

VERSITILE NB11R-P

Revised: 9/22/25

1 IDENTIFICATION

Product Name: VERSITILE NB11R-P

Product Code :2508937

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

Hubbard-Hall Inc.

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Emergency Phone Number

CHEMTREC: 1 (800) 424-9300

International: 1 (703) 527-3887

2 HAZARDS IDENTIFICATION



Signal Word: DANGER

Hazard Category: Oxidizing Solid Hazard Category 3

Acute Toxicity-Oral Hazard Category 3

Eye Damage/Irritation Hazard Category 2A

Toxic to Reproduction Hazard Category 2

Hazard Statements: May intensify fire, oxidizer

Toxic if swallowed.

Causes serious eye irritation.

Suspected of damaging fertility or the unborn child.

Prevention: Keep away from heat.

Keep/Store away from clothing and other combustible material.

Take any precaution to avoid mixing with combustibles.

Wash skin thoroughly after handling.

Do not eat, drink, or smoke when using this product.

Wear rubber protective gloves and goggles.

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

Obtain special instruction before use.

Response: In case of fire: Use water, foam, chemical extinguisher or carbon dioxide.

If swallowed: Immediately call poison center or doctor.

Rinse Mouth

If in eyes: Rinse cautiously for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/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.

3 COMPOSITION INFORMATION

Chemical Name	Common Name And Synonyms	CAS No. and other Unique identifiers	Concentration %
Disodium Tetraborate Pentahydrate	-	12179-04-3	1-5%
Sodium Nitrite		7632-00-0	20-30%

4 FIRST AID

After Skin Contact:

If on skin: Wash with water and get medical attention if burned or irritated.

After Eye Contact:

Immediately flush with cool clean water for at least 15 minutes. Contact physician.

After Ingestion:

If swallowed: Rinse mouth. Call a doctor.

Most Important Symptoms/Effects

Eye:

Irritation of eye, skin, and or respiratory system.

Indication of immediate medical attention:

Severe eye and or skin irritation or burns.

5 FIRE FIGHTING MEASURES

Suitable and Unsuitable extinguishing media: In case of fire: Use water, foam, chemical extinguisher or carbon dioxide.

Specific hazards arising from the chemical: Nitrogen oxides may be produced.

Special protective equipment and precautions for firefighter Wear self-contained breathing apparatus for fire fighting if necessary.

6 ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, & Emergency Proc Wear appropriate chemical protection equipment such as gloves, face-shield, goggles and suitable body protection to prevent contamination of skin, eyes and personal clothing.

Methods and Materials for containment & cleaning up: 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.

7 HANDLING AND STORAGE

Precautions for safe handling: Keep container tightly closed.

Use in well ventilated area.

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Name	Std.	TWA-8hrs	STEL - 15 min.
Disodium Tetraborate Pentahydrate	ACGIH	2mg/m3	
Sodium Nitrite		NA	

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

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	White to off-white granular mixture
Odor:	None
Odor Threshold:	N/A
PH:	10.0-10.5 (1% v)
Melting Point/Freezing Point:	NA
Initial Boiling Point and Boiling Range:	NA
Flash Point:	N/A
Evaporation Rate:	N/A
Flammability (solid, gas):	N/A
Upper/Lower flammability or explosive limits:	N/A
Vapor Pressure:	NA
Vapor Density:	NA
Relative Density:	NA
Solubility (ies):	100%
Partition Coefficient; n-octanol/water:	NA
Auto-ignition Temperature:	N/A
Decomposition Temperature:	NA
Viscosity:	NA

10 STABILITY AND REACTIVITY

Reactivity:	Low
Chemical Stability:	Stable under normal conditions
Possibility of Hazardous Reactions:	May explode if heated to decomposition temperature of 600° C
Conditions to Avoid:	Contact with incompatible materials. Keep away from Flammable, combustible and reducing substances.
Incompatible Materials:	Reducing agents, other oxidizers, acids, cyanide compