

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

BNS
*more than care***MOR.FUTURA 2000 SCHNELLAUSP.100ML,D.BRAU****WM 0900119****Order number:**

Version 1

Revision Date 12.02.2010

Print Date 27.01.2011

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**Product information**

Trade name : MOR.FUTURA 2000 SCHNELLAUSP.100ML,D.BRAU
Identification number : 63103

Use of the Sub-
stance/Mixture : Care product / Polish

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
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2. HAZARDS IDENTIFICATION**Risk advice to man and the environment**

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

3. COMPOSITION/INFORMATION ON INGREDIENTS**Chemical nature** : Alcoholic solution**Hazardous components**

Chemical Name	CAS-No.	EC-No. / Reg- istration num- ber	Classification	Concentration [%]
acetone	67-64-1	200-662-2	F; R11 Xi; R36 R66 R67	>= 25 - < 40
ethanol	64-17-5	200-578-6	F; R11	>= 25 - < 40
butan-1-ol	71-36-3	200-751-6	R10 Xn; R22 Xi; R37/38-R41 R67	>= 2 - < 5

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

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4. FIRST AID MEASURES

- General advice : Move out of dangerous area. Consult a physician. Show this safety data sheet to the doctor in attendance.
- Inhalation : Move to fresh air. Consult a physician after significant exposure.
- Skin contact : Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water. If symptoms persist, call a physician.
- Eye contact : Immediately flush eye(s) with plenty of water. Remove contact lenses. Protect unharmed eye. Keep eye wide open while rinsing. If eye irritation persists, consult a specialist. Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.
- Ingestion : 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.

5. FIRE-FIGHTING MEASURES

- Suitable extinguishing media : Dry chemical
Alcohol-resistant foam
Carbon dioxide (CO₂)
- Specific hazards during fire fighting : Do not allow run-off from fire fighting to enter drains or water courses.
- Special protective equipment for fire-fighters : 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 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

- 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.

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

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).

7. HANDLING AND STORAGE**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.

Storage

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

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

8. EXPOSURE CONTROLS/PERSONAL PROTECTION**Components with workplace control parameters**

Components	CAS-No.	Value	Control parameters	Update	Basis
acetone	67-64-1	TWA	500 ppm 1.210 mg/m ³	2000-06-16	2000/39/EC
Further information	:	Indicative			

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Personal protective equipment

- Respiratory protection : In the case of vapour formation use a respirator with an approved filter.
- Hand protection : Solvent-resistant gloves 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 : Eye wash bottle with pure water 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.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

- Form : liquid
- Colour : brown
- Odour : characteristic

Safety data

- Flash point : < 0 °C
- Boiling point/boiling range : No information available.
- Density : ca. 0,868 g/cm³
- Water solubility : dispersible

10. STABILITY AND REACTIVITY

- Conditions to avoid : Heat, flames and sparks.
- Thermal decomposition : no data available
- Hazardous reactions : Vapours may form explosive mixture with air.
- : Stability:
No decomposition if used as directed.

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11. TOXICOLOGICAL INFORMATION

Acute oral toxicity
acetone

: LD50 rat
Dose: 9.800 mg/kg

LD50 mouse
Dose: 3.000 mg/kg

LD50 rabbit
Dose: 5.300 mg/kg

LD50 dog
Dose: 24.000 mg/kg

butan-1-ol

: LD50 rat
Dose: 790 mg/kg

LD50 mouse
Dose: 3.000 mg/kg

Acute inhalation toxicity
acetone

: LC50 rat
Dose: 101 mg/l, 5 h

Acute dermal toxicity
acetone

: LD50 rat
Dose: 20.000 mg/kg

LD50 rabbit
Dose: 20.000 mg/kg

LD50 guinea pig
Dose: > 7.400 mg/kg

butan-1-ol

: LD50 rabbit
Dose: 4.200 mg/kg

Skin irritation

: May cause skin irritation in susceptible persons.

Eye irritation

: Vapours may cause irritation to the eyes, respiratory system and the skin.

Sensitisation

: no data available

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Further information : Concentrations substantially above the TLV value may cause narcotic effects. Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting. Solvents may degrease the skin.

12. ECOLOGICAL INFORMATION

Biodegradability acetone : Result: Readily biodegradable.

