

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



For Spray Application.Meagr

DH 100 N

specification 2001687

Revision date

29.04.2008

Version 3.0

Print Date

28.04.2009

material No. 1353683

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1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product information

material No. : 1353683

Trade name : DH 100 N
For Spray Application.Meagr
Thinning Oil

Company : Ferro Magmalor GmbH
Furtweg 23
04680 Colditz

Telephone : +49 34381 8370

Telefax : +49 34381 83768

Emergency telephone : +49 (0)69 30 56 418

E-mail address : braeunlingi@ferro.com

Use of the Substance/Preparation : Detergent, thinner or additive in the ceramic industry or printing trade.

2. HAZARDS IDENTIFICATION

Limited evidence of a carcinogenic effect.
Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical nature

Product contains:
oil/terpene/balsame/wax/resin
organic halogene compound

Information on ingredients/Hazardous components

• dichloromethane	Concentration	50% - 100%
CAS-No. 75-09-2	EC-No.	200-838-9
Symbol(s) Xn	R-phrased(s)	R40
• eucalyptus oil	Concentration	1% - 3%
CAS-No. 8000-48-4, 84625-32-1	EC-No.	283-406-2
Symbol(s) Xn	R-phrased(s)	R10, R36/38, R65
• p-mentha-1,4(8)diene	Concentration	0,25% - 0,5%
CAS-No. 586-62-9	EC-No.	209-578-0
Symbol(s) Xn, N	R-phrased(s)	R10, R65, R51/53
• camphene	Concentration	0,25% - 0,5%
CAS-No. 79-92-5	EC-No.	201-234-8
Symbol(s) Xi, N	R-phrased(s)	R10, R36, R50/53
• pin-2(3)-ene	Concentration	0,25% - 0,5%
CAS-No. 80-56-8	EC-No.	201-291-9
Symbol(s) Xn, N	R-phrased(s)	R10, R36/38, R65, R51/53

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• p-mentha-1,3-diene

CAS-No. 99-86-5

Symbol(s) Xn, N

Concentration 0,25% - 0,5%

EC-No. 202-795-1

R-phrases) R10, R22, R51/53, R65

See chapter 16 for text of risk phrases

4. FIRST AID MEASURES

General advice

Bring affected person out of danger area. Place person on side in stable position if unconscious. Employ mouth-to-mouth resuscitation if breathing ceases. Remove contaminated or saturated clothing.

Inhalation

Take affected persons out into the fresh air.

Skin contact

Wash off immediately with soap and plenty of water. Remove contaminated or saturated clothing.

Eye contact

With eye held open, thoroughly rinse immediately with plenty of water for at least 10 minutes.

Ingestion

Make affected person vomit but only if he is fully conscious. Have patient rinse out mouth with water.

If symptoms persist, call a physician.

Have patient drink plenty of water in small sips.

Notes to physician

No own experience available.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media

The product itself does not burn.

Extinguishing media which shall not be used for safety reasons

none known

Specific hazards during fire fighting

May be released in case of fire: flammable smouldering gases.

In the case of fire, the following hazardous smoke fumes may be produced: chlorine, hydrogen chloride.

When heated, formation of explosive vapour/air mixtures.

Special protective equipment for fire-fighters

In the event of fire, wear self-contained breathing apparatus.

Further information

Water used to extinguish fire should not enter drainage systems, soil, or stretches of water. Ensure there are sufficient retaining facilities for water used to extinguish fire. Contaminated fire-extinguishing water must be disposed of in accordance with the regulations issued by the appropriate local authorities.

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6. ACCIDENTAL RELEASE MEASURES

Personal precautions

Ensure adequate ventilation.

Wear personal protective equipment; see section 8.

Environmental precautions

Prevent penetration into soil, stretches of water and drainage systems.

Methods for cleaning up

Absorb with liquid-binding material (e.g. inert absorbent kieselguhruniversal binder) pick up.

Additional advice

Dispose of contaminated material as waste in accordance with section 13.

7. HANDLING AND STORAGE

Handling

Safe handling advice

Do not breathe in vapours or aerosols.

Advice on protection against fire and explosion

no data available

Storage

Requirements for storage areas and containers

Fumes may be released in closed storage rooms or during processing. Store in a dry place at room temperature.

Further information

Product is water-pollutive. Observe the national and local regulations concerning handling and storage.

Advice on common storage

Keep away from food, drink and animal feedingstuffs.

Keep away from tobacco products.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

• dichloromethane

CAS-No. 75-09-2

EC-No.

200-838-9

Control parameters 75,00 ml/m³

AGW (Germany)

260,00 mg/m³

Engineering measures

If possible, use material transfer/filling, metering and blending plants that are closed.

Eventual aspiration in case of solvent fumes. Technical protection measures have always priority over personal protection equipment.

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Occupational exposure controls

Personal protective equipment

Respiratory protection

Ensure suitable suction/aeration at the work place and with operational machinery.
If workplace exposure limit is exceeded apply Respirator with brown AX-type filter.

