

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 LQN**
1.2 Identification of the company: 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.

The product contains these substances:

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.

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 mg/m³ 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:	liquid
Colour:	yellowish
Odour:	not particular
pH value (at 20 °C):	9,7 – 10,0
Boiling point (°C):	> 100
Melting point (°C):	< 0 °C
Ignition point (°C):	-
Flammability:	non-flammable
Self-ignition:	-
Explosion limits – upper limit: (Vol. %):	no
lower limit: (Vol. %):	no
Oxidation properties:	no
Vapour tension:	less than 20 mbar
Density (at 20 °C):	1,145 - 1,155 g/cm ³
Solubility:	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

11. Toxicological information

- Hydroquinone (1,4-dihydroxybenzene)*: Easy absorption through skin, harmful if swallowed.
LD₅₀/ingestion/test rat: 320 mg/kg RTECS, 41010
LD₅₀/skin/test rat: > 900 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.

