

1. Product Identification.

Trade name: Jetster
Material: Caustic soda (Pearls/ Flakes).
Other name: Sodium hydroxide (Pearls/ Flakes).

2. Composition/ Information on Ingredients.

Chemical formula: NaOH
Hazard symbol: C
R phrases: 35

3. Hazards Identification.

Causes severe burns.

4. First Aid Measures.

General information: Remove soiled or soaked clothing immediately.

Water contact: In case of contact with skin wash off immediately with plenty of water.

Eye contact: In case of contact with eyes rinse thoroughly with plenty of water with the eyelids held open. Seek medical advice.

Ingestion: If the product is swallowed make patient swallow plenty of water/ milk as immediately. Do not induce vomiting. Medical treatment is required soon as possible.

5. Fire Fighting Measures.

Extinguishing media: No restrictions in fire situations.

6. Accidental Release Measures.

Take up, avoiding formation of dust.

7. Handling & Storage.

Keep container tightly closed and dry. Handle and open container with care. Never add water to this product. No special measures required.



8. Exposure Controls/ Personal Protection.

Personal protection:	Eye protection:	Wear eye/ face protection.
	Hand protection:	Wear rubber gloves.
	Respiratory protection:	Dust - protection mask if there is a risk of dust formation.
	Other:	Avoid contact with skin and eyes.

9. Physical and Chemical Properties.

(a) Form:	Solid.
(b) Colour:	White.
(c) Odour:	Odourless.
(d) Melting Point:	319 ⁰ C
(e) Boiling Point:	1390 ⁰ C at 1013 mbar.
(f) Bulk Density:	2.13 g/m ³ at 20 ⁰ C .
(g) Solubility in Water:	1260 g/l at 20 ⁰ C 3410 g/l at 100 ⁰ C
(h) pH value:	>14 at 100 g/l H ₂ O at 20 ⁰ C.

10. Stability & Reactivity.

Thermal decomposition:	Not applicable.
Hazardous decomposition products:	No hazardous decomposition.
Hazardous reactions:	Reacts violently with water, acids and ignoble metals as aluminium, magnesium, zinc (H ₂ -development).
Further information:	Hygroscopic.

11. Toxicological Information.

The product has a strong caustic effect on skin, eyes and mucous membranes. Vapours and mists cause irritation/ burns to eyes and the respiratory tract. Contact with eyes can lead to blindness.

12. Ecological Information.

Acute fish toxicity: LC₅₀ 189 mg/l (L. Roth; Water-pollution Substances).

Toxic effect on fish, plankton and on sedimentary organisms, also through shifting of pH value. Causes no biological oxygen consumption.



Behaviour in waste-water treatment plants: No inhibition of activity of waste water bacteria after neutralisation.

Water pollution class (WGK): 1 - slightly hazardous to water.
WGK: Classification in accordance with the German Water Resource Act.

13. Disposal Considerations.

Must be given special treatment on consultation with the manufacturer.

14. Transport Information.

Road Transport:

ADR Class: 8 Packing Group II
Product characteristic: 1759, Corrosive solid, n.o.s.
Hazard no.: 80
Substance no.: 1823
RID Class: 8 No. 41 B
Product characteristic: 1759, Corrosive solid, n.o.s.
Hazard no.: 80
Substance no.: 1823

Sea Transport:

GGVSee/ IMDG Code: 8
UN No: 1759,
EmS: 8 - 06
MFAG: 705
PG: 11.
Correct technical name: Sodium Hydroxide, Solid.

Air Transport:

ICAO / IATA - DGR: 1759, Corrosive solid, n.o.s.
Correct technical name: Sodium Hydroxide, Solid.

Other Information:

Corrosive. Harmful. Keep dry. Keep separated from foodstuffs.

15. Regulatory Information.

Labelling in accordance with Annex 1 of directive 67/548/EEC and its amendments and adaptations:

Hazard symbols: C : Corrosive.

R phrases: R35: Causes severe burns.



S phrases:	S 26:	In case of contact with eyes, rinse immediately with plenty water and seek medical advice.
	S 37/39:	Wear suitable gloves and eye/ face protection.
	S 45:	In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

Sodium hydroxide (caustic soda) MAK value: 2 mg/m³ (Peak Limitation Category 1).

16. Other Information.

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