

Material Safety Data Sheet



EXEC 120 SOUR

Section 1. Chemical product and company identification

Trade name : EXEC 120 SOUR
Product use : Laundry product
Supplier : Ecolab Inc. Textile Care Division
370 N. Wabasha Street
St. Paul, MN 55102
1-800-553-8683
Code : 905372-03
Date of issue : 31-March-2005

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>
sodium phosphate, dibasic	7558-79-4	23
sodium acid phosphate	7758-80-7	20 - 50
Alkali fluorosilicates (Na)	16893-85-9	5 - 20

Section 3. Hazards identification

Physical state : Solid. (Powder.)
Emergency overview : Danger!

CAUSES EYE AND SKIN BURNS.
HARMFUL IF SWALLOWED. Chronic low level exposure may result in mottling of teeth, joint stiffness, and weakening of bones (osteosclerosis).
CAUSES RESPIRATORY TRACT IRRITATION.
Do not ingest. Do not get in eyes, on skin or clothing. Avoid breathing dust. Keep container closed. Use only with adequate ventilation. Wash thoroughly after handling.

Potential acute health effects

Eyes : Corrosive to eyes.
Skin : Corrosive to the skin.
Inhalation : Irritating to respiratory system.
Ingestion : Harmful if swallowed. May cause burns to mouth, throat and stomach.
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 immediately.

Skin contact : In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Apply calcium gluconate gel, if available, or milk of magnesia to affected area. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention immediately.

Inhalation : If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Ingestion : If ingested, wash out mouth with water, drink milk or egg white; call a physician. Do NOT induce vomiting unless directed to do so by medical personnel. If available, take several calcium antacid tablets (eg Tums) or several tablespoons of milk of magnesia. Never give anything by mouth to an unconscious person. Get medical attention immediately.

Section 5. Fire fighting measures

- Flash point** : > 100°C
Product does not support combustion.
- Products of combustion** : These products are halogenated compounds, hydrogen fluoride.
- Fire fighting media and instructions** : Use an extinguishing agent suitable for surrounding fires.
Dike area of fire to prevent product run-off.
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 facepiece 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). Stop leak if without risk. Prevent entry into sewers, water courses, basements or confined areas.
- Environmental precautions** : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.
- Methods for cleaning up** : If emergency personnel are unavailable vacuum or carefully scoop up spilled materials and place in an appropriate container for disposal. Avoid creating dusty conditions and prevent wind dispersal.

Section 7. Handling and storage

- Handling** : Do not ingest. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling.
- Storage** : Keep out of the reach of children. Keep container tightly closed. Keep container in a cool, well-ventilated area.
Do not store above 50°C

Section 8. Exposure Controls, Personal Protection

- Engineering controls** : Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit. Provide a readily accessible eyewash facility and quick drench safety shower.
- Personal protection**
- Eyes** : Use chemical splash goggles. For continued or severe exposure wear a face shield over the goggles.
- Hands** : Use chemical resistant, impervious gloves.
- Skin** : Use synthetic apron, other protective equipment as necessary to prevent skin contact.
- Respiratory** : Avoid breathing dust.

Name

Alkali fluorosilicates (Na)

Exposure limits

ACGIH TLV (United States, 9/2004). Notes: Identifies substances identified in the BEI documentation for Methemoglobin inducers (for which methemoglobin is the principle toxicity) and organophosphorous cholinesterase inhibitors are part of this notation.

TWA: 2.5 mg/m³ 8 hour(s). Form: All forms

OSHA PEL (United States, 6/1993).

TWA: 2.5 mg/m³ 8 hour(s). Form: All forms

Section 9. Physical and chemical properties

- Physical state** : Solid. (Powder.)
- Color** : Purple.
- Odor** : Odorless.
- pH** : 5.2 (1%)
- Boiling/condensation point** : >100 °C
- Dispersion properties** : Partially dispersed in cold water, hot water.
- Solubility** : Partially soluble in cold water, hot water.

Section 10. Stability and reactivity

- Stability** : The product is stable.
- Reactivity** : Highly reactive with alkalis.
Reactive with metals, acids.
- Hazardous decomposition products** : These products are halogenated compounds, hydrogen fluoride.

Section 11. Toxicological information

Potential acute health effects

- Eyes** : Corrosive to eyes.
- Skin** : Corrosive to the skin.
- Inhalation** : Irritating to respiratory system.
- Ingestion** : Harmful if swallowed. May cause burns to mouth, throat and stomach.
- Chronic effects on humans** : Contains material which causes damage to the following organs: mucous membranes, skin, eyes.

Section 12. Ecological information

- Products of degradation** : These products are sulfur oxides (SO₂, SO₃...), halogenated compounds, phosphates. Some metallic oxides.

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	UN2674	Sodium fluorosilicate	6.1	III	<p>Limited quantity Yes.</p> <p>Packaging instruction Passenger Aircraft Quantity limitation: 100 kg</p> <p>Cargo Aircraft Quantity limitation: 200 kg</p> <p>Special provisions IB8, IP3</p>

APPLIES ONLY DURING ROAD TRANSPORT

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

Section 15. Regulatory information

HCS Classification : Toxic material
Corrosive material
Target organ effects

U.S. Federal regulations : SARA 302/304/311/312 extremely hazardous substances: None.
SARA 302/304 emergency planning and notification: None.

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	*	3
Fire hazard		0
Reactivity		0
Personal protection		D

Date of issue : 31-March-2005.

Responsible name : Regulatory Affairs

Date of previous issue : No Previous Validation.

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.