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

Toxicity to fish acetone : LC50
Species: Pimephales promelas (fathead minnow)
Dose: 7.300,00 mg/l
Exposure time: 96 h

flow-through test LC50
Species: Oncorhynchus mykiss (rainbow trout)
Dose: 6.100,00 mg/l
Exposure time: 24 h

semi-static test LC50
Species: Poecilia reticulata (guppy)
Dose: 6.400,00 mg/l
Exposure time: 14 d

static test LC50
Species: Leuciscus idus (Golden orfe)
Dose: 7.500,00 mg/l
Exposure time: 48 h

LC50
Species: Lepomis macrochirus
Dose: 8.300,00 mg/l
Exposure time: 96 h

static test LC50
Species: Carassius auratus (goldfish)
Dose: > 5.000,00 mg/l
Exposure time: 24 h

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LC50
Species: Cyprinus carpio (Carp)
Dose: 19.000,00 mg/l
Exposure time: 48 h

static test LC50
Species: Cyprinodon variegatus (sheepshead minnow)
Dose: 45.000,00 mg/l
Exposure time: 96 h

butan-1-ol : static test LC50
Species: Pimephales promelas (fathead minnow)
Dose: 1.910,00 mg/l
Exposure time: 96 h

LC50
Species: Pimephales promelas (fathead minnow)
Dose: 1.200,00 mg/l
Exposure time: 96 h

LC50
Species: Leuciscus idus (Golden orfe)
Dose: 1.200,00 mg/l
Exposure time: 48 h

Toxicity to daphnia and other aquatic invertebrates.
acetone : EC50
Species: Daphnia magna (Water flea)
Dose: 12.600,00 - 12.700,00 mg/l
Exposure time: 48 h

Immobilization EC50
Species: Daphnia magna (Water flea)
Dose: 6.100,00 mg/l
Exposure time: 48 h

Toxicity to algae
acetone : Cell multiplication inhibition test

Species: Scenedesmus quadricauda (Green algae)
Dose: 7.500,00 mg/l
Exposure time: 7 d

static test

Species: Pseudokirchneriella subcapitata (green algae)
Dose: 7.000,00 mg/l
Exposure time: 120 h

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Toxicity to bacteria acetone : Cell multiplication inhibition test

Species: Pseudomonas putida
Dose: 1.700,00 mg/l
Exposure time: 16 h

butan-1-ol : Cell multiplication inhibition test
EC0

Species: Pseudomonas putida
Dose: 650,00 mg/l
Exposure time: 16 h
Method: see user defined free text

Further information on ecology

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

13. DISPOSAL CONSIDERATIONS

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

ADR/RID

UN-Number : 1993
Description of the goods : FLAMMABLE LIQUID, N.O.S. (acetone; ethanol)
Class : 3
Packing group : II
Classification Code : F1
Hazard identification No : 33
Labels : 3

IMDG

UN-Number : 1993
Description of the goods : FLAMMABLE LIQUID, N.O.S.

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(Acetone; Ethanol)
Class : 3
Packaging group : II
Labels : 3
EmS Number : F-E
Marine pollutant : no

15. REGULATORY INFORMATION

Labelling according to EC Directives

1999/45/EC

Symbol(s)

F



Highly flammable

Xi



Irritant

R-phrases(s)

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

S-phrases(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.

National legislation

Major Accident Hazard Legislation : 96/82/EC Update: 2003
Highly flammable
7b
Quantity 1: 5.000 000067
Quantity 2: 50.000 000067
Volatile organic compounds (VOC) content : Percent volatile: 73,79 %
650,07 g/l
VOC content excluding water

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Volatile organic compounds (VOC) content : Percent volatile: 73,79 %
640,48 g/l
VOC content valid only for coating materials used on wood surfaces

16. OTHER INFORMATION

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

R10	Flammable.
R11	Highly flammable.
R22	Harmful if swallowed.
R36	Irritating to eyes.
R37/38	Irritating to respiratory system and skin.
R41	Risk of serious damage to eyes.
R66	Repeated exposure may cause skin dryness or cracking.
R67	Vapours may cause drowsiness and dizziness.

Further information

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

Contact person : Product development / product safety

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