

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: **FOMATOL – PW, (W 24)**
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

The product (small and great part) contains these substances:

Chemical name	Classification R-phrases	S-phrases	Content in %	CAS-No.	ES No. (EINECS)
Sodium carbonate	Xi R: 36	S: 2-22-26	20-50	497-19-8	207-838-8

The greater part contains these dangerous substances: Sodium carbonate
Content in (%): 45 – 50

3. Hazards identification

The most important effects to human health when using:
- irritating to eyes

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. 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. Induce vomiting. 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: Gather up mechanically to appropriate containers, 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: tapaten bags, paper box

8. Exposure control and personal protection

- 8.1 Technical measures:
- 8.2 Control parameters: *Sodium carbonate* MAK (Germany) = 6 mg/m³
- 8.3 Personal protective equipment:
- | | |
|--------------------------------|---------------------|
| Respiratory system protection: | not required |
| Eye protection: | not required |
| Hand protection: | not required |
| Skin protection: | proper working suit |
- 8.4 Further information: Keep away from food and drink. When using, do not smoke. Wash hands before break and at the end of workshift.

9. Physical and chemical properties

Form:	loose powder
Colour:	white till yellowish
Odour:	not particular
pH value of 7% water solution (at 20 °C):	10,8
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):	-
Water solubility:	c. 200 g/l

10. Stability and reactivity

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

11. Toxicological information

- Sodium carbonate*: LD₅₀/ingestion/test rat: > 2000 mg/kg
LD₅₀/inhalation/2 h/test rat: 2,3 mg/l
- Irritating to eyes and skin. Irritating to respiratory system by contact with acid.

12. Ecological information

- Sodium carbonate*: Acute ecotoxicity: EC₅₀(daphnia)/48 h: 265 mg/l
EC₅₀(algae)/5 days: 242 mg/l

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.

Empty paper container can be recycled.

Tapaten container without chemicals (rinsed) can be recycled.

14. Transport information

Transport road/railway

The product is subject no regulations concerning transport.

15. Regulatory information

Classification:

Symbol of danger:

Xi - irritant

R phrase:

36 – irritating to eyes

S phrase:

2 – keep out of reach of children

22 – do not breathe dust

26 - in case of contact with eyes, rinse immediately with plenty of water and seek medical advice

46 –if swallowed, seek medical advice immediately and show the container

16. Further information

Use: Two-piece powder positive developer for processing of black and white photopapers

Packing: **FOMATOL PW, W 24 for 1 l**

78 g = 24 g of the small part + 54 g of the great part (for 1 l of developer working solution)
group packing 30 x 78 g