

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

BNS
more than care

MORELLO LEDERFARBE DUNKELBLAU 40 ML

WM 0900976

Order number:

Version 1.0

Revision Date 14.09.2012

Print Date 14.09.2012

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

1.1 Product identifier

Trade name : MORELLO LEDERFARBE DUNKELBLAU 40 ML
Identification number : 63390

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

Use of the Sub-
stance/Mixture : Colouring agent

1.3 Details of the supplier of the safety data sheet

Company : Bergal, Nico & Solitaire Vertr. GmbH
Rheinallee 96
55120 Mainz
Telephone : +49613196404
Telefax : +4961319642515
E-mail address Respon-
sible/issuing person : Produktsicherheit@werner-mertz.com
Contact person : Product development / product safety

1.4 Emergency telephone number

+49(0)6131-19240

2. Hazards identification

2.1 Classification of the substance or mixture

Classification (67/548/EEC, 1999/45/EC)

Highly flammable
Irritant

R11: Highly flammable.
R36: Irritating to eyes.
R66: Repeated exposure may cause skin dryness
or cracking.
R67: Vapours may cause drowsiness and dizzi-
ness.

2.2 Label elements

Labelling according to EC Directives (1999/45/EC)

Hazard pictograms :



Highly
flammable

Irritant

R-phrases)

: R11

Highly flammable.

SAFETY DATA SHEET

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	R36	Irritating to eyes.
	R66	Repeated exposure may cause skin dryness or cracking.
	R67	Vapours may cause drowsiness and dizziness.
S-phrase(s)	: S 2	Keep out of the reach of children.
	S16	Keep away from sources of ignition - No smoking.
	S23	Do not breathe vapour.
	S25	Avoid contact with eyes.
	S35	This material and its container must be disposed of in a safe way.
	S46	If swallowed, seek medical advice immediately and show this container or label.

2.3 Other hazards

No information available.

3. Composition/information on ingredients**3.2 Mixtures**

Chemical nature : Alcoholic solution

Hazardous components

Chemical Name	CAS-No. EC-No. Registration number	Classification (67/548/EEC)	Classification (REGULATION (EC) No 1272/2008)	Concentration [%]
acetone	67-64-1 200-662-2	F; R11 Xi; R36 R66 R67	Flam. Liq. 2; H225 Eye Irrit. 2; H319 STOT SE 3; H336	>= 40 - < 50
WEL substance :				
ethanol	64-17-5 200-578-6	F; R11	Flam. Liq. 2; H225 Eye Dam. 2; H319	>= 25 - < 40

For the full text of the R-phrases mentioned in this Section, see Section 16.

For the full text of the H-Statements mentioned in this Section, see Section 16.

4. First aid measures**4.1 Description of first aid measures**

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

BNS
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MORELLO LEDERFARBE DUNKELBLAU 40 ML

WM 0900976

Order number:

Version 1.0

Revision Date 14.09.2012

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- General advice : Move out of dangerous area. Consult a physician. Show this safety data sheet to the doctor in attendance.
- If inhaled : Move to fresh air. Consult a physician after significant exposure.
- In case of skin contact : Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water. If symptoms persist, call a physician.
- In case of eye contact : Protect unharmed eye. If easy to do, remove contact lens, if worn. Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. If eye irritation persists, consult a specialist.
- If swallowed : Clean mouth with water and drink afterwards plenty of water. Do NOT induce vomiting. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person. Obtain medical attention.

4.2 Most important symptoms and effects, both acute and delayed

- Symptoms : Irritation
- Risks : No information available.

4.3 Indication of any immediate medical attention and special treatment needed

- Treatment : For specialist advice physicians should contact the Poisons Information Service.

5. Firefighting measures

5.1 Extinguishing media

- Suitable extinguishing media : Alcohol-resistant foam
Carbon dioxide (CO₂)
Dry chemical

5.2 Special hazards arising from the substance or mixture

- Specific hazards during fire-fighting : Do not allow run-off from fire fighting to enter drains or water courses.

5.3 Advice for firefighters

- Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.
- Further information : Use water spray to cool unopened containers. Collect contaminated fire extinguishing water separately. This must not be

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WM 0900976

Order number:

Version 1.0

Revision Date 14.09.2012

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discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. For safety reasons in case of fire, cans should be stored separately in closed containments.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Use personal protective equipment. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.

6.2 Environmental precautions

Environmental precautions : Prevent product from entering drains. Prevent further leakage or spillage if safe to do so.

6.3 Methods and materials for containment and cleaning up

Methods for cleaning up : Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).

6.4 Reference to other sections

For personal protection see section 8. Treat recovered material as described in the section "Disposal considerations". Refer to section 15 for specific national regulation.

7. Handling and storage

7.1 Precautions for safe handling

Advice on safe handling : Avoid contact with skin and eyes. For personal protection see section 8. Smoking, eating and drinking should be prohibited in the application area. Take precautionary measures against static discharges. Container may be opened only under exhaust ventilation hood.

