

Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date 10.08.2010

Revision: 10.08.2010

1 Identification of the substance/preparation and of the company/undertaking

- Trade name / Article-No: **Primer**
- Application of the substance / the preparation Priming
- Manufacturer/Supplier:



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- Further information obtainable from:
- Information in case of emergency:

2 Hazards identification

- Hazard description:
Xn Harmful
- Information concerning particular hazards for human and environment:
The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.
R 40 Limited evidence of a carcinogenic effect.
- GHS label elements
health hazard **Warning**
3.6/2 - Suspected of causing cancer.
 - **Prevention:**
Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Use personal protective equipment as required.
 - **Response:**
IF exposed or concerned: Get medical advice/attention.
 - **Storage:**
Store locked up.
 - **Disposal:**
Dispose of contents/container in accordance with local/regional/national/international regulations.

3 Composition/information on ingredients

- Chemical characterization
 - **Description:** Mixture of substances listed below with nonhazardous additions.
 - **Dangerous components:**

CAS NO.	Description	Index R-phrases	%
75-09-2	dichloromethane		80-95%
	Carc. Cat. 3; Xn; R 40		
	Warning: health hazard 3.6/2		

4 First-aid measures

- **After inhalation:**
Supply fresh air; consult doctor in case of complaints.

(Contd. on page 2)

INT

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Trade name / Article-No: **Primer 836.2**

(Contd. of page 1)

In case of unconsciousness place patient stably in side position for transportation.

- **After skin contact:**
Immediately wash with water and soap and rinse thoroughly.
If skin irritation continues, consult a doctor.
- **After eye contact:** Rinse opened eye for several minutes under running water. Then consult a doctor.
- **After swallowing:** Do not induce vomiting; call for medical help immediately.

5 Fire-fighting measures

- **Suitable extinguishing agents:**
CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **Special hazards caused by the substance, its products of combustion or resulting gases:**
Hydrogen chloride (HCl)
Traces:
Phosgene gas
- **Protective equipment:** Wear self-contained respiratory protective device.

6 Accidental release measures

- **Person-related safety precautions:**
Ensure adequate ventilation
Wear protective equipment. Keep unprotected persons away.
- **Measures for environmental protection:**
Prevent seepage into sewage system, workpits and cellars.
Do not allow to enter sewers/ surface or ground water.
- **Measures for cleaning/collecting:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose contaminated material as waste according to item 13.
Ensure adequate ventilation.

7 Handling and storage

- **Handling:**
 - **Information for safe handling:** Ensure good ventilation/exhaustion at the workplace.
 - **Information about fire - and explosion protection:** No special measures required.
- **Storage:**
 - **Requirements to be met by storerooms and receptacles:** Keep container tightly closed.
 - **Further information about storage conditions:** None.

8 Exposure controls/personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.

(Contd. on page 3)

INT

Safety Data Sheet

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Printing date 10.08.2010

Revision: 10.08.2010

Trade name / Article-No: **Primer 836.2**

(Contd. of page 2)

· **Ingredients with limit values that require monitoring at the workplace:**

· CAS No. Designation of material % Type Value Unit

75-09-2 dichloromethane

WEL (Great Britain) Short-term value: 1060 mg/m³, 300 ppm
Long-term value: 350 mg/m³, 100 ppm
Sk

AGS (04/2007) (Germany) 260, 75
Spitzenbegrenzung: 4-fach, Dauer 15min,
4x/Schicht

AGW (Germany) 260 mg/m³, 75 ppm
4(II);AGS

PEL (USA) Short-term value: 125 ppm
Long-term value: 25 ppm
see 29 CFR 1910,1052

REL (USA) LFC

TLV (USA) 174 mg/m³, 50 ppm
BEI

· **Additional information:** The lists valid during the making were used as basis.

· **Personal protective equipment:**

· **General protective and hygienic measures:**

Keep away from foodstuffs, beverages and feed.
Wash hands before breaks and at the end of work.

· **Respiratory protection:**

Use suitable respiratory protective device when high concentrations are present.
Filter AX (EN 371)

· **Protection of hands:**

· **Material of gloves**

Fluorocarbon rubber (Viton) - FCM (0.4 mm)
Butyl rubber - BR (0.5 mm)
multilayer gloves - PE/EVAL/PE
(PE=Polyethylene, EVAL=Ethylene Vinylalcohol-Copolymer)

· **Not suitable are gloves made of the following materials:**

Nitrile rubber - NBR (0.35 mm)
Natural rubber - NR (0.5 mm)
PVC gloves (0.5 mm)
Chloroprene rubber - CR (0.5 mm)

· **Eye protection:** Safety glasses

· **Body protection:** Protective work clothing

9 Physical and chemical properties

· **General Information**

· **Form:** Fluid
· **Colour:** Brown
· **Odour:** Sweetish

· **Change in condition**

· **Melting point/Melting range:** Undetermined.
· **Boiling point/Boiling range:** 40°C

· **Flash point:** Not applicable.

· **Ignition temperature:** 605°C

· **Self-igniting:** Product is not selfigniting.

· **Danger of explosion:** Product does not present an explosion hazard.