Hand protection

Wear protective gloves made of the following materials: nitrile rubber.

Eye protection

wear basket-shaped glasses or safety goggles with side-shields.

Skin and body protection

Safety shoes

When handling larger quantities: rubber apron, plastic apron.

Hygiene measures

Wash hands before breaks and immediately after handling the product.

Protective measures

Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Form	liquid
Colour	colourless
Odour	characteristic

Safety data

physical state	liquid
Lower explosion limit	13 %(V)
Upper explosion limit	25 %(V)
Water solubility	insoluble

10. STABILITY AND REACTIVITY

Conditions to avoid	Avoid temperatures above 120°C.
Materials to avoid	Strong oxidizing agents
Hazardous decomposition products	Information referring to dichloromethane: If heated, decomposition and possible development of phosgene, hydrogen chloride gas, carbon monoxide and chlorine gas.

11. TOXICOLOGICAL INFORMATION

Chronic toxicity / Subacute	May cause cancer.
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toxicity
Skin irritation not known

Eye irritation not known

Sensitisation not known

No results of animal experiments with the product available.

Acute oral toxicity

| dichloromethane

LD50 rat: 2.136 mg/kg

12. ECOLOGICAL INFORMATION

Persistence and degradability

Biodegradability no data available

Physico-chemical removability no data available

Ecotoxicity effects

Specific information for this product is not available.

Toxicity to fish

| dichloromethane

LC50 Fish: 237 - 626 mg/l / 48 h

Toxicity to daphnia

| dichloromethane

EC50 Daphnia: 220 mg/l / 48 h

Further information on ecology

Further Information May cause long-term adverse effects in the aquatic environment.
Harmful to aquatic organisms.

13. DISPOSAL CONSIDERATIONS

Product

Do not dispose of waste into sewer.

Do not contaminate ponds, waterways or ditches with chemical or used container.

In agreement with the waste code must be determined regional waste disposal authority or company.

Dispose of as special waste in compliance with local and national regulations.

Uncleaned packaging

If there is product residue in the emptied container, follow directions for handling on the container's label.

Dispose of as unused product.

14. TRANSPORT INFORMATION

Land transport ADR/RID/GGVSE (Germany)

Class 6.1
Code T1
Packaging group III

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orange warning plate 60 / 1593

Description of the goods (Technical name)

1593 DICHLOROMETHANE, SOLUTION

Sea transport IMDG-Code/GGVSee

Class 6.1
UN-Number 1593
Packaging group III
Proper technical name (Proper shipping name)
DICHLOROMETHANE, SOLUTION

Air transport ICAO-TI/IATA-DGR

Class 6.1
UN-Number 1593
Packaging group III
Proper technical name (Proper shipping name)
Dichloromethane, solution

15. REGULATORY INFORMATION

Labelling according to EC Directives

statutory basis/list 1999/45/EC

Hazard-defining component(s)

- dichloromethane

Symbol(s)	Xn	Harmful
R-phrases(s)	R40 R52/53	Limited evidence of a carcinogenic effect. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
S-phrases(s)	S23 S24/25 S36/37 S60	Do not breathe vapour. Avoid contact with skin and eyes. Wear suitable protective clothing and gloves. This material and its container must be disposed of as hazardous waste.

Exceptional labelling of special preparations Can become flammable in use.

Major Accident Hazard Legislation 96/82/EC listing: Update: 2003 Directive 96/82/EC does not apply

National legislation (Germany)

Water contaminating class (Germany) WGK 2 Update: water endangering VVWS A4

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TA Luft List (Germany)

Class	I	II	III	IV
organic	85,0 %	0,0 %	0,0 %	
carcinogenic	0,0 %	0,0 %	0,0 %	
inorganic-dust-like	0,0 %	0,0 %	0,0 %	
inorganic-gaseous	0,0 %	0,0 %	0,0 %	0,0 %

Other regulations

The employment limitations under the regulations to the protection from hazardous materials of pregnant women and young mothers guideline and the protection of young persons act are to be observed.

16. OTHER INFORMATION**Risk phrase (R phrase) texts****• dichloromethane**

R40 Limited evidence of a carcinogenic effect.

• eucalyptus oil

R10 Flammable.
R36/38 Irritating to eyes and skin.
R65 Harmful: may cause lung damage if swallowed.

• p-mentha-1,4(8)diene

R10 Flammable.
R65 Harmful: may cause lung damage if swallowed.
R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

• camphene

R10 Flammable.
R36 Irritating to eyes.
R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

• pin-2(3)-ene

R10 Flammable.
R36/38 Irritating to eyes and skin.
R65 Harmful: may cause lung damage if swallowed.
R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

• p-mentha-1,3-diene

R10 Flammable.
R22 Harmful if swallowed.
R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R65 Harmful: may cause lung damage if swallowed.

Further information

Data sheet producing department:

Ferro US-PS Telephone: +49 (0)69 27116-605

Changes since the last version will be highlighted in the margin. This version replaces all previous versions.

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