Advice on protection against fire and explosion : Avoid formation of aerosol. Keep away from sources of ignition - No smoking. Take measures to prevent the build up of electrostatic charge.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : No smoking. Store in cool place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Electrical installations / working materials must comply

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

BNS

more than care

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Version 1.0

Revision Date 14.09.2012

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with the technological safety standards. Store at room temperature in the original container.

Other data : No decomposition if stored and applied as directed.

7.3 Specific end uses

Specific use(s) : Colouring agent

8. Exposure controls/personal protection**8.1 Control parameters**

Components	CAS-No.	Value	Control parameters	Update	Basis
acetone	67-64-1	STEL	1.500 ppm 3.620 mg/m ³	2005-04-06	GB EH40
		TWA	500 ppm 1.210 mg/m ³	2005-04-06	GB EH40
		TWA	500 ppm 1.210 mg/m ³	2000-06-16	2000/39/EC
Further information	:	Indicative			
ethanol	64-17-5	TWA	1.000 ppm 1.920 mg/m ³	2005-04-06	GB EH40
Further information	:	2: Where no specific short-term exposure limit is listed, a figure three times the long-term exposure should be used			

DNEL

ethanol

: End Use: Workers
Exposure routes: Inhalation
Potential health effects: Short-term exposure, Local effects
Value: 1900 mg/m³

End Use: Workers
Exposure routes: Skin contact
Potential health effects: Long-term exposure, Systemic effects
Value: 343 mg/kg

End Use: Workers

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

BNS
more than care

MORELLO LEDERFARBE DUNKELBLAU 40 ML

WM 0900976

Order number:

Version 1.0

Revision Date 14.09.2012

Print Date 14.09.2012

Exposure routes: Inhalation
Potential health effects: Long-term exposure, Systemic effects
Value: 950 mg/m³

End Use: Consumers
Exposure routes: Inhalation
Potential health effects: Short-term exposure, Local effects
Value: 950 mg/m³

End Use: Consumers
Exposure routes: Skin contact
Potential health effects: Long-term exposure, Systemic effects
Value: 206 mg/kg

End Use: Consumers
Exposure routes: Inhalation
Potential health effects: Long-term exposure, Systemic effects
Value: 114 mg/m³

End Use: Workers
Exposure routes: Ingestion
Potential health effects: Long-term exposure, Systemic effects
Value: 87 mg/kg

8.2 Exposure controls

Personal protective equipment

- Respiratory protection : In the case of vapour formation use a respirator with an approved filter.
- Hand protection : Solvent-resistant gloves
Los guantes de protección seleccionados deben cumplir con las especificaciones de la Directiva de la UE 89/689/CEE y de la norma EN 374 derivada de ella. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.
Before removing gloves clean them with soap and water.
- Eye protection : Tightly fitting safety goggles
- Skin and body protection : impervious clothing Choose body protection according to the amount and concentration of the dangerous substance at the work place.
- Hygiene measures : Handle in accordance with good industrial hygiene and safety practice. When using do not eat or drink. When using do not smoke. Wash hands before breaks and at the end of workday.

Environmental exposure controls

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

BNS
more than care

MORELLO LEDERFARBE DUNKELBLAU 40 ML

WM 0900976

Order number:

Version 1.0

Revision Date 14.09.2012

Print Date 14.09.2012

General advice : Prevent product from entering drains. Prevent further leakage or spillage if safe to do so.

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance : liquid
Colour : dark blue
Odour : characteristic
Boiling point/boiling range : > 36 °C
Flash point : ca. -13 °C
Density : ca. 0,855 g/cm³
Water solubility : in all proportions, soluble

9.2 Other information

There is no data available for this product.

10. Stability and reactivity

10.1 Reactivity

Stable under recommended storage conditions. No dangerous reaction known under conditions of normal use.

10.2 Chemical stability

No decomposition if stored and applied as directed.

10.3 Possibility of hazardous reactions

Hazardous reactions : No decomposition if used as directed.
: Vapours may form explosive mixture with air.

10.4 Conditions to avoid

Conditions to avoid : Heat, flames and sparks.

10.5 Incompatible materials

Materials to avoid : no data available

10.6 Hazardous decomposition products

Hazardous decomposition products : No hazardous decomposition products are known.

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

BNS
more than care

MORELLO LEDERFARBE DUNKELBLAU 40 ML

WM 0900976

Order number:

Version 1.0

Revision Date 14.09.2012

Print Date 14.09.2012

11. Toxicological information

11.1 Information on toxicological effects

Product

- Skin corrosion/irritation : May cause skin irritation in susceptible persons.
- Serious eye damage/eye irritation : Vapours may cause irritation to the eyes, respiratory system and the skin.
- Respiratory or skin sensitization : no data available
- Further information : Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting., Concentrations substantially above the TLV value may cause narcotic effects., Solvents may degrease the skin.

Components:

acetone :

Acute oral toxicity : LD50 (rat): 5.800 mg/kg

ethanol :

Acute oral toxicity : LD50 (rat): 6.200 mg/kg

Acute dermal toxicity : LD50 (rabbit): 20.000 mg/kg

Reproductive toxicity : rat, Oral, NOAEL: 13.800 mg/kg

12. Ecological information

12.1 Toxicity

There is no data available for this product.

