

Material Safety Data Sheet



APEX PRESOAK

Section 1. Chemical product and company identification

Trade name : APEX PRESOAK
Product use : Presoak
Supplier : Ecolab Inc. Institutional Division
370 N. Wabasha Street
St. Paul, MN 55102
1-800-352-5326
Code : 911911-01
Date of issue : 06-June-2007

EMERGENCY HEALTH INFORMATION: 1-800-328-0026
Outside United States and Canada CALL 1-651-222-5352 (in USA)

Section 2. Composition, information on ingredients

| <u>Name</u> | <u>CAS number</u> | <u>% by weight</u> |
|--------------------------------------|-------------------|--------------------|
| triphosphoric acid, pentasodium salt | 7758-29-4 | 25 |
| carbonic acid, sodium salt (2:3) | 533-96-0 | 20 - 50 |
| sodium carbonate | 497-19-8 | 20 - 50 |
| alcohols, c12-16, ethoxylated | 68551-12-2 | 1 - 5 |

Section 3. Hazards identification

Physical state : Solid. [Extruded solid.]
Emergency overview : CAUTION!

MAY CAUSE EYE IRRITATION.
Repeated or prolonged contact with irritants may cause dermatitis.
Avoid contact with eyes. Wash thoroughly after handling.

Potential acute health effects

Eyes : Moderately irritating to eyes.
Skin : Slightly irritating to the skin.
Inhalation : No known significant effects or critical hazards.
Ingestion : No known significant effects or critical hazards.

See toxicological information (section 11)

Section 4. First aid measures

Eye contact : In case of contact, immediately flush eyes with cool running water. Remove contact lenses and continue flushing with plenty of water for at least 15 minutes. Get medical attention if irritation persists.
Skin contact : After handling, always wash hands thoroughly with soap and water. Wash clothing before reuse.
Inhalation : If inhaled, remove to fresh air.
Ingestion : Do not induce vomiting. Never give anything by mouth to an unconscious person. If irritation persists, get medical attention.

Section 5. Fire fighting measures

- Flash point** : > 100°C
Product does not support combustion.
- Fire-fighting media and instructions** : Use an extinguishing agent suitable for the surrounding fire.
Dike liquid for later disposal.
No specific hazard.
- Special protective equipment for fire-fighters** : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Section 6. Accidental release measures

- Personal precautions** : Ventilate area of leak or spill. Do not touch damaged containers or spilled material unless wearing appropriate protective equipment (Section 8).
- Environmental precautions** : Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
- Methods for cleaning up** : If emergency personnel are unavailable, vacuum or carefully scoop up spilled material and place in an appropriate container for disposal by incineration. Avoid creating dusty conditions and prevent wind dispersal.

Section 7. Handling and storage

- Handling** : Avoid contact with eyes. Wash thoroughly after handling.
- Storage** : Keep out of the reach of children. Store in a cool, dry, well-ventilated place.
Store between the following temperatures: -10 and 50°C

Section 8. Exposure controls, personal protection

- Engineering measures** : No special ventilation requirements. Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

Personal protection :

- Eyes** : Due to the form and packaging of the product, no protective equipment is needed under normal use conditions.
- Hands** : Due to the form and packaging of the product, no protective equipment is needed under normal use conditions.
- Skin** : Due to the form and packaging of the product, no protective equipment is needed under normal use conditions.
- Respiratory** : A respirator is not needed under normal and intended conditions of product use.

Consult local authorities for acceptable exposure limits.

Section 9. Physical and chemical properties

- Physical state** : Solid. [Extruded solid.]
- Color** : Blue.
- Odor** : citrus
- pH** : 10.5 [Conc. (% w/w): 1%]
- Solubility** : Soluble in hot water.
Partially soluble in cold water.

Section 10. Stability and reactivity

- Stability** : The product is stable.
- Reactivity** : Slightly reactive to reactive with acids.

Section 11. Toxicological information

Potential acute health effects

- Eyes** : Moderately irritating to eyes.
Skin : Slightly irritating to the skin.
Inhalation : No known significant effects or critical hazards.
Ingestion : No known significant effects or critical hazards.

Section 12. Ecological information

Section 13. Disposal considerations

Waste disposal : The generation of waste should be avoided or minimized wherever possible. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.

Consult your local or regional authorities.

Section 14. Transport information

| Regulatory information | UN number | Proper shipping name | Class | Packing group | Additional information |
|------------------------|----------------|----------------------|-------|---------------|------------------------|
| DOT Classification | Not regulated. | - | - | - | Not available. |

APPLIES ONLY DURING ROAD TRANSPORT

Any variation of the shipping description based on the packaging is not addressed.

Section 15. Regulatory information

- HCS Classification** : Irritating material
U.S. Federal regulations : SARA 302/304/311/312 extremely hazardous substances: No products were found.
 SARA 302/304 emergency planning and notification: No products were found.
TSCA 8(b) inventory : All materials are listed or exempt.
California Prop. 65 : No products were found.

Section 16. Other information

| | | |
|--|------------------|---|
| Hazardous Material Information System (U.S.A.) : | Health | 1 |
| | Flammability | 0 |
| | Physical hazards | 0 |
| | | |

- Date of issue** : 06-June-2007.
Responsible name : Regulatory Affairs
Date of previous issue : 25-May-2007.

Notice to reader

The above information is believed to be correct with respect to the formula used to manufacture the product in the country of origin. As data, standards, and regulations change, and conditions of use and handling are beyond our control, NO WARRANTY, EXPRESS OR IMPLIED, IS MADE AS TO THE COMPLETENESS OR CONTINUING ACCURACY OF THIS INFORMATION.