(Contd. on page 4)

INT

Safety Data Sheet

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Printing date 10.08.2010

Revision: 10.08.2010

Trade name / Article-No: **Primer 836.2**

(Contd. of page 3)

- **Explosion limits:**
 - Lower: 13,0 Vol %
 - Upper: 22,0 Vol %
- **Vapour pressure at 20°C:** 453 hPa
- **Density at 20°C:** 1,33 g/cm³
- **Solubility in / Miscibility with**
 - water: Not miscible or difficult to mix.
- **pH-value at 20°C:** nicht anwendbar
- **Viscosity:**
 - Kinematic at 20°C: 15 s (DIN 53211/4)

10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Materials to be avoided:**
 - Dangerous reactions No dangerous reactions known.
- **Dangerous decomposition products:** Hydrogen chloride (HCl)

11 Toxicological information

- **Acute toxicity:**
 - LD/LC₅₀ values relevant for classification:
- 75-09-2 dichloromethane**
- Oral LD₅₀ 2136 mg/kg (rat)
- Inhalative LC50/4 h 88 mg/l (rat)
- **Primary irritant effect:**
 - on the skin: No irritant effect.
 - on the eye: No irritating effect.
- **Sensitization:** No sensitizing effects known.
- **Additional toxicological information:**

Inhalation of concentrated vapours as well as oral intake will lead to anaesthesia-like conditions and headache, dizziness, etc.

The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:

Carcinogene Cat. 3

12 Ecological information

- **Ecotoxicological effects:**
 - **Aquatic toxicity:**

Type of test	Effective concentration	Method	Assessment
Dichloromethane:			
	Daphnia magna EC50, 48h:	135 - 2.270 mg/l	
- **Additional ecological information:**
 - **General notes:**

Do not allow product to reach ground water, water course or sewage system.

Danger to drinking water if even small quantities leak into the ground.

Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water

13 Disposal considerations

- **Recommendation**

Must be specially treated adhering to official regulations.

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

(Contd. on page 5)

INT

Safety Data Sheet

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Revision: 10.08.2010

Trade name / Article-No: **Primer 836.2**

(Contd. of page 4)

- European waste catalogue
14 06 02* other halogenated solvents and solvent mixtures
- Uncleaned packaging:
- Recommendation:
Empty contaminated packagings thoroughly. They may be recycled after thorough and proper cleaning.

14 Transport information

- DOT-Regulations:
 - Hazard class: 6.1
 - Identification Number: UN1593
 - Packing Group: III
 - Proper Shipping Name (technical name): DICHLOROMETHANE, solution
 - Label: 6.1
- Land transport ADR/RID (cross-border)
 - ADR/RID class: 6.1 Toxic substances.
 - Danger code (Kemler): 60
 - UN-Number: 1593
 - Packaging group: III
 - Hazard label: 6.1
 - Description of goods: 1593 DICHLORMETHAN, Lösung
 - Limited quantities (LQ): LQ7
 - Transport category: 2
 - Tunnel restriction code: E
- Maritime transport IMDG:
 - IMDG Class: 6.1
 - UN Number: 1593
 - Label: 6.1
 - Packaging group: III
 - EMS Number: F-A,S-A
 - Marine pollutant: No
 - Segregation groups: Liquid halogenated hydrocarbons
 - Proper shipping name: DICHLOROMETHANE, solution
- Air transport ICAO-TI and IATA-DGR:
 - ICAO/IATA Class: 6.1
 - UN/ID Number: 1593
 - Label: 6.1
 - Packaging group: III
 - Proper shipping name: DICHLOROMETHANE, solution
- UN "Model Regulation": UN1593, DICHLOROMETHANE, solution, 6.1, III

15 Regulatory information

- Labelling according to EU guidelines:
The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials.
- Code letter and hazard designation of product:
Xn Harmful
- Hazard-determining components of labelling:
dichloromethane
- Risk phrases:
40 Limited evidence of a carcinogenic effect.
- Safety phrases:
2 Keep out of the reach of children.
23 Do not breathe vapour.
24/25 Avoid contact with skin and eyes.

(Contd. on page 6)

INT

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Printing date 10.08.2010

Revision: 10.08.2010

Trade name / Article-No: **Primer 836.2**

(Contd. of page 5)

36/37 Wear suitable protective clothing and gloves.

- **National regulations:**

- **(D) Waterhazard class:** Water hazard class 2 (Self-assessment): hazardous for water.
- **(EU) VOC - Volatile Organic Compounds (Directive 13/1999/EC)**
 - VOC - portion [g/L]: 1105,0 g/l
 - VOC - portion [mass-%]: 85,00 %

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Relevant R-phrases**
 - 40 Limited evidence of a carcinogenic effect.
- **Department issuing MSDS:** Safety & Environment
- **Contact:**
- **Abbreviations and acronyms:**
 - ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
 - RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
 - IMDG: International Maritime Code for Dangerous Goods
 - DOT: US Department of Transportation
 - IATA: International Air Transport Association
 - IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)
 - ICAO: International Civil Aviation Organization
 - ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)
 - GHS: Globally Harmonized System of Classification and Labelling of Chemicals
 - CAS: Chemical Abstracts Service (division of the American Chemical Society)
 - MAL-Code: Måleteknisk Arbejdshygiejnisk Luftbehov (Regulation for the labeling concerning inhalation hazards, Denmark)
 - LC50: Lethal concentration, 50 percent
 - LD50: Lethal dose, 50 percent

INT