Components:

acetone :

Toxicity to fish : LC50 (Lepomis macrochirus (Bluegill sunfish), 96 h): 8.300 mg/l

Toxicity to daphnia and other aquatic invertebrates. : EC50 (Daphnia magna (Water flea), 48 h): 6.100 mg/l (Immobilization)

Toxicity to algae : EC50 (Pseudokirchneriella subcapitata (green algae), 120 h): 7.000 mg/l (static test)

ethanol :

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout), 96 h): 13 g/l

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

BNS
more than care

MORELLO LEDERFARBE DUNKELBLAU 40 ML

WM 0900976

Order number:

Version 1.0

Revision Date 14.09.2012

Print Date 14.09.2012

	: LC50 (Fish): 11.200 mg/l
Toxicity to daphnia and other aquatic invertebrates.	: EC50 (Daphnia magna (Water flea), 48 h): 9.268 - 14.221 mg/l
Toxicity to algae	: IC50 (Chlorella vulgaris (Fresh water algae)): 275 mg/l
Toxicity to bacteria	: EC50 (Pseudomonas putida, 16 h): 11.800 mg/l (Cell multiplication inhibition test)

12.2 Persistence and degradability

There is no data available for this product.

Components:

acetone :

Biodegradability : 91 %, Result: Readily biodegradable., Exposure time: 28 d

ethanol :

Biodegradability : 94 %, Result: Readily biodegradable., OECD Test Guideline 301

12.3 Bioaccumulative potential

There is no data available for this product.

Components:

acetone :

Bioaccumulation : Bioconcentration factor (BCF): 1, Does not bioaccumulate.

12.4 Mobility in soil

There is no data available for this product.

Components:

ethanol :

Distribution among environmental compartments : Koc: 1, Highly mobile in soils

12.5 Results of PBT and vPvB assessment

There is no data available for this product.

12.6 Other adverse effects

Product:

Additional ecological information : There is no data available for this product.

Components:

acetone :

Chemical Oxygen Demand : 2.070 mg/g

SAFETY DATA SHEET

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Revision Date 14.09.2012

Print Date 14.09.2012

(COD)

13. Disposal considerations**13.1 Waste treatment methods**

- Product : Do not dispose of waste into sewer. Do not contaminate ponds, waterways or ditches with chemical or used container. Offer surplus and non-recyclable solutions to a licensed disposal company.
- Contaminated packaging : Empty remaining contents. Dispose of as unused product. Do not re-use empty containers. Do not burn, or use a cutting torch on, the empty drum.
- Waste Code : European Waste Catalogue 200127
According to the European Waste Catalogue, Waste Codes are not product specific, but application specific. Waste codes should be assigned by the user, preferably in discussion with the waste disposal authorities.

14. Transport information**14.1 UN number**

- ADR** : 1993
IMDG : 1993

14.2 Proper shipping name

- ADR** : FLAMMABLE LIQUID, N.O.S. (acetone, ethanol)
IMDG : FLAMMABLE LIQUID, N.O.S. (Acetone (INCI), Alcohol (INCI))

14.3 Transport hazard class

- ADR** : 3
IMDG : 3

14.4 Packing group

- ADR**
Packaging group : II
Classification Code : F1
Hazard identification No : 33
Labels : 3
Tunnel restriction code : full load, tank-container, (D/E)
- IMDG**
Packaging group : II
Labels : 3
EmS Number : F-E, S-E

14.5 Environmental hazards

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

BNS
more than care

MORELLO LEDERFARBE DUNKELBLAU 40 ML

WM 0900976

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Version 1.0

Revision Date 14.09.2012

Print Date 14.09.2012

ADR

Environmentally hazardous : no

IMDG

Marine pollutant : no

14.6 Special precautions for user

There is no data available for this product.

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

There is no data available for this product.

15. Regulatory information

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

Major Accident Hazard Legislation : 96/82/EC Update:
Highly flammable
7b
Quantity 1: 5.000 000067
Quantity 2: 50.000 000067

Volatile organic compounds (VOC) content : Percent volatile: 82,71 %
717,4 g/l
VOC content excluding water

Volatile organic compounds (VOC) content : Percent volatile: 82,71 %
707,17 g/l
VOC content valid only for coating materials used on wood surfaces

15.2 Chemical Safety Assessment

There is no data available for this product.

16. Other information

Full text of R-phrases referred to under sections 2 and 3

R11 Highly flammable.
R36 Irritating to eyes.
R66 Repeated exposure may cause skin dryness or cracking.
R67 Vapours may cause drowsiness and dizziness.

Full text of H-Statements referred to under sections 2 and 3.

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

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

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SAFETY DATA SHEET

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MORELLO LEDERFARBE DUNKELBLAU 40 ML

Version 1.0

Revision Date 14.09.2012

Print Date 14.09.2012

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