

Material Safety Data Sheet

EXEC 120



1. Product and company identification

Trade name of product : EXEC 120
Product use : Laundry detergent

Product dilution information : Up to 20 wt. oz/50 gal in water

Supplier's information : Ecolab Inc. Institutional Division
370 N. Wabasha Street
St. Paul, MN 55102
1-800-352-5326

Code : 901414-05

Date of issue : 22-November-2010

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

2. Hazards identification

Product AS SOLD
Physical state : Powder.
Emergency overview : DANGER !

CAUSES DIGESTIVE TRACT, EYE AND SKIN BURNS.
CAUSES RESPIRATORY TRACT IRRITATION.

Do not ingest. Do not get in eyes, on skin or on clothing. Avoid breathing dust. Keep container closed. Use only with adequate ventilation. Wash thoroughly after handling.

Potential acute health effects

Product AS SOLD
Eyes : Corrosive to eyes.
Skin : Corrosive to the skin.
Inhalation : Severely irritating to the respiratory system.
Ingestion : Causes burns to mouth, throat and stomach.

See toxicological information (section 11)

Product AT USE DILUTION

Liquid.
CAUTION !

No specific hazard.

No specific hazard.

Product AT USE DILUTION

No known significant effects or critical hazards.
No known significant effects or critical hazards.
No known significant effects or critical hazards.
No known significant effects or critical hazards.

3. Composition/information on ingredients

Product AS SOLD

| <u>Name</u> | <u>CAS number</u> | <u>% by weight</u> |
|-------------------------------|-------------------|--------------------|
| SODIUM CARBONATE | 497-19-8 | 20 - 50 |
| alcohols, c12-16, ethoxylated | 68551-12-2 | 5 - 20 |
| sodium perborate, monohydrate | 10332-33-9 | 1 - 5 |
| SODIUM METASILICATE | 6834-92-0 | 1 - 5 |

Product AT USE DILUTION

3. Composition/information on ingredients

Within the present knowledge of the supplier, this product does not contain any hazardous ingredients in quantities requiring reporting, in accordance with local regulations.

4. First aid measures

| | Product AS SOLD | Product AT USE DILUTION |
|---------------------|---|---|
| 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. | No known effect after eye contact. Rinse with water for a few minutes. |
| Skin contact | : In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention immediately. Wash clothing before reuse. Clean shoes thoroughly before reuse. | No known effect after skin contact. Rinse with water for a few minutes. |
| Inhalation | : If inhaled, remove to fresh air. If exposed person is not breathing, give artificial respiration or oxygen applied by trained personnel. Get medical attention. | No special measures required. Treat symptomatically. |
| Ingestion | : If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention immediately. | Get medical attention if symptoms occur. |

5. Fire-fighting measures

Product AS SOLD

Hazardous thermal decomposition products

: Decomposition products may include the following materials:
 carbon dioxide
 carbon monoxide
 nitrogen oxides
 metal oxide/oxides

Fire-fighting media and instructions

: Use dry chemical powder.

Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool. Dike area of fire to prevent runoff. Fine dust clouds may form explosive mixtures with air.

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.

6. Accidental release measures

| | Product AS SOLD | Product AT USE DILUTION |
|----------------------------------|--|--|
| Personal precautions | : Initiate company's spill response procedures immediately. Keep people out of area. Put on appropriate personal protective equipment (see section 8). Do not touch or walk through spilled material. | Use personal protective equipment as required. |
| Environmental precautions | : Avoid contact of spilled material and runoff with soil and surface waterways. | Avoid contact of large amounts of spilled material and runoff with soil and surface waterways. |
| Methods for cleaning up | : If emergency personnel are not present, contain and collect small spillages with non-combustible absorbent material, e.g. sand, earth or other suitable material and place in a suitable container for disposal. Use a water rinse for final clean-up. | Use a water rinse for final clean-up. |

7. Handling and storage

| | | |
|-----------------|---|---------------------------------|
| Handling | Product AS SOLD | Product AT USE DILUTION |
| | : Do not ingest. Do not get in eyes, on skin, or on clothing. Do not breathe dust. Keep container closed. Use only with adequate ventilation. Wash thoroughly after handling. | Wash thoroughly after handling. |
| Storage | Product AS SOLD | Product AT USE DILUTION |
| | : Keep out of reach of children. Store in a closed container. Keep container tightly closed. Store between the following temperatures: 0 and 40°C | Keep out of reach of children. |

