

Safety data sheet

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BASF Safety data sheet according to Regulation (EC) No. 1907/2006

Date / Revised: 12.09.2011

Version: 2.0

Product: **PRINCE COLOR MULTIGRUND PGU UP**

(ID no. 30499737/SDS_GEN_CZ/EN)

Date of print 12.09.2011

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

Product identifier

PRINCE COLOR MULTIGRUND PGU UP

Relevant identified uses of the substance or mixture and uses advised against

Details of the supplier of the safety data sheet

Company:

BASF Stavební hmoty Česká republika s.r.o
K Májovu 1244
537 01 Chrudim, CZECH REPUBLIC

Telephone: +420 46 9607-222

E-mail address: martina.entlicherova@basf.com

Emergency telephone number

Klinika nemocí z povolání, Tox. inf. středisko
Na bojišti 1, 128 08 Praha 2
CZECH REPUBLIC
+420 224919293, +420 224915402, +420 224914575
International emergency number:
Telephone: +49 180 2273-112

2. Hazards Identification

Label elements

According to Regulation (EC) No 1272/2008 [CLP]

Globally Harmonized System, EU (GHS)

Pictogram:



Signal Word:

Danger

Hazard Statement:

H319 Causes serious eye irritation.
 H225 Highly flammable liquid and vapour.
 H336 May cause drowsiness or dizziness.

Precautionary Statements (Prevention):

P280f Wear protective gloves and eye/face protection.
 P210 Keep away from heat/sparks/open flames/hot surfaces. – No smoking.
 P271 Use only outdoors or in a well-ventilated area.
 P280d Wear eye/face protection.
 P243 Take precautionary measures against static discharge.
 P241 Use explosion-proof electrical/ventilating/lighting/equipment.
 P260i Do not breathe dust/gas/mist/vapours.
 P233 Keep container tightly closed.
 P242 Use only non-sparking tools.
 P240 Ground/bond container and receiving equipment.
 P264 Wash with plenty of water and soap thoroughly after handling.

Precautionary Statements (Response):

P312 Call a POISON CENTER or doctor/physician if you feel unwell.
 P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P303 + P361 + P352 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water.
 P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
 P370 + P378 In case of fire: Use (...) for extinction.
 P337 + P311 If eye irritation persists: Call a POISON CENTER or doctor/physician.

Precautionary Statements (Storage):

P403 + P233 Store in a well-ventilated place. Keep container tightly closed.
 P403 + P235 Store in a well-ventilated place. Keep cool.
 P405 Store locked up.

Precautionary Statements (Disposal):

P501 Dispose of contents/container to hazardous or special waste collection point.

According to Directive 67/548/EEC or 1999/45/EC

Regulation 1272/2008/EC on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation 1907/2006/EC

Hazard symbol(s)

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F Highly flammable.



Xi Irritant.



R-phrase(s)

R11 Highly flammable.
R36 Irritating to eyes.
R67 Vapours may cause drowsiness and dizziness.

S-phrase(s)

S2 Keep out of the reach of children.
S7 Keep container tightly closed.
S16 Keep away from sources of ignition - No smoking.
S24/25 Avoid contact with skin and eyes.
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

Classification of the substance or mixtureAccording to Regulation (EC) No 1272/2008 [CLP]

Flam. Liq. 2
Eye Dam./Irrit. 2
STOT SE 3 (Vapours may cause drowsiness and dizziness.)

According to Directive 67/548/EEC or 1999/45/EC

Possible Hazards:
Highly flammable.
Irritating to eyes.
Vapours may cause drowsiness and dizziness.

For the classifications not written out in full in this section the full text can be found in section 16.

Other hazardsAccording to Regulation (EC) No 1272/2008 [CLP]

Other Hazards (GHS):
If applicable information is provided in this section on other hazards which do not result in classification but which may contribute to the overall hazards of the substance or mixture.

