

SAFETY DATA SHEET



AQUA BALANCE SPF-3050

Section 1. Chemical product and company identification

Product name : AQUA BALANCE SPF-3050
Recommended use and restrictions : Pool chemical
Use only for the purpose on the product label.

Product dilution information : Not applicable

Supplier's information : Ecolab Inc. Institutional Division
370 N. Wabasha Street
St. Paul, MN 55102
1-800-352-5326
Code : 919647-02
Date of issue : 21 Oct 2013
EPA Registration No. : Adjuvant
EMERGENCY HEALTH INFORMATION: 1-800-328-0026
Outside United States and Canada CALL 1-651-222-5352 (in USA)

Section 2. Hazards identification

Product AS SOLD
GHS Classification : Not classified.
GHS label elements
Signal word : No signal word.
Hazard statements : No known significant effects or critical hazards.
Precautionary statements
Prevention : Wash thoroughly after handling.
Response : Get medical attention if symptoms appear.
Storage : No other specific measures identified.
Disposal : See section 13 for waste disposal information.
Other hazards : Handling and/or processing of this material may generate a dust which can cause mechanical irritation of the eyes, skin, nose and throat.

Product AT USE DILUTION
Product is sold ready to use.

Section 3. Composition/information on ingredients

Substance/mixture : Mixture

Product AS SOLD

| Hazardous ingredients | Concentration Range (%) | CAS number |
|-----------------------|-------------------------|------------|
| isocyanuric acid | >50 | 108-80-5 |

Section 3. Composition/information on ingredients

Product AT USE DILUTION

Hazardous ingredients

Concentration Range (%)

CAS number

Product is sold ready to use.

Section 4. First aid measures

Product AS SOLD

Eye contact : No known effect after eye contact. Rinse with water for a few minutes.

Skin contact : No known effect after skin contact. Rinse with water for a few minutes.

Inhalation : No special measures required. Treat symptomatically.

Ingestion : Get medical attention if symptoms occur.

Protection of first-aiders : No action shall be taken involving any personal risk or without suitable training.

Notes to physician : In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.

See toxicological information (section 11)

Product AT USE DILUTION

Product is sold ready to use.

Section 5. Fire-fighting measures

Product AS SOLD

Suitable fire extinguishing media : Use dry chemical powder.

Specific hazards arising from the chemical : No specific fire or explosion hazard.

Hazardous thermal decomposition products : Decomposition products may include the following materials:
carbon dioxide
carbon monoxide
nitrogen oxides

Specific fire-fighting methods : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

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

Product AS SOLD

Personal precautions : Use personal protective equipment as required.

Environmental precautions : Avoid contact of large amounts of spilled material and runoff with soil and surface waterways.

Methods for cleaning up : Collect spillage. Use a water rinse for final clean-up.

Product AT USE DILUTION

Product is sold ready to use.

Section 7. Handling and storage

| | |
|-----------------|-----------------------------------|
| | Product AS SOLD |
| Handling | : Wash thoroughly after handling. |
| Storage | : Keep out of reach of children. |

Store between the following temperatures: 0 and 50°C

Product AT USE DILUTION

Product is sold ready to use.

Section 8. Exposure controls/personal protection

Control parameters

| Ingredient name | Exposure limits |
|------------------|--|
| isocyanuric acid | AIHA WEEL (United States, 10/2011). TWA: 5 mg/m ³ 8 hours. Form: Respirable TWA: 10 mg/m ³ 8 hours. Form: Total |

| | |
|---|--|
| | Product AS SOLD |
| Appropriate engineering controls | : Good general ventilation should be sufficient to control worker exposure to airborne contaminants. |

Personal protection

| | |
|-------------------------------|---|
| Eye protection | : No protective equipment is needed under normal use conditions. |
| Hand protection | : No protective equipment is needed under normal use conditions. |
| Skin protection | : No protective equipment is needed under normal use conditions. |
| Respiratory protection | : A respirator is not needed under normal and intended conditions of product use. |
| Hygiene measures | : Wash hands before eating, drinking or smoking. |

Product AT USE DILUTION

Product is sold ready to use.

