

1. Chemical product and company identification

1.1 Trade name of the preparation **FOMADON LQR**

1.2. Company identification: FOMA Bohemia spol. s r.o.

J.Krušinky

501 04 Hradec Králové (CR)

Phone: 495 733 111

Fax: 495 733 384

Id. No.: 62024078

Emergency phone No.: Toxikologické informační středisko (Information Centre of Toxicology)

Na bojišti 1, 128 08 Praha

Phone: 224 919 293

2. Composition, information on ingredients

Aqueous solution of chemicals

The product contains following hazardous 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 | 0.1-1 | 123-31-9 | 204-617-8 |
| Fenidon B 4-methyl-1-phenyl-3- pyrazolidone | Xn, N R: 22-43-51/53 | S: 22-24-37-60-61 | 0.01-0.05 | 002654-57-1 | 220-180-6 |
| Sodium carbonate | Xi R: 36 | S: 2-22-26 | 5-10 | 497-19-8 | 207-838-8 |

3. Hazard identification

Major hazards to human health:

- . irritating to eyes

4. First aid measures

General:

- 4.1 Inhalation: Take the affected person to the fresh air. In case of any problems seek medical advice.
- 4.2 Contact with skin: Take off the contaminated clothing, rinse the affected spots with plenty of water. In case of any problems seek medical advice.
- 4.3 Contact with eyes: Wash with plenty of running water for at least 15 minutes; if any problems occur, seek medical advice.
- 4.4 Ingestion: If conscious, give a lot of water to drink. Never give anything to drink to an unconscious person. Seek medical advice.

5. Fire fighting measures

Suitable extinguishing media: water – dry chemical – CO₂

Special hazards: The product itself is not flammable. Sulphur dioxide may be liberated during the fire. After the fire is put out, measure the concentration with appropriate device.

6. Accidental release measures

- 6.1 Personal precautions: Avoid contact with skin and eyes. Wear personal protective equipment (protection of eyes and skin).
- 6.2 Environmental precautions: Avoid penetration into surface and underground waters and drainage.
- 6.3 Recommended methods for cleaning up and disposal: Soak up the concentrate into suitable absorbent, dispose through an authorized organization.

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

7. Handling and storage

- 7.1 Handling: Use such handling means so that not to damage the containers. Avoid direct contact with the chemical. Prepare the working solution according to the instructions.
- 7.2 Storage: Store in dry, cold, well ventilated places in original containers separately from foodstuff.
- 7.3. Other information: Packaging material: PE bottle

8. Exposure controls, personal protection

- 8.1. Technical precautions:
- 8.2. Control parameters: hydroquinone TLW(TWA) = 2 mg/m³ ACGIH(1994-95)
- 8.3 Personal protective means:
- Respiratory protection: not required
- Eye protection: safety glasses or goggles
- Hand protection: rubber or plastic gloves
- Skin protection: suitable work clothing
- 8.4. Other information: Keep away from food and drink. Do not smoke at work. Avoid direct contact with skin. Wash hands before break and at the end of shift.

9. Physical and chemical properties

| | |
|--|-------------------------------|
| Product form: | liquid |
| Colour: | yellowish |
| Smell: | non-specific |
| pH value (at 20°C): | 10.2-10.6 |
| Boiling point (°C): | > 100 |
| Solidification point (°C): | < 0°C |
| Inflammation point (°C): | - |
| Inflammability: | non-flammable |
| Autoignition: | - |
| Explosion limits – upper limit: (% by vol.): | none |
| lower limit: (% by vol.): | none |
| Oxidizing properties: | none |
| Vapour pressure: | less than 20 mbar |
| Density (at 20°C): | 1.145-1.155 g/cm ³ |
| Solubility: | freely miscible with water |

10. Stability and reactivity

- Conditions of chemical stability: stable under normal conditions.
- Chemicals and materials to avoid:
- Hazardous decomposition products: none under normal conditions; contact with acids liberates sulphur dioxide.

11. Toxicological information

hydroquinone (1,4-dihydroxybenzene): Easily absorbed through skin, harmful if swallowed
LD₅₀/ingestion/rat: 320 mg/kg RTECS, 41010
LD₅₀/dermally/rat : > 900 mg/kg

Irritating effect in contact with eyes and skin. Irritating for respiratory organs in contact with acid.
Possible sensitization after long-term exposure.

12. Ecological information

hydroquinone (1,4-dihydroxybenzene):

| | |
|--------------|--|
| Ecotoxicity: | EC ₅₀ (daphnia)/24hours: 0.11 mg/l |
| | EC ₅₀ (algae)/72hours: 0.335 mg/l |
| | LC(daphnia)/24hours: 0.09 mg/l |
| | LC ₅₀ (fish)/96hours: 0.1 – 0.18 mg/l |

Environmental impact: The product was not practically tested in this way. However, the toxicological data on ingredients are available. It is a medium alkaline product. The present organic chemicals are regarded as biodegradable.

13. Disposal considerations

Remains of the concentrate dispose in a safe manner in accordance with local regulations.
Decontaminated container (rinsed) may be reused.

14. Transport information

The preparation is not subject to transport regulations.

15. Regulatory information

Classification:

Hazard symbol:

R-Phrase:

S-Phrase:

Xi - irritating

36 - Irritating to eyes

2 - Keep out of reach of children

25 - Avoid contact with eyes.

46 - If swallowed, seek medical advice immediately and show this container or label.

16. Other information

Application: Concentrate of negative developer for processing of black-and-white films

Packing: 250-ml PE bottle in package 36 x 250 ml