

MATERIAL SAFETY DATA SHEET

Catalogue N° : 979021 Printing date : 05/06/2007

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

1.1. Identification of the substance or preparation

FJ MC-E PLATE MULTICLEANER 1L

1.2. Use of the substance/preparation

Washing fluid for offset printing machines

1.3. Company/undertaking identification

| | |
|------------------------|-----------------------------|
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1.4. Emergency telephone

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2. HAZARDS IDENTIFICATION

Most important hazards :

- Flammable.
- Irritating to respiratory system.
- May cause sensitization by skin contact.
- Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- Harmful: may cause lung damage if swallowed.
- Repeated exposure may cause skin dryness or cracking.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Components contributing to hazard:

| w/w% | CAS N° | EINECS N° | Chemical Name Symb.R-phrases |
|-------|------------|-----------|---|
| 10-20 | 64742-95-6 | 265-199-0 | SOLVENT NAPHTA Xn N R:10-37-51/53-65-66-67 |
| 5-10 | 95-63-6 | 202-436-9 | 1,2,4-TRIMETHYLBENZENE XnN R:10-20-36/37/38-51/53 |
| 1-5 | 64742-94-5 | 265-198-5 | SOLVENT NAPHTA Xn N R:51/53-65-66-67 |
| 1-5 | 108-67-8 | 203-604-4 | MESITYLENE XiN R:10-37-51/53 |
| 0,1-1 | 98-82-8 | 202-704-5 | CUMENE XnN R:10-37-51/53-65 |
| 0,1-1 | 91-20-3 | 202-049-5 | NAPHTALENE Xn N R:22-40-50/53 |
| <0,01 | 26172-55-4 | 247-500-7 | 5-CHLORO-2-METHYL-2H-ISOTHIAZOL-3-ONE T N R:23/24/25-34-43-50/53 |
| <0,01 | 2682-20-4 | 220-239-6 | 2-METHYL-2H-ISOTHIAZOL-3-ONE T N R:23/25-34-43-50 |

4. FIRST AID MEASURES

Eye contact

Irrigate with flowing water immediately and continuously for 15 minutes.
Consult medical personnel.

Skin contact

Immediately flush with plenty of water for at least 15 minutes while removing contaminated clothing

Ingestion

Do not induce vomiting. Give large amounts of water or milk if available and transport to medical facility.

Inhalation

Remove to fresh air. Consult a physician.

Further information

None

5. FIRE-FIGHTING MEASURES

5.1. Suitable extinguishing media:

Water fog, carbon dioxide, foam, dry chemicals.

5.2. Extinguishing media to avoid:

Water.

5.3. Further information:

Keep containers cool by spraying with water.

6. ACCIDENTAL RELEASE MEASURES

- Wear adequate personal protective equipment, see section 8 (exposure control / personal protection).
- Spills should be contained by and carried with suitable absorbent material and removed from disposal.
- Dispose of according to local and national regulations.
- Prevent from entering into soil, waterways and groundwater.

7. HANDLING AND STORAGE

7.1. Handling

Avoid eye and skin contact. Wash hands and exposed skin before eating, drinking or smoking and after work. Use only in a well ventilated area. Ingestion, exposure to skin and eyes and inhalation of any generated vapours should be avoided. Wear suitable protective clothing, gloves and eye/face protection. Do not consume or store food in the working area.

7.2. Storage

Keep containers tightly closed. Store in a well ventilated, cool, dry area. Take measures to prevent electrostatic charging. Explosible with air in a vaporous/gaseous state.
Storage class : 3A (VCI storage system)