Section 9. Physical and chemical properties

| | |
|---|------------------------|
| | Product AS SOLD |
| Physical state | : Powder |
| Color | : White |
| Odor | : Odorless |
| pH | : 3.5 (1%) |
| Flash point | : > 100°C |
| Explosion limits | : Not available. |
| Flammability (solid, gas) | : Not available. |
| Melting point | : Not available. |
| Boiling point | : Not available. |
| Evaporation rate (butyl acetate = 1) | : Not available. |
| Vapor pressure | : Not available. |
| Vapor density | : Not available. |
| Relative density | : 0.8 (Water = 1) |
| Solubility | : Not available. |
| Partition coefficient: n-octanol/water | : Not available. |

Product AT USE DILUTION

Product is sold ready to use.

Section 9. Physical and chemical properties

| | |
|---------------------------|--|
| Auto-ignition temperature | : Not available. |
| Decomposition temperature | : Not available. |
| Odor threshold | : Not available. |
| Viscosity | : Kinematic (room temperature): 0 cm ² /s (0 cSt) |

Section 10. Stability and reactivity

Product AS SOLD

| | |
|------------------------------------|--|
| Stability | : The product is stable. |
| Possibility of hazardous reactions | : Under normal conditions of storage and use, hazardous reactions will not occur. |
| Conditions to avoid | : No specific data. |
| Materials to avoid | : Reactive or incompatible with the following materials: metals and alkalis. Slightly reactive or incompatible with the following materials: acids. |
| Hazardous decomposition products | : Under normal conditions of storage and use, hazardous decomposition products should not be produced. |

Section 11. Toxicological information

| | |
|-------------------|--|
| Route of exposure | : Skin contact, Eye contact, Ingestion |
|-------------------|--|

Product AS SOLD

Symptoms

| | |
|--------------|---|
| Eye contact | : No specific data. |
| Skin contact | : No specific data. |
| Inhalation | : Adverse symptoms may include the following: respiratory tract irritation coughing |
| Ingestion | : No specific data. |

Acute toxicity

| | |
|--------------|--|
| Eye contact | : No known significant effects or critical hazards. |
| Skin contact | : No known significant effects or critical hazards. |
| Inhalation | : Exposure to airborne concentrations above statutory or recommended exposure limits may cause irritation of the nose, throat and lungs. |
| Ingestion | : No known significant effects or critical hazards. |

Toxicity data

Product/ingredient name

| | | | |
|------------------|-----------------|--------|-------------|
| isocyanuric acid | LC50 Inhalation | Rat | 5.25 mg/l |
| | Dusts and mists | | |
| | LD50 Dermal | Rabbit | >5000 mg/kg |
| | LD50 Oral | Rat | >5000 mg/kg |

Chronic toxicity

| | |
|-----------------------|---|
| Carcinogenicity | : No known significant effects or critical hazards. |
| Mutagenicity | : No known significant effects or critical hazards. |
| Teratogenicity | : No known significant effects or critical hazards. |
| Developmental effects | : No known significant effects or critical hazards. |
| Fertility effects | : No known significant effects or critical hazards. |

Product AT USE DILUTION

Product is sold ready to use.

Section 12. Ecological information

Product AS SOLD

Ecotoxicity : No known significant effects or critical hazards.

Aquatic and terrestrial toxicity

| Product/ingredient name | Result | Species | Exposure |
|-------------------------|-----------------------|---------|----------|
| isocyanuric acid | Acute LC50 >1000 mg/l | Fish | 96 hours |

Other adverse effects : No known significant effects or critical hazards.

Section 13. Disposal considerations

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

Product AS SOLD

Product AT USE DILUTION

Product is sold ready to use.

Section 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.

DOT

DOT Classification : Not regulated.

IMO/IMDG

IMO/IMDG Classification : Not regulated.

For transport in bulk, see shipping documents for specific transportation information.

Product AT USE DILUTION

Not intended for transport.

Section 15. Regulatory information

Product AS SOLD

U.S. Federal regulations

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

EPA Registration No. : Adjuvant

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

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

| <u>SARA 313</u> | <u>Product name</u> | <u>CAS number</u> | <u>Concentration</u> |
|---------------------------------|-----------------------|-------------------|----------------------|
| Form R - Reporting requirements | : No listed substance | | |

California Prop. 65 : No listed substance

Section 16. Other information

Section 16. Other information

Product AS SOLD

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

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

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



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Prepared by : Regulatory Affairs
1-800-352-5326

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.