8. Exposure controls/personal protection

| | | |
|-----------------------------|--|--|
| Engineering measures | Product AS SOLD | Product AT USE DILUTION |
| | : Use only with adequate ventilation. If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. Provide suitable facilities for quick drenching or flushing of the eyes and body in case of contact or splash hazard. | Good general ventilation should be sufficient to control worker exposure to airborne contaminants. |
| Personal protection | | |
| Eyes | : Use chemical splash goggles. For continued or severe exposure wear a face shield over the goggles. | No protective equipment is needed under normal use conditions. |
| Hands | : Use chemical-resistant, impervious gloves. | No protective equipment is needed under normal use conditions. |
| Skin | : Use synthetic apron, other protective equipment as necessary to prevent skin contact. | No protective equipment is needed under normal use conditions. |
| Respiratory | : Wear appropriate respirator when ventilation is inadequate and occupational exposure limits are exceeded. | No special protection is required. |

| Ingredient | Exposure limits |
|-------------------------------|---|
| sodium perborate, monohydrate | ACGIH TLV (United States, 2/2010). STEL: 6 mg/m ³ 15 minute(s). Form: Inhalable fraction. See Appendix C, paragraph A. Inhalable Particulate Mass TLVs (IPM-TLVs) for those materials that are hazardous when deposited anywhere in the respiratory tract. TWA: 2 mg/m ³ 8 hour(s). Form: Inhalable fraction. See Appendix C, paragraph A. Inhalable Particulate Mass TLVs (IPM-TLVs) for those materials that are hazardous when deposited anywhere in the respiratory tract. |

9. Physical and chemical properties

| | | |
|-----------------------------------|---|--------------------------------|
| Physical state | Product AS SOLD | Product AT USE DILUTION |
| | : Powder. | Liquid. |
| Flash point | Product AS SOLD | Product AT USE DILUTION |
| | : > 100°C Product does not support combustion. | > 100°C |
| Color | : White with colored particles | Colorless. |
| Odor | : Odorless. | Odorless. |
| pH | : 10.9 to 11.9 [Conc. (% w/w): 1%] | 10.5 to 11.2 |
| Boiling/condensation point | : >100°C (>212°F) | |
| Dispersibility properties | : Dispersible in the following materials: hot water. Partially dispersible in the following materials: cold water. | |

9. Physical and chemical properties

Solubility : Soluble in the following materials: hot water.
Partially soluble in the following materials: cold water.

10. Stability and reactivity

Product AS SOLD

Stability : The product is stable. Under normal conditions of storage and use, hazardous polymerization will not occur.

Reactivity : Reactive or incompatible with the following materials: metals and acids.
Slightly reactive or incompatible with the following materials: organic materials.

Hazardous decomposition products : Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Hazardous polymerization : Under normal conditions of storage and use, hazardous polymerization will not occur.

11. Toxicological information

Potential acute health effects

Product AS SOLD

Eyes : Corrosive to eyes.

Skin : Corrosive to the skin.

Inhalation : Severely irritating to the respiratory system.

Ingestion : Causes burns to mouth, throat and stomach.

Product AT USE DILUTION

No known significant effects or critical hazards.

No known significant effects or critical hazards.

No known significant effects or critical hazards.

No known significant effects or critical hazards.

Product AS SOLD

Potential chronic health effects

Reproductive toxicity : Contains material which may cause reproductive effects based on animal data.

12. Ecological information

Ecotoxicity : Not reported

13. Disposal considerations

Product AS SOLD

Waste disposal : Avoid disposal. Attempt to use product completely in accordance with intended use. Disposal should be in accordance with applicable regional, national and local laws and regulations.

Product AT USE DILUTION

Diluted product can be flushed to sanitary sewer. Discard empty container in trash.

14. Transport information

Certain shipping modes or package sizes may have exceptions from the transport regulations. The classification provided may not reflect those exceptions and may not apply to all shipping modes or package sizes.

Product AS SOLD

DOT Classification : Not regulated.

For transport in bulk or using IMDG regulations, see shipping documents for specific transportation information.

Product AT USE DILUTION

Not intended for transport.

15. Regulatory information

Product AS SOLD

HCS Classification : Corrosive material

Product AS SOLD

U.S. Federal regulations

TSCA 8(b) inventory : All components are listed or exempted.

SARA 302/304/311/312 extremely hazardous substances: No listed substance

SARA 302/304 emergency planning and notification: No listed substance

SARA 313 Product name CAS number Concentration

Form R - Reporting requirements : No listed substance

California Prop. 65 : No listed substance

Product AT USE DILUTION

Not regulated.

16. Other information

Product AS SOLD

Hazardous Material Information System (U.S.A.) :

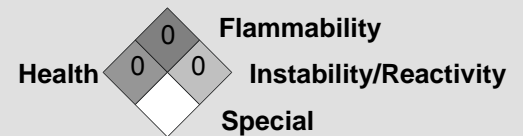
| | | |
|------------------|---|---|
| Health | * | 3 |
| Flammability | | 0 |
| Physical hazards | | 0 |
| | | |

National Fire Protection Association (U.S.A.) :



Product AT USE DILUTION

| | | |
|------------------|--|---|
| Health | | 0 |
| Flammability | | 0 |
| Physical hazards | | 0 |
| | | |



Date of issue : 22-November-2010

Responsible name : Regulatory Affairs
1-800-352-5326

☑ Indicates information that has changed from previously issued version.

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.