24 hour transportation emergency telephone number: Chemtrec 800-424-9300

1. Identification of the product and the company

- 1.1 Commercial name of the product: FOMADON LQN1.2 Identification of the company: FOMA Bohemia L
 - FOMA Bohemia Ltd J.Krušinky 501 04 Hradec Králové (ČZ) Telephone: 495 733 111 Telefax: 495 733 384 Company ID: 62024078 Emergency telephone number: Toxicological information centre Na bojišti 1, 128 08 Prague Telephone: 224 919 293

2. Composition

Aqueous solution of chemicals.

Chemical name	Classification R-phrases	S-phrases	Content in %	CAS-No.	ES No. (EINECS)
Hydroquinone	Carc3,mut3,Xn,N R: 22-40-41-43-50-68	S: 2-26-36/37/39-61	0,1-0,5	123-31-9	204-617-8
Dimesson S 4 hydroxymethyl-4- methyl-1-phenyl-3- pyrazolidone	Xn,N R: 22-43-51/53	S: 22-24-37-60-61	0,1-0,5	013047-13-7	235-920-3
Sodium carbonate	Xi R: 36	S: 2-22-26	1-5	497-19-8	207-838-8

3. Hazards identification

The most important effects to human health when using:

. they are not known

4. First aid measures

- General measures:
- 4.1 Inhalation: In case of inhalation, move the involved person to fresh air. If necessary, seek medical advice.
- 4.2 Skin contact: Take off the contaminated clothing, wash off thoroughly the involved spots with plenty of water. If necessary, seek medical advice.
- 4.3 Eye contact: Rinse thoroughly with plenty of water for at least 15 minutes, if necessary, seek medical advice.
- 4.4 Ingestion: If conscious, drink plenty of water. Do not ever give a drink to an unconscious person. Seek medical advice.

5. Fire-fighting measures

Suitable extinguishers: water – dry chemicals – CO₂ Special risk: The product in itself is not flammable. In case of fire, sulfur dioxide can arise. After extinguishment measure with appropriate equipment.

6. Accidental release measures

6.1 Personal precautions: Avoid skin and eye contact. Use personal protective equipment (eye and skin protection)

- 6.2 Environmental precautions: Avoid release to surface and ground water and drainage.
- 6.3 Recommended methods for clearing up and disposal: Let the concentrate soak into proper absorption medium, dispose through entitled firm.

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7. Handling and storage

7.1 Handling advice: Use proper means not to damage packaging. Avoid close contact with this chemical. Make the operation solution according to instruction.

7.2 Storage: Store in dry, cool, well ventilated room in original packaging, away from food.

7.3 Further information: Packing material: PE bottle

8. Exposure control and personal protection

8.1 Technical measures:

8.2 Control parameters: Hydroquinone $TLW(TWA) = 2 \text{ mg/m}^3 \text{ ACGIH}(1994-1995)$

8.3 Personal protective equipment:

Respiratory system protection: not required

Eye protection: safe glass or protective glasses

Hand protection: rubber or plastic gloves

Skin protection: proper working suit

8.4 Further information: Keep away from food and drink. When using, do not smoke. Avoid close contact with skin. Wash hands before break and at the end of workshift.

9. Physical and chemical properties

Form: Colour: Odour: pH value (at 20 °C): Boiling point (°C): Ignition point (°C): Ignition point (°C): Flammability: Self-ignition: Explosion limits – upper limit: (Vol. %): lower limit: (Vol. %): Oxidation properties: Vapour tension: Density (at 20 °C): Solubility: liquid yellowish not particular 9,7 - 10,0 > 100 < 0 °C non-flammable no no no less than 20 mbar 1,145 - 1,155 g/cm³ unlimited water solubility

10. Stability and reactivity

Stability conditions: the product is stable under common conditions Substances and materials to avoid: Hazardous products of decomposition: under common conditions no, by contact with acids sulfur dioxide is released

<u>11. Toxicological information</u>

Hydroquinone (1,4-dihydoxybenzene): Easy absorption through skin, harmful if swallowed. LD ₅₀/ingestion/test rat: 320 mg/kg RTECS, 41010 LD ₅₀/skin/test rat: > 900 mg/kg 4-hydroxymethyl-4-methyl-1-phenyl-3-pyrazolidone (Dimesson S): LD₅₀/ingestion/test rat = 565 mg/kg

4-hydroxymethyl-4-methyl-1-phenyl-3-pyrazolidone (Dimesson S): LD₅₀/ingestion/test rat = 565 mg/kg Irritating to eyes and skin. Irritating to respiratory system by contact with acid. May cause sensitisation by long term interference.

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12. Ecological information

Ecotoxicity:

Hydroquinone (1,4-dihydroxybenzene):

EC₅₀ (daphnia)/24 h: 0,11 mg/l EC₅₀ (algae)/72 h: 0,335 mg/l LC(daphnia)/24 h: 0,09 mg/l LC₅₀(fish)/96 h: 0,1 – 0,18 mg/l

Dimesson S (4-hydroxymethyl-4-methyl-1-phenyl-3-pyrazolidone): EC₅₀ /24 h/daphnia = 8,6 mg/l

BOD 5 = 143 mg/kg

Effect to the environment: The product has not been yet tested in practice that way. But toxicological information about its components is available. The product is middle alkaline. Organic substances present are supposed to be removable in biological way.

13. Disposal information

Remains of the concentrate dispose in a safe manner in accordance with local regulations. The packaging without chemicals (rinsed) can be recycled.

14. Transport information

The product is subject no regulations concerning transport.

15. Regulatory information

Classification:

Symbol of danger:

the product is not classified as dangerous

16. Further information

Use: Concentrate of negative developer for processing of black and white films Packing: 250 ml PE bottle in packing 36 x 250 ml