

Manufacturer : Motip-Dupli GmbH
Product number : MONTANA
Product name : DC-ART COLOR DIFF.COLOURS
Print date : 10.01.02 Revision : 06.11.01 Page : 1/ 8

01. Identification of substance, preparation and company

Trade name

DC-ART COLOR DIFF.COLOURS

Manufacturer/Supplier

Motip-Dupli GmbH

Street/P.O.box

Industriestrasse

Country code/Postal code/Town/City

D-74855 Hassmersheim

Telephone/Telefax

Telefon : ++49-6266/75-0

Telefax : ++49-6266/75-362

Emergency information

Telefon : ++49-6266/75-249

++49-6266/75-310

02. Composition/Information on components

Chemical characterization

Preparation of active agent, solvent and propellant.

Hazardous components

ACETONE

Concentration : 20 - 25 % CAS number : 67-64-1

Symbol : F Xi R : 11-36-66-67

BUTANE

Concentration : 15 - 20 % CAS number : 106-97-8

Symbol : F+ R : 12

XYLENE

Concentration : 15 - 20 % CAS number : 1330-20-7

Symbol : Xn Xi R : 10-20/21-38

PROPANE

Concentration : 5 - 10 % CAS number : 74-98-6

Symbol : F+ R : 12

SOLVENT NAPHTHA (PETROLEUM), LIGHT AROM.

Concentration : 5 - 10 % CAS number : 64742-95-6

Symbol : Xn N R : 10-37-51/53-65-66-67

TOLUENE

Concentration : 1 - 5 % CAS number : 108-88-3

Symbol : F Xn R : 11-20

2-METHOXY-1-METHYLETHYL ACETATE

Concentration : 1 - 5 % CAS number : 108-65-6

Symbol : Xi R : 10-36

03. Hazards identification

Hazard designation

Extremely flammable

Harmful

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Particular information pertaining specific risk for human and environment

The product is water polluting

In use, may form flammable/explosive vapour-air mixture

04. First aid measures

General

immediately remove person concerned out of danger area

Inhalation

Inhalation of aerosols or steam in high concentration:

Let in fresh air

Skin contact

wash away with soap and water and rinse

Eye contact

Flush with plenty of water (10 - 15 min.)

Ingestion

do not induce vomiting

Keep at rest.

Call a doctor

05. Fire-fighting measures

Extinguishing media - suitable

extinguishing powder

carbon dioxide

Adapt extinguishing measures to suit the environment.

foam

Special risk posed by the substance or by the actual preparation, its combustion products or gases discharged

Fire will produce dense black smoke. Exposure to decomposition products may cause a health hazard.

Protective equipment

in case of fire do not breathe fumes

When extinguishing fires, use breathing apparatus with an independent source of air.

Additional information

cool endangered containers with water in case of fire

pressure formation and bursting of containers possible

06. Accidental release measures

Personal precautions

remove ignition sources

Take the precautions customary when handling chemicals

Environmental precautions

take up with a liquid absorbing material and proceed according to the waste disposal regulations.

do not empty into drains

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Methods for cleaning up/collecting

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations (see

07. Handling and storage

Information for safe handling

observe UVV for handling of painting material VBG 23 (10/90)

Information about protection against explosions and fires

take precautionary measures against static discharges
keep away from ignition sources and provide for good ventilation

Flammable class : C

Requirements to be met by storerooms and containers

Make sure that ventilation is adequate

Information about separation of incompatible products

Further information about storage conditions

keep containers in a well-ventilated place
Avoid heating over 50°C

Storage class (VCI) : 2B

08. Exposure controls and personal protection

Additional information about engineering measures

Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Components with critical values that require monitoring at the workplace (exposure limits)

ACETONE	CAS :67-64-1
Specification	: MAK
Value	: 500,0000 ppm / 1200,0000 mg/m ³
Short-term exposure limit:	I
Valid as per (mm/yy)	: 12 / 98
Specification	: BAT
Value	: 80,0000 mg/l
Analysis material	: Urine
Parameter	: Acetone
Time of taking the trial	: End of exposition, respectively end of shift
Valid as per (mm/yy)	: 12 / 98
BUTANE	CAS :106-97-8
Specification	: MAK
Value	: 1000,0000 ppm / 2350,0000 mg/m ³
Short-term exposure limit:	IV
Valid as per (mm/yy)	: 12 / 98

Material Safety Data Sheet

according to 91/155/EC

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XYLENE **CAS :1330-20-7**
Specification : MAK
Value : 100,0000 ppm / 440,0000 mg/m3
Short-term exposure limit: II,1
Indication of : H
Pregnancy group : D
Valid as per (mm/yy) : 12 / 98
Specification : BAT
Value : 1,5000 mg/l
Analysis material : Blood
Parameter : Xylene
Time of taking the trial : End of exposition, respectively end of shift
Valid as per (mm/yy) : 12 / 98
Specification : BAT
Value : 2,0000 g/l
Analysis material : Urine
Parameter : Methylhippur-(Tolur-)acid
Time of taking the trial : End of exposition, respectively end of shift
Valid as per (mm/yy) : 12 / 98

