

# Material Safety Data Sheet



VALIANT EXPRESS 3 CONCENTRATE

## Section 1. Chemical product and company identification

Trade name : VALIANT EXPRESS 3 CONCENTRATE  
Product use : Teat dip  
Supplier : Ecolab Inc Food & Beverage Division  
370 N. Wabasha Street  
St Paul, MN 55102  
1-800-392-3392  
Code : 900898  
Date of issue : 15-June-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

Name	CAS number	% by weight
sodium chlorite	7758-19-2	1 - 5

## Section 3. Hazards identification

Physical state : Liquid (Liquid )  
Emergency : WARNING!  
overview

CAUSES RESPIRATORY TRACT, EYE AND SKIN IRRITATION.  
Avoid contact with skin and clothing. Avoid breathing vapor or mist. Keep container closed.  
Use only with adequate ventilation. Wash thoroughly after handling.

### Potential acute health effects

Eyes : Irritating to eyes  
Skin : Irritating to skin  
Inhalation : Irritating to respiratory system  
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 : Wash with soap and water. Get medical attention if irritation occurs. Wash clothing before reuse.  
Inhalation : If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.  
Ingestion : Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately.

## Section 5. Fire fighting measures

Flash point : > 100°C  
Product does not support combustion  
Products of combustion : These products are halogenated compounds, hydrogen chloride  
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, contain spilled material. For small spills add absorbent (soil may be used in the absence of other suitable materials) scoop up material and place in a sealed, liquid-proof container for disposal. For large spills dike spilled material or otherwise contain material to ensure runoff does not reach a waterway. Place spilled material in an appropriate container for disposal --

## Section 7. Handling and storage

- Handling** : Avoid contact with eyes, skin and clothing. Keep container closed. Use only with adequate ventilation. Avoid breathing vapor or mist. Wash thoroughly after handling.
- Storage** : Keep out of the reach of children. Keep container tightly closed. Keep container in a cool, well-ventilated area.  
Store between -10 and 50°C

## Section 8. Exposure Controls, Personal Protection

- Engineering controls** : Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective occupational exposure limits.

### Personal protection

- Eyes** : Use safety eyewear designed to protect against splash of liquids.
- Hands** : For prolonged or repeated handling, use impervious gloves.
- Skin** : No protective equipment is needed under normal use conditions.
- Respiratory** : Avoid breathing vapor or mist.

Consult local authorities for acceptable exposure limits.

## Section 9. Physical and chemical properties

- Physical state** : Liquid. (Liquid)
- Color** : Colorless to light yellow
- Odor** : chlorine
- pH** : 11.75 (100%)
- Boiling/condensation point** : 100 °C
- Specific gravity** : 1.03 (Water = 1)
- Dispersion properties** : Easily dispersed in cold water, hot water.
- Solubility** : Easily soluble in cold water, hot water.

## Section 10. Stability and reactivity

- Stability** : The product is stable.
- Reactivity** : Reactive with acids.  
Slightly reactive to reactive with organic materials, alkalis.  
Mixing this product with acid or ammonia releases chlorine gas.
- Hazardous decomposition products** : These products are halogenated compounds, hydrogen chloride products.