3. Composition/Information on Ingredients**Mixtures**Chemical nature

Preparation based on: Propan-2-ol

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Hazardous ingredients (GHS)

according to Regulation (EC) No. 1272/2008

| propan-2-ol; isopropyl alcohol; isopropanol

Content (W/W): > 50 % - < 100 %

CAS Number: 67-63-0

EC-Number: 200-661-7

INDEX-Number: 603-117-00-0

Flam. Liq. 2

Eye Dam./Irrit. 2

STOT SE 3 (drowsiness and dizziness)

H319, H225, H336

Hazardous ingredients

according to Directive 1999/45/EC

propan-2-ol; isopropyl alcohol; isopropanol

Content (W/W): > 50 % - < 100 %

CAS Number: 67-63-0

EC-Number: 200-661-7

INDEX-Number: 603-117-00-0

Hazard symbol(s): F, Xi

R-phrases: 11, 36, 67

For the classifications not written out in full in this section, including the indication of danger, the hazard symbols, the R phrases, and the hazard statements, the full text is listed in section 16.

4. First-Aid Measures

Description of first aid measures

First aid personnel should pay attention to their own safety. Remove contaminated clothing.

If inhaled:

Remove the affected individual into fresh air and keep the person calm. If breathing difficulties develop, aid in breathing and seek immediate medical attention.

On skin contact:

Wash thoroughly with soap and water. Under no circumstances should organic solvent be used. If irritation develops, seek medical attention.

On contact with eyes:

Wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist.

On ingestion:

Rinse mouth and then drink plenty of water. Do not induce vomiting due to aspiration hazard. Do not induce vomiting unless told to by a poison control center or doctor.

Most important symptoms and effects, both acute and delayed

Symptoms: The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11.

Indication of any immediate medical attention and special treatment needed

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Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

5. Fire-Fighting Measures

Extinguishing media

Suitable extinguishing media:
dry powder, alcohol-resistant foam

Unsuitable extinguishing media for safety reasons:
water jet

Special hazards arising from the substance or mixture

carbon dioxide, carbon monoxide, harmful vapours, nitrogen oxides, fumes/smoke, carbon black

Advice for fire-fighters

Special protective equipment:
Wear a self-contained breathing apparatus.

Further information:

The degree of risk is governed by the burning substance and the fire conditions. Containers may rocket or explode in heat of fire. Keep containers cool by spraying with water if exposed to fire. Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems. Contaminated extinguishing water must be disposed of in accordance with official regulations.

6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

Use personal protective clothing. Avoid prolonged inhalation. Avoid contact with the skin, eyes and clothing. Avoid all sources of ignition: heat, sparks, open flame.

Environmental precautions

Prevent spread over a wide area (e.g. by containment or oil barriers). Contain contaminated water/firefighting water. Do not discharge into drains/surface waters/groundwater.

Methods and material for containment and cleaning up

For large amounts: Pump off product.

For residues: Pick up with inert absorbent material (e.g. sand, earth etc.). Correctly dispose of recovered product immediately.

Reference to other sections

Information regarding exposure controls/personal protection and disposal considerations can be found in section 8 and 13.

7. Handling and Storage

Precautions for safe handling

Take precautionary measures against static discharges. Keep away from sources of ignition - No smoking. Provide good room ventilation even at ground level (vapours are heavier than air).

Protection against fire and explosion:

Sources of ignition should be kept well clear. Take precautionary measures against static discharges. Substance/product can form explosive mixture with air. Vapours are heavier than air and may accumulate in low areas and travel a considerable distance up to the source of ignition.

Conditions for safe storage, including any incompatibilities

Further information on storage conditions: Keep container tightly closed and in a well-ventilated place. Keep away from heat. Avoid all sources of ignition: heat, sparks, open flame.

Protect from temperatures below: 5 °C

The packed product must be protected from temperatures below the indicated one.

Specific end use(s)

For the relevant identified use(s) listed in Section 1 the advice mentioned in this section 7 is to be observed.

8. Exposure Controls/Personal Protection

Control parameters

Components with workplace control parameters

67-63-0: propan-2-ol

TWA value 500 mg/m³ (OEL (CZ))

CLV 1.000 mg/m³ (OEL (CZ))

Skin Designation (OEL (CZ))

The substance can be absorbed through the skin.

PNEC

| freshwater: 2 mg/l

| marine water: 0,2 mg/l

intermittent release: 10 mg/l

| STP: 10 mg/l

sediment (freshwater): 7,9 mg/kg

sediment (marine water): 0,79 mg/kg

soil: 0,405 mg/kg

DNEL

worker:

Long-term exposure- systemic effects, dermal: 888 mg/kg

See user defined text.

worker:

Long-term exposure- systemic effects, Inhalation: 500 mg/m³

See user defined text.

consumer:

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Long-term exposure- systemic effects, dermal: 319 mg/kg
See user defined text.

consumer:

Long-term exposure- systemic effects, Inhalation: 89 mg/m³

See user defined text.

consumer:

Long-term exposure- systemic effects, oral: 26 mg/kg

See user defined text.

Exposure controls

Personal protective equipment

Respiratory protection:

Respiratory protection in case of vapour/aerosol release. Suitable respiratory protection for higher concentrations or long-term effect: Gas filter for gases/vapours of organic compounds (boiling point <65 °C, f.e. EN 14387 Type AX)

Hand protection:

Suitable chemical resistant safety gloves (EN 374) also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN 374): E.g. nitrile rubber (0.4 mm), chloroprene rubber (0.5 mm), butyl rubber (0.7 mm) and other
Manufacturer's directions for use should be observed because of great diversity of types.

Eye protection:

Tightly fitting safety goggles (splash goggles) (e.g. EN 166)

Body protection:

Body protection must be chosen based on level of activity and exposure., Antistatic apron

General safety and hygiene measures

Avoid inhalation of dusts/mists/vapours. Avoid contact with the skin, eyes and clothing. Avoid prolonged and/or repeated contact with the skin. Handle in accordance with good building materials hygiene and safety practice. When using, do not eat, drink or smoke. Hands and/or face should be washed before breaks and at the end of the shift. At the end of the shift the skin should be cleaned and skin-care agents applied. Gloves must be inspected regularly and prior to each use. Replace if necessary (e.g. pinhole leaks).

9. Physical and Chemical Properties

Information on basic physical and chemical properties

Form:	liquid
Odour:	product specific
pH value:	
Melting point:	The product has not been tested. -88,5 °C (1.013 hPa)
Boiling point:	Literature data. 82,3 °C (1.013 hPa) Literature data.

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Flash point:	11,7 °C	
	Literature data.	
Flammability:	Highly flammable.	
Ignition temperature:	399 °C	
Vapour pressure:	60,2 hPa (25 °C)	
	Literature data.	
Density:	0,79 g/cm ³ (20 °C)	
	Literature data.	
Relative density:	0,79 (20 °C)	
	Literature data.	
Solubility in water:	miscible	
Partitioning coefficient n-octanol/water (log Kow):	0,05	
	Literature data.	
Self ignition:	not self-igniting	Test type: Spontaneous self-ignition at room-temperature.
Thermal decomposition:	Vapours may form explosive mixture with air. No decomposition if stored and handled as prescribed/indicated.	
Viscosity, dynamic:	2,1 mPa.s (25 °C)	
	Literature data.	
Explosion hazard:	Based on the chemical structure there is no indicating of explosive properties.	
Fire promoting properties:	Based on its structural properties the product is not classified as oxidizing.	

Other information

Bulk density:	not applicable	
pKA:	Study scientifically not justified.	
Adsorption/water - soil:	KOC: 3,48; log KOC: 0,54	(calculated)
Surface tension:	Based on chemical structure, surface activity is not to be expected.	
Grain size distribution:	Study technically not feasible.	
Molar mass:	60,10 g/mol	
Other Information:	Study scientifically not justified.	