PROPANE **CAS :74-98-6**
Specification : MAK
Value : 1000,0000 ppm / 1800,0000 mg/m3
Short-term exposure limit: IV
Valid as per (mm/yy) : 12 / 98

TOLUENE **CAS :108-88-3**
Specification : MAK
Value : 50,0000 ppm / 190,0000 mg/m3
Short-term exposure limit: II,2
Indication of : Y
Pregnancy group : C
Valid as per (mm/yy) : 12 / 98
Specification : BAT
Value : 1,0000 mg/l
Analysis material : Blood
Parameter : Toluene
Time of taking the trial : End of exposition, respectively end of shift
Valid as per (mm/yy) : 12 / 98
Specification : BAT
Value : 3,0000 mg/l
Analysis material : Urine
Parameter : o-Cresol
Time of taking the trial : End of exposition; Long-term exposure:After several shifts
Valid as per (mm/yy) : 12 / 98

2-METHOXY-1-METHYLETHYL ACETATE **CAS :108-65-6**
Specification : MAK
Value : 50,0000 ppm / 275,0000 mg/m3
Short-term exposure limit: I
Indication of : Y
Pregnancy group : C
Valid as per (mm/yy) : 12 / 98

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Personal protective equipment

General protective and hygiene measures

do not eat or drink during work - no smoking

Respiratory equipment

take breathing protection measures(see also instruct.to avoid accidents)
Breathing protection equipment required in inadequately ventilated places and during spraying.

Respiratory filter (gas) : A

Skin protection

use protective gloves

Eye protection

use safety glasses

Body protection

light protective clothing

09. Physical and chemical properties

Image

Form : aerosol
Colour : different
Odour : like solvent

Relevant safety data

Change in condition

not applicable

Flashpoint : not applicable

Ignition temperature : not applicable

Explosive limits :

Lower / Upper : ca 1,5 Vol% / ca 11 Vol%

Vapor pressure : (50 °C) ca 7200 hPa vap.pressure balance

(20 °C) ca 4500 hPa vap.pressure balance

Density : (20 °C) ca 0,8 g/cm³ DIN 53217

Viscosity :

not applicable

Solvent-separation test not applicable

10. Stability and reactivity

Conditions to avoid

none, if handled according to order
danger of bursting and explosion by pressure increase

Dangerous decomposition products

none, if handled according to order

Further information:

danger of bursting

11. Toxicological information

There are no data available on the preparation itself

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12. Ecological information**Details on elimination (persistence / degradability)**

There are no data available on the preparation itself.

13. Disposal considerations**Product****Recommendation**

do not empty into waters or drains
in accordance with local official regulations
EWC No.:080102

Contaminated packaging**Recommendation**

Contaminated packaging must be emptied of all residues and, following appropriate cleaning, may be sent to a recycling plant. Uncleaned packaging must be disposed of in the same manner as the medium.
EWC Nr. 150104

14. Transport information**Land transport ADR/RID and GGVS/GGVE****Classification**

GGVS/GGVE : Class 2 **Number** 5 **Letter** F
RID/ADR : Class 2 **Number** 5 **Letter** F

Packaging

Tremcard
3

Instructions

"Un 1950 Aerosols, class 2, 5, F, limited quantities"ADR/RID

Approved for conveyance by post(Y/N): National J
International N

Inland waterways ADN/ADNR**Classification**

ADN/ADNR : Class ADNR
Proper shipping name
AEROSOLS

Maritime transport IMDG/GGVSea**Classification**

IMDG-Code : 2. **IMDG-Page** : 2102
UN-number : 1950 **MARPOL** : -
MFAG-Table : 310 **EmS number** : 2-13

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Additional information

Aerosol guideline no.94/1 EU

Pressurized container: Protect from sunlight and do not expose to temperatures exceeding 50°C*. Do not pierce or burn, even after use. Do not spray on a naked flame or any incandescent material. Keep away sources of ignition-No smoking. Keep out of reach of children. Without sufficient ventilation formation of explosive mixtures may be possible
*(e. g. in the car)

National regulations**Gefahrstoffverordnung****Hinweise zu Beschäftigungsbeschränkungen****Verordnung über brennbare Flüssigkeiten**

VbF-Klasse NU

Emission control act ("TA-Luft")

Class	sum org.	sum anorg.	sum cancer.
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II	29,04 %		
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III	49,72 %		
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Water pollution classification

WGK 2 .

Poisonous law (CH)

Class 0

BAGT-number 94097

16. Other information

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.
