



Safety Data Sheet

Better Chemistry. Better Business

AQUAEASE® S 187 NE

Revised: 3.18.21

1 IDENTIFICATION

Product Name: AQUAEASE® S 187 NE

Product Code :2002004

Recommended use of the chemical and restrictions on use:Industrial applications

Hubbard-Hall Inc.

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Waterbury, CT 06708

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Emergency Phone Number

CHEMTREC: 1 (800) 424-9300

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2 HAZARDS IDENTIFICATION



Signal Word: WARNING

Hazard Category: Skin Corrosion/Irritation Hazard Category 2

Eye Damage/Irritation Hazard Category 2B

Toxic to Reproduction Hazard Category 2

Hazard Statements: Causes skin irritation.

Causes eye irritation.

Suspected of damaging fertility or the unborn child.

Prevention: Wash skin thoroughly after handling.

Wear rubber gloves, goggles and chemical protective clothing.

Obtain special instruction before use.

Do not handle until all safety precautions have been read and understood.

Response: If on skin: Wash with plenty of water.

Specific treatment - refer to poison center or doctor for advice.

If skin irritation occurs: Get Medical advice/attention.

Take off contaminated clothing and wash it before reuse.

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

If eye irritation persists: Get medical attention .

If exposed or concerned: Get medical advice/attention.

Storage: Store locked up.

Disposal: Dispose of contents/container in accordance with local, regional, national, or international regulations.

Components with Unknown Acute Toxicity Oral = 8% Dermal = 8%

3 COMPOSITION INFORMATION

Chemical Name	Common Name And Synonyms	CAS No. and other Unique identifiers	Concentration %
Sodium Nitrite	-	7632-00-0	~5%
Sodium Tetraborate pentahydrate	-	12179-04-3	~75%
Tetrasodium Pyrophosphate	-	7722-88-5	~10%

4 FIRST AID

After Skin Contact:

If on skin(on hair): Take off immediately all contaminated clothing. Rinse with water/safety shower. Call doctor if irritation persists.

After Eye Contact:

If in eyes: Rinse cautiously for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. If irritated, call doctor.

Most Important Symptoms/Effects

Eye:

Irritation of eyes and skin.

Skin:

This product can cause mild, transient skin irritation. The severity of irritation will depend on the amount of material that is applied to the skin and the speed and thoroughness that it is removed. Symptoms include redness, itching, and burning of the skin. Repeated or prolonged skin contact can produce moderate irritation(dermatitis).

Indication of immediate medical attention:

Provide general supportive measures and treat symptomatically. Symptoms may be delayed. Keep victim under observation.

5 FIRE FIGHTING MEASURES

Suitable and Unsuitable extinguishing media:

Will not burn or support combustion. Use extinguishing media appropriate for surrounding fire, such as water spray, dry chemical, foam or carbon dioxide.

Specific hazards arising from the chemical:

Nitrogen oxides may be produced.

Special protective equipment and precautions for firefighter

Wear chemical resistant protective equipment and self contained breathing apparatus (SCBA).

6 ACCIDENTAL RELEASE MEASURES

Methods and Materials for containment & cleaning up:

Stop spill at source.

Caution: Spilled material may be slippery.

If trained in accordance 29 CFR 1910.120, leaks should be stopped. Spills should be contained and cleaned immediately. Persons performing clean up work should wear adequate personal protective equipment and clothing. Spills and releases should be reported, if required, to the appropriate local, state and federal regulatory agencies.

Absorb the chemical onto sand, vermiculite, or any other non-combustible absorbent, and collect into containers for later disposal.

7 HANDLING AND STORAGE

Precautions for safe handling: Wash hands thoroughly after handling.
 Wear rubber gloves, goggles and chemical protective clothing.
 Eating, drinking and smoking in the work area is prohibited.

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Name	Std.	TWA-8hrs	STEL - 15 min.
Sodium Nitrite	Not established		
Sodium Tetraborate pentahydrate	ACGIH	2 mg/m ³ (inhalable fraction-Borate compounds)	6 mg/m ³
Tetrasodium Pyrophosphate	ACGIH	5 mg/m ³ 8 hrs (Inhalable fraction)	

ACGIH - American Control of Governmental Hygenists
 OSHA - Occupational Safety and Health Administration

Protective Gloves: Rubber gloves
Eye Protection: Wear chemical safety goggles.

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance: White to off-white granular mixture
Odor: NA
Odor Threshold: N/A
PH: 9-10 (4 oz/gal)
Melting Point/Freezing Point: N/A
Initial Boiling Point and Boiling Range: N/A
Flash Point: None
Evaporation Rate: N/A
Flammability (solid, gas): Non flammable
Upper/Lower flammability or explosive limits: N/A
Vapor Pressure: N/A
Vapor Density: N/A
Relative Density: N/A
Solubility (ies): Complete in water
Partition Coefficient; n-octanol/water: N/A
Auto-ignition Temperature: N/A
Decomposition Temperature: N/A
Viscosity: N/A

10 STABILITY AND REACTIVITY

Reactivity: Hazardous Polymerization will not occur.
Chemical Stability: Stable under normal conditions
Possibility of Hazardous Reactions: Hazardous polymerization does not occur.

Incompatible Materials: Avoid contact with strong oxidizers and strong acids.

11 TOXICOLOGICAL INFORMATION

Oral Administration: Sodium Nitrite-LD50-(Rat)-88 mg/kg
Oral Administration: Sodium Tetraborate-LD50(Rat)-3305 mg/kg
Oral Administration: Tetrasodium Pyrophosphate-rat-LD50-1-3 g/kg
Dermal administration: Sodium Tetraborate Pentahydrate-LD50(Rabbit)->2000 mg/kg
Delayed effects: NA
Immediate effects: Irritation/ burns of skin and eyes.
Cancer Hazard: Not listed by IARC, NTP, OSHA, ACGIH
Routes of Exposure Eyes, Skin, Inhalation, Ingestion

12 ECOLOGICAL INFORMATION

Fish, Oncorhynchus mykiss Sodium Nitrite-flow through trst LC50-0.94-1.92 mg/L-96.0 h
Persistence and Degradability: Will biodegrade readily
Biotic degradability: No data available
Bioaccumulation potential: Unlikely
Water result: Disperses in water.
Soil/Sediment Result: No data available

13 DISPOSAL CONSIDERATION

Dispose of in accordance with local, state and federal regulations.

14 TRANSPORT INFORMATION

UN Proper Shipping Name: NOT D.O.T. REGULATED

15 REGULATORY INFORMATION

HMIS: Health: 1 Flammability: 0 Reactivity: 0

Sara Hazard Classification Sodium Nitrite-SARA 313 listed
Proposition 65 No Proposition 65 listed components in this formula
TSCA Inventory Status All components of this product are on the TSCA inventory or are exempt from TSCA inventory requirements .

16 OTHER INFORMATION

Disclaimer: The information is based on our knowledge to date but does not constitute an assurance of product properties and does not imply a legal contractual relationship.