a detergent; avoid the use of solvents.

6.4 Additional information:

7. Handling and storage

7.1 Measures for safe handling: Avoid skin and eye contact. Avoid inhalation of vapor and spray mist. Avoid forming of explosive mixture of air and vapors. Smoking, eating and drinking are forbidden in application area. For personal protection see section 8. Comply with the health and safety at work laws.

7.2 Storage:

Measures for safe storage: Keep container tightly closed. Never use pressure to empty; container is not a pressure vessel. Close containers carefully once opened and store upright in order to prevent any leakage. No smoking. Prevent unauthorized access. Isolate from sources of ignition and naked flames. Explosion protection measures are not necessary if under operating conditions the product is not heated above the flash point.

7.3 Measures for mixed storage: Keep away from oxidising agents, from strongly alkaline and strongly acid materials. Always keep in containers of same material as the original one. Observe label precautions. Store in a dry, well ventilated place away from sources of heat and direct sunlight. Keep away from sources of ignition. Protect from frost.

7.4 Specific use: No special recommendation

8. Exposure controls/personal protection

8.1 Exposure limits:

Chemical name of the substance/preparation	EINECS No.	Unit	MAK	
N-Methyl-2-pyrrolidon	212-828-1	Ppm	19	
2-(2-Butoxyethoxy)ethanol	203-961-6	mg/m ³	100	

8.2

8.3 Recommended monitoring procedures of the substance at the workplace: -----

8.4 Recommended monitoring procedures of personal exposure: -----

8.5 Exposure controls: -----

8.6 Worker exposure limits:

Respiratory protection: If exposure cannot be avoided by the provision of local exhaust ventilation, suitable respiratory protective equipment should be used – respirator class A1P1

Eye protection: Safety glasses

Hand protection: Wear protective gloves. Any chemical protection glove certified according to EN 374. Further information on penetration time is available from the manufacturer of the glove. Data are based on information from the glove manufacturer, the raw material manufacturer or according to specifics of the product components. The protection glove should be tested for its specific suitability (e.g. mechanical strength, product compatibility, anti-static properties). Follow manufacturer's advice on use, storage, maintenance and replacement of gloves. The gloves should be replaced immediately in case of damage or signs of wear. It is recommended to use preventative skin protection (skin cream).

Skin protection (whole body): Suitable protective clothing and durable/closed shoes.

Additional information including general hygiene measures: General hygiene measures. Do not eat, drink or smoke during handling. Wash hands with lukewarm water and soap after handling. Possibly treat skin with suitable regenerative cream. It is important to keep the safety equipment in a good quality, damaged or non functional equipment has to be immediately replaced.