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1. Exposure limit values (INGREDIENTS INFORMATION)

| | |
|---------------------------------------|---|
| SOLVENT NAPHTA | |
| TLV-TWA | = 19 ppm - 100 mg/m ³ (Exxonmobil) |
| 1,2,4-TRIMETHYLBENZENE | |
| TLV-TWA | = 25 ppm - 125 mg/m ³ |
| SOLVENT NAPHTA | |
| MAK (Deutschland, TRGS 900) | = 17 ppm - 100 mg/m ³ |
| MESITYLENE | |
| MAK (Deutschland, TRGS 900) | = 100 mg/m ³ |
| CUMENE | |
| TLV-TWA | = NAV |
| NAPHTALENE | |
| MAK (Deutschland, TRGS 900) | = 10 ppm - 50 mg/m ³ |
| 5-CHLORO-2-METHYL-2H-ISOTHIAZOL-3-ONE | |
| MAK (Deutschland, TRGS 900) | = 0,2 mg/m ³ (Mixture CIT/MIT 3:1) |
| 2-METHYL-2H-ISOTHIAZOL-3-ONE | |
| MAK (Deutschland, TRGS 900) | = 0,2 mg/m ³ (Mixture CIT/MIT 3:1) |

8.2. Exposure controls

Respiratory protection: no respiratory protection needed under normal conditions. Good ventilation should be sufficient.

Hand protection: use chemical resistant gloves. In case of prolonged immersion or frequently repeated contact use gloves made of the material : nitrile rubber.

Eye protection: use chemical safety goggles. Eye wash fountain should be located in immediate work area.

Other: appropriate protective clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

| | |
|----------------------------|---------------------------|
| Appearance | : Liquid |
| Colour | : White |
| Odour | : Typical |
| Flash point °C | : 44 |
| Density (20°C) Kg/L | : 1,04 |
| Solubility in water (25°C) | : Emulsifiable with water |
| pH value (25°C) | : 2,35 |

10. STABILITY AND REACTIVITY

- 10.1. Conditions to avoid
Heating.
The product is stable under normal storage conditions.
- 10.2. Materials to avoid
Keep away from oxidising material(s).
- 10.3. Hazardous decomposition products
Formation of CO₂ and CO fumes is possible.

11. TOXICOLOGICAL INFORMATION

Acute toxicity (INGREDIENTS INFORMATION)

| | | |
|---------------------------------------|---|--------------|
| SOLVENT NAPHTA | | |
| LD50 (Oral Rat) | = | NA |
| SOLVENT NAPHTA | | |
| LD50 (Oral Rat) | = | NA |
| MESITYLENE | | |
| LD50 (Oral Rat) | = | NAV |
| CUMENE | | |
| LD50 (Oral Rat) | = | NAV |
| NAPHTALENE | | |
| LD50 (Oral Rat) | = | NAV |
| 5-CHLORO-2-METHYL-2H-ISOTHIAZOL-3-ONE | | |
| LD50 (Oral Rat) | = | NAV |
| 2-METHYL-2H-ISOTHIAZOL-3-ONE | | |
| LD50 (Oral Rat) | = | 285 mg/kg |
| LD50 (Dermal rabbit) | = | > 2000 mg/kg |

Skin contact

May cause sensitization by skin contact.
Repeated exposure may cause skin dryness or cracking.

Inhalation

Irritating to respiratory system.
Vapours may cause drowsiness and dizziness.

12. ECOLOGICAL INFORMATION

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

12.1. Ecotoxicity (INGREDIENTS INFORMATION)

| | | |
|---------------------------------------|---|----------|
| SOLVENT NAPHTA | | |
| LC50 (Fish, 96 hours) | = | NA |
| SOLVENT NAPHTA | | |
| LC50 (Fish, 96 hours) | = | NA |
| MESITYLENE | | |
| LC50 (Daphnia magna, 24h) | = | 50 mg/l |
| CUMENE | | |
| LC50 (Fish, 96 hours) | = | NAV |
| NAPHTALENE | | |
| LC50 (Fish, 96 hours) | = | NAV |
| 5-CHLORO-2-METHYL-2H-ISOTHIAZOL-3-ONE | | |
| LC50 (Fish, 96 hours) | = | NAV |
| 2-METHYL-2H-ISOTHIAZOL-3-ONE | | |
| LC50 (Fish, 96 hours) | = | NAV |
| LC50 (Daphnia, 48h) | = | 1,6 mg/l |

12.2. Mobility

not known

12.3. Persistence and Degradability

not known

13. DISPOSAL CONSIDERATIONS

Dispose of according to local and national regulations. Containers must be disposed of in accordance with local regulations.

