

Product: Polyton M410

Print Date: 01.06.2001

Revision on: 31.05.2001

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1 IDENTIFICATION OF SUBSTANCE

- Product details
- Trade name: Polyton M410
- Article number: 1220415
- Manufacturer/Supplier:
DLH-LEDERTECHNIK GmbH
Floridsdorfer Hauptstr. 29
A-1210 Vienna/Austria
Phone: +43-1-278 13 57
Fax: +43-1-278 13 57-9
e-mail: dlh@dlh.at
- Informing department: Product Safety Department

2 COMPOSITION/DATA ON COMPONENTS:

- Chemical characterization
- Description:
polyurethane-dispersion

Dangerous components:

CAS 872-50-4 N-methyl-2-pyrrolidone	0,1 – 1,5%	Xi; R 36/38
CAS 123-42-2 Diacetonalcohole	1 – 1,5%	R36

3 HAZARDS IDENTIFICATION

- Hazard designation: Void
- Information pertaining to particular dangers for man and environment: Void
- Classification system
The classification is in line with current EC lists. It is expanded, however, by information from technical literature and by information furnished by supplier companies.

4 FIRST AID MEASURES

- After inhalation
Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.
- After skin contact
Instantly wash with water and soap and rinse thoroughly.
- After eye contact
Rinse opened eye for several minutes under running water. If symptoms persist, consult doctor.
- After swallowing
In case of persistent symptoms consult doctor.

5 FIRE FIGHTING MEASURES

- Suitable extinguishing agents
CO₂, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.
- Special hazards caused by the material, its products of combustion or flue gases:
Can be released in case of fire: nitrogen oxides (NO_x)
- Protective equipment:
Do not inhale explosion gases or combustion gases.
Wear breathing apparatus.

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6 ACCIDENTAL RELEASE MEASURES

- Person-related safety precautions:
Ensure adequate ventilation
Use breathing protection against the effects of fumes/dust/aerosol.
- Measures for environmental protection:
Do not allow product to reach sewage system or water bodies.
- Measures for cleaning/collecting:
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose of contaminated material as waste according to item 13.
Ensure adequate ventilation.

7 HANDLING AND STORAGE

- Handling
- Information for safe handling: No special measures required.
- Information about protection against explosions and fires:
No special measures required.
- Storage
- Requirements to be met by storerooms and containers:
No special requirements.
- Information about storage in one common storage facility:
Store away from foodstuffs.
- Further information about storage conditions:
Protect from frost.
Protect from heat and direct sunlight.
- Storage class
- Class according to regulation on inflammable liquids: void

8 EXPOSURE CONTROLS AND PERSONAL PROTECTION

- Additional information about design of technical systems:
No further data; see item 7.
- Components with critical values that require monitoring at the workplace:
872-50-4 N-methyl-2-pyrrolidone OEL: 400 mg/m³, 100 ml/m³
- Additional information:
The lists that were valid during the compilation were used as basis.
- Personal protective equipment
- General protective and hygienic measures
The usual precautionary measures should be adhered to in handling the chemicals.
Keep away from foodstuffs, beverages and food.
Wash hands during breaks and at the end of the work.
- Breathing equipment:
Use breathing protection in case of insufficient ventilation.
- Protection of hands: Protective gloves or skin protecting cream.
- Eye protection: Safety glasses recommended during refilling.

9 PHYSICAL AND CHEMICAL PROPERTIES:

- Form: liquid
- Colour: white
- Odour: characteristic
- Change in condition
 - Melting point/Melting range: not determined
 - Boiling point/Boiling range: 100°C
- Flash point: not applicable
- Ignition temperature: not applicable
- Self-inflammability: Product is not self-inflammable.
- Danger of explosion: Product is not explosive.

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- Critical values for explosion:
Lower:
Upper:
- Vapour pressure: at 20°C 20 mbar
- Density: at 20°C 1.04 g/cm³ DIN 51757
- Solubility in / Miscibility with Water: miscible
- pH-value: at 20°C 7 – 8
- Viscosity: at 20°C 50 - 200

10 STABILITY AND REACTIVITY

- Conditions to be avoided:
No decomposition if used according to specifications.
- Dangerous reactions:
With correct storage conditions and appropriate handling: none
- Dangerous products of composition:
In case of fire: nitrogen oxides (NO_x)

11 TOXICOLOGICAL INFORMATION

- Acute toxicity: LD/LC50 values that are relevant for classification:
872-50-4 N-methyl-2-pyrrolidone Oral: LD 50: 3600 mg/kg (rat)
Dermal: LD 50: 8000 mg/kg (rabbit)
- Primary irritant effect:
- on the skin: No irritant effect.
- on the eye: No irritant effect.
- Sensitization: No sensitizing effect known.
- Additional toxicological information:
When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

12 ECOLOGICAL INFORMATION:

- General notes:
Water hazard class 1 (Self-assessment): slightly hazardous for water.

13 DISPOSAL CONSIDERATIONS

- Product:
- Recommendation
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
- Uncleaned packagings:
- Recommendation:
Disposal must be made according to official regulations.

14 TRANSPORT INFORMATION

- Land transport ADR/RID and GGVS/GGVE (cross-border/domestic)
- Maritime transport IMDG/GGVSea:
- Air transport ICAO-TI and IATA-DGR:
- Transport/Additional information:
No dangerous good in accordance to the transport regulations.

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15 REGULATORY INFORMATION

- Classification according to EC-regulations:
The product is not subject to identification regulations under EC Directives.
- National regulations
- Classification according to VbF: void
- Technical instructions on air pollution control (TA-Luft):

<u>Class content in %</u>	
III	4.2
- Water hazard class:
Water hazard class 1 (Self-assessment): slightly hazardous for water.

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.