10. Stability and Reactivity

Reactivity

No hazardous reactions if stored and handled as prescribed/indicated.

Formation of flammable gases:	Remarks:	Forms no flammable gases in the presence of water.
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Chemical stability

The product is stable if stored and handled as prescribed/indicated.

Possibility of hazardous reactions

No hazardous reactions if stored and handled as prescribed/indicated.

Conditions to avoid

See MSDS section 7 - Handling and storage.

Incompatible materials

Substances to avoid:
strong oxidizing agents

Hazardous decomposition products

No hazardous decomposition products if stored and handled as prescribed/indicated.

11. Toxicological Information**Information on toxicological effects**Acute toxicity

Assessment of acute toxicity:

Virtually nontoxic by inhalation. Virtually nontoxic after a single skin contact. High concentrations in the air may cause narcosis. Of low toxicity after single ingestion.

Irritation

Assessment of irritating effects:

Not irritating to the skin. Eye contact causes irritation.

Experimental/calculated data:

Skin corrosion/irritation rabbit: non-irritant

Serious eye damage/irritation rabbit: Irritant. (similar to OECD guideline 405)

Respiratory/Skin sensitization

Assessment of sensitization:

Skin sensitizing effects were not observed in animal studies.

Experimental/calculated data:

Buehler test guinea pig: Non-sensitizing. (OECD Guideline 406)

Germ cell mutagenicity

Assessment of mutagenicity:

The substance was not mutagenic in bacteria. The substance was not mutagenic in mammalian cell culture. The substance was not mutagenic in a test with mammals.

Carcinogenicity

Assessment of carcinogenicity:

In long-term studies in rats and mice in which the substance was given by inhalation, a carcinogenic effect was not observed.

Reproductive toxicity

Assessment of reproduction toxicity:

Animal studies gave no indication of a fertility impairing effect at doses which were not toxic to the parental animals.

Developmental toxicity

Assessment of teratogenicity:

Animal studies gave no indication of a developmental toxic effect at doses that were not toxic to the parental animals.

Specific target organ toxicity (single exposure)

Assessment of STOT single:

Possible narcotic effects (drowsiness or dizziness).

Repeated dose toxicity and Specific target organ toxicity (repeated exposure)

Assessment of repeated dose toxicity:

No adverse effects were observed after repeated inhalative exposure in animal studies. The substance may cause damage to the liver after repeated inhalation of high doses.

12. Ecological Information

Toxicity

Assessment of aquatic toxicity:

There is a high probability that the product is not acutely harmful to aquatic organisms. The inhibition of the degradation activity of activated sludge is not anticipated when introduced to biological treatment plants in appropriate low concentrations.

Toxicity to fish:

LC50 (96 h) 9.640 mg/l, Pimephales promelas (EPA 72-1, Flow through.)

Literature data.

Aquatic invertebrates:

EC50 (24 h) > 10.000 mg/l, Daphnia magna (Daphnia test acute, static)

Nominal concentration. Literature data.

Aquatic plants:

EC50 (72 h) > 1.000 mg/l (growth rate), Pseudokirchneriella subcapitata (OECD Guideline 201)

Microorganisms/Effect on activated sludge:

EC50 (3 h) > 1.000 mg/l, activated sludge, domestic (OECD Guideline 209, aquatic)

Nominal concentration. Literature data.

Chronic toxicity to fish:

| Study scientifically not justified.

Chronic toxicity to aquatic invertebrates:

No observed effect concentration (21 d), > 100 mg/l, Daphnia magna (OECD Guideline 211)

Soil living organisms:

| Study scientifically not justified.

Terrestrial plants:

EC50 35 mM, Lactuca sativa

Other terrestrial non-mammals:

LC50 (3 d) 11.8 - 13.4 g/L in diet, Drosophila melanogaster

Persistence and degradability

Assessment biodegradation and elimination (H₂O):

Readily biodegradable (according to OECD criteria).