EWC: 07 06 04 Other organic solvents, cleaning agents and mother liquor.

14. TRANSPORT INFORMATION

UN N° : 1268 PSN : PETROLEUM DISTILLATES N.O.S.
(Alkyl C3 benzenes, cymenes)

ADR/RID

Class:3 labels :3 Pack. Group:III
Code :E TREMcard :3.1268D-301 Spec. Prov.:--
Pack. Inst.:P001,IBC03,LP01,R001 Lim. Quant.:LQ7

IMDG

Class:3 Subs. Risk :NA Pack. Group:III
EmS fire:F-E EmS Storage:S-E IBC. Inst. :IBC03
Pack. Inst.:P001,LP01 Lim. Quant.:5L Mar.Poll:N

ICAO/IATA

Class:3 Subs. Risk :NA Pack. Group:III
Passenger and Cargo Aircraft. Pkg Inst:309 Max Net Qty/Pkg:60L
Cargo Aircraft Only . Pkg Inst:310 Max Net Qty/Pkg:220L
Ltd Qty . Pkg Inst:10L Max Net Qty/Pkg:Y309

15. REGULATORY INFORMATION

EU Classification and User Label Information:

Contains : AROMATIC HYDROCARBONS
5-CHLORO-2-METHYL-2H-ISOTHIAZOL-3-ONE
2-METHYL-2H-ISOTHIAZOL-3-ONE

Symbol(s) : Xn N

R(isk) phrase(s) :

R10 : Flammable.
R37 : Irritating to respiratory system.
R43 : May cause sensitization by skin contact.
R51/53 : Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R65 : Harmful: may cause lung damage if swallowed.
R66 : Repeated exposure may cause skin dryness or cracking.
R67 : Vapours may cause drowsiness and dizziness.

S(afety) phrase(s) :

S23 : Do not breathe vapour.
S24 : Avoid contact with skin.
S37 : Wear suitable gloves.
S61 : Avoid release to the environment. Refer to special instructions/Safety data sheets.
S62 : If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

Other information :

Nota P (2001/58/EC) : < 0,1 % Benzene (CAS 71-43-2, EC 200-753-7)
Explosible with air in a vaporous/gaseous state.
WGK: 2
BAG T n° (CH): 621 434
Toxicity class (CH): 4

16. OTHER INFORMATION

The use of the preparation is restricted to professional users|
The above mentioned data correspond to our present state of knowledge and
experience. The safety data sheet serves as description of the products in
regard to necessary safety measures. The indications have not the meaning
of guarantees on properties.

Date of issue: 01.10.2005
Supersedes edition of: 01.04.2004

Nav : Not available NA : Not applicable
RISK PHRASES MENTIONED IN PARAGRAPH 2:
R10 : Flammable.
R20 : Harmful by inhalation.
R22 : Harmful if swallowed.
R23/24/25 : Toxic by inhalation, in contact with skin and if swallowed.
R23/25 : Toxic by inhalation and if swallowed.
R34 : Causes burns.
R36/37/38 : Irritating to eyes, respiratory system and skin.
R37 : Irritating to respiratory system.
R40 : Limited evidence of a carcinogenic effect.
R43 : May cause sensitization by skin contact.
R50 : Very toxic to aquatic organisms.
R50/53 : Very toxic to aquatic organisms, may cause long-term adverse effects in
the aquatic environment.
R51/53 : Toxic to aquatic organisms, may cause long-term adverse effects in the
aquatic environment.
R65 : Harmful: may cause lung damage if swallowed.
R66 : Repeated exposure may cause skin dryness or cracking.
R67 : Vapours may cause drowsiness and dizziness.