



Material Safety Data Sheet (MSDS)

1: PRODUCT INFORMATION

Product Name: High Foam Alkaline Detergent

Trade Name: Maxpet®

Chemical Family: Alkaline Compounds

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Company Name: Pishgam Bahar Shimi Golestan

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2: PRODUCT APPLICATIONS

- Cleaning external surfaces of machinery and equipment in the food industry.
- Cleaning and decontaminating production lines, filling machines, and COP systems in the food industry.
- Daily cleaning of floors, walls, worktables, conveyors, and equipment in industries.

3: COMPOSITION

Active Ingredients:

Ingredients	Percentage	CAS No	R-Phrase
Sodium Hydroxide	20-30%	1310-73-2	R35
Anionic and Nonionic Surfactants	2-10%		
Other Ingredients	water		

4: HAZARD IDENTIFICATION



- This product is classified as an alkaline compound and can cause burns on contact with eyes, skin, and mucous membranes.
- Not flammable, but exposure to fire may release toxic gases.
- Inhalation of vapors can irritate respiratory passages.
- Always add the product to water, not vice versa, during dilution.

5: FIRST AID MEASURES

- **Eye Contact:** Rinse eyes thoroughly with plenty of water for 15 minutes. Remove contact lenses before rinsing.
- **Ingestion:** Do not induce vomiting. Rinse the mouth if the person is conscious and seek medical attention immediately.
- **Skin Contact:** Remove contaminated clothing and rinse the affected area with plenty of water.
- **Inhalation:** Move the person to fresh air. If breathing difficulties persist, use artificial respiration and seek medical help.

6: FIREFIGHTING MEASURES

Flammability: Non-flammable.

Suitable Extinguishing Media: Use CO₂, water spray, alcohol-resistant foam, or dry chemical powders. Avoid high-pressure water jets.

Protective Equipment: Wear fireproof clothing, gloves, helmets, and breathing apparatus during firefighting.

7: HANDLING, STORAGE, AND TRANSPORT

- Ensure containers are intact and sealed properly during transport.
- Avoid eating or smoking during handling.
- Store in glass, HDPE, or PP containers. Avoid metal containers.

8: PHYSICAL AND CHEMICAL PROPERTIES

- **Appearance:** Clear yellowish liquid
- **Odor:** Odorless
- **Solubility in Water:** Fully soluble
- **pH (1% Solution):** 12



- **Flammability:** Non-flammable

9: STABILITY AND REACTIVITY

- Stable under normal conditions.
- Reacts with acids and chlorinated compounds, releasing toxic gases.

10: DISPOSAL CONSIDERATIONS

- Dilute small amounts with water before disposing into drains.
- Contact legal authorities for disposing large quantities.

11: TOXICOLOGICAL INFORMATION

- Sodium Hydroxide:

LD50 (Mouse): 40 mg/kg (intraperitoneal);

LD50 (Rabbit): 500 mg/kg (oral)

12: ENVIRONMENTAL INFORMATION

- Highly alkaline, affects pH levels of water and soil, impacting aquatic and soil ecosystems.