Elimination information:

70 - 80 % BOD of the ThOD (20 d) (DIN 38409 Part 51) (aerobic, domestic sewage, non-adapted)
Literature data.

Assessment of stability in water:

| According to structural properties, hydrolysis is not expected/probable.

Bioaccumulative potential

Assessment bioaccumulation potential:

| Because of the n-octanol/water distribution coefficient (log Pow) accumulation in organisms is not to be expected.

Mobility in soil (and other compartments if available)

Assessment transport between environmental compartments:

| The substance will not evaporate into the atmosphere from the water surface.

| Adsorption to solid soil phase is not expected.

Results of PBT and vPvB assessment

| According to Annex XIII of Regulation (EC) No.1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH): The product does not fulfill the criteria for PBT (persistent/bioaccumulative/toxic) or vPvB (very persistent/very bioaccumulative). Self classification

13. Disposal Considerations

Waste treatment methods

Observe national and local legal requirements.

The waste code in accordance with the European waste catalog (EWC) must be specified in cooperation with disposal agency/manufacturer/authorities.

Residues should be disposed of in the same manner as the substance/product.

Act. No. 185/2001 Coll., Act on Waste, as amended.

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Waste key:16 03 05^{pr} organic wastes containing dangerous substances15 01 10^{pr} packaging containing residues of or contaminated by dangerous substances**Contaminated packaging:**

Contaminated packaging should be emptied as far as possible; then it can be passed on for recycling after being thoroughly cleaned.

14. Transport Information

Land transport

ADR

Hazard class:	3
Packing group:	II
ID number:	UN 1219
Hazard label:	3
Proper shipping name:	ISOPROPANOL (ISOPROPYL ALCOHOL)

RID

Hazard class:	3
Packing group:	II
ID number:	UN 1219
Hazard label:	3
Proper shipping name:	ISOPROPANOL (ISOPROPYL ALCOHOL)

Inland waterway transport

ADN

Hazard class:	3
Packing group:	II
ID number:	UN 1219
Hazard label:	3
Proper shipping name:	ISOPROPANOL (ISOPROPYL ALCOHOL)

Sea transport

IMDG

Hazard class:	3
Packing group:	II
ID number:	UN 1219
Hazard label:	3
Marine pollutant:	NO
Proper shipping name:	ISOPROPANOL (ISOPROPYL ALCOHOL)

Air transport

IATA/ICAO

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Hazard class:	3
Packing group:	II
ID number:	UN 1219
Hazard label:	3
Proper shipping name:	ISOPROPANOL (ISOPROPYL ALCOHOL)

15. Regulatory Information

Safety, health and environmental regulations/legislation specific for the substance or mixture

According to directive No. 356/2003 about chemical substances and chemical formulations the product is designated as dangerous.

Act No. 258/2000 Coll., Act on the Care and Health of Persons, and Governmental Ordinance No. 361/2007 Coll, which stipulates the conditions for the protection of employee's health at work, as amended. Act No. 477/2001 Coll., about packagings, as amended.
 ČSN 65 0201 and ČSN 65 6060 for storage, handling and transport

If other regulatory information applies that is not already provided elsewhere in this safety data sheet, then it is described in this subsection.

16. Other Information

Full text of the classifications, including the indication of danger, the hazard symbols, the R phrases, and the hazard statements, if mentioned in section 2 or 3:

F	Highly flammable.
Xi	Irritant.
11	Highly flammable.
36	Irritating to eyes.
67	Vapours may cause drowsiness and dizziness.
Flam. Liq.	Flammable liquid
Eye Dam./Irrit.	Serious eye damage/eye irritation
STOT SE	Specific target organ toxicity — single exposure
H319	Causes serious eye irritation.
H225	Highly flammable liquid and vapour.
H336	May cause drowsiness or dizziness.

The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. The data do not describe the product's properties (product specification). Neither should any agreed property nor the suitability of the product for any specific purpose be deduced from the data contained in the safety data sheet. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.

Vertical lines in the left hand margin indicate an amendment from the previous version.