8.7 Environment exposure controls: Avoid uncontrolled release into the environment.

9. Physical and chemical properties

9.1 Physical state (at 20°C): liquid

9.2 Colour: colourless

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Trade name:		Prince Color ANTIGRAFFITI
9.3	Odour:	mild
9.4	pH value:	---
9.5	Temperature (temperature range) melting point (°C):	---
9.6	Temperature (temperature range) boiling point (°C):	---
9.7	Flash point (°C):	207
9.8	Ignition temperature (°C):	
9.9	Flammability:	----
9.10	Autoflammability (pyrophoric attributes):	----
9.11	Explosive properties:	upper limit (% vol.): 0,8 lower limit (% vol.): 14
9.12	Oxidizing properties:	----
9.13	Vapour pressure (at °C):	----
9.14	Relative density at 20 °C (kg/m³):	ca 1040
9.15	Solubility (at 20 °C): in water: ----- In fats (including oil): -----	
9.16	Partition coefficient n-oktanol/water:	-----
9.17	Other data (viscosity, refractive index):	Viscosity: at 20 ° C 33 sec DIN 4 mm cup, VOC kontent : 4,5%
10. Stability and reactivity		
10.1	Conditions, under which the preparation is stable:	No decomposition if used according to specifications
10.2	Conditions to avoid:	Unknown
10.3	Substances and materials to be avoided:	Keep away from highly acidic or alkaline substances as well as oxidants in order to prevent exothermal reactions.
10.4	Hazardous decomposition products:	When exposed to high temperatures hazardous decomposition products such as carbon monoxide, carbon dioxide, smoke, oxides of nitrogen may be produced
10.5	Additional information:	
11. Toxicological information		
11.1	Acute toxicity: - LD ₅₀ , oral, rat (mg.kg ⁻¹):	Not found
	- LD ₅₀ , dermal, rat or rabbit (mg.kg ⁻¹):	Not found
	- LC ₅₀ , inhalation, rat, for aerosol or particles (mg.l ⁻¹ /4h):	Not found
	- LC ₅₀ , inhalation, rat, for gas and vapours (mg.l ⁻¹ /4h):	Not found
11.2	Sub chronic-chronic toxicity:	Not found
11.3	Sensitiveness: :	Not found
11.4	Sensibility:	Not found
11.5	Cancerous health hazards:	Not found
11.6	Mutagenic health hazards:	Not found
11.7	Reproductive health hazards:	Not found
11.8	Experiences with effects on human health: :	Exposure to component solvent vapor concentrations in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin.
11.9	Tests on animals:	-----
11.10	Additional information:	On the basis of the product composition no acute toxic effect is expected.
12. Ecological information		
12.1	<u>Impact on the environment:</u>	Not tested
12.2	<u>Mobility:</u>	Not tested
12.3	<u>Persistence and degradability:</u>	Not tested

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Trade name:**Prince Color ANTIGRAFFITI****12.4 Bio accumulative potential:** Not tested**12.5 Additional information:** According to the regulations valid in ČR, ingredients in the preparation are not classified as being dangerous to the environment. Do not allow to enter drains or watercourses, waters or soil.**13. Disposal considerations****13.1 Methods of disposal of substance/preparation:** Follow the act no. 185/2001 Digest related to waste.**13.2 Methods of disposal of contaminated packing:** Treat and discharge the contaminated packing (vessels) in the same way as the preparation.**13.3 The provisions related to waste:** Act no. 185/2001 Digest and Notice MŽP no. 381/2001 Digest.**13.1 13.4 Additional information:** Waste classification according to Notice MŽP no. 381/2001 Digest.

preparation

waste code: 080 112 waste category : waste paints and varnishes

14. Transport informationThe preparation IS NOT considered as dangerous according to international and national agreements on transport requirements.**14.1 Additional information:** Transport the preparation in clean, covered vehicles protected from weather and rain. .**15. Regulatory information:** Act no. 356/2003 Digest related to chemical substances and chemical preparations and changes of laws. EC no.1907/2006 REACH.**15.1 Hazard –determining components of labelling:****Code letter and hazard designation of product:****Risk phrases (complete reading)****Safety phrases (complete reading):****15.2 Mandatory labelling acc to the Attachment no.10, Notice no.232/2004 Digest.** None**15.3 Presentation of products and usage restrictions:** None**16. Additional information:****Complete reading of Risk phrases mentioned in point 2 and 3 of Material Safety Data Sheet:**

R36 Irritating to eyes.

R36/38 Irritating to eyes and skin.**Mine of information:** Material Safety Data Sheets of the preparation ingredients, database HSDB, system TOXNET.**Additional information:** Material Safety Data Sheet was worked out according to EC no. 1907/2006 – REACH, in chapter 3 the amount of hazardous substances was changed and so the classification of the preparation was changed against the last MSDS worked out according Act no. 356/2003 Digest.**Statement:** Material Safety Data Sheet contains data needed to ensure safety and health protection at the workplace and protection of the environment. This data is based on our present knowledge and correspond to valid law regulations. However, it can not guarantee suitability and applicability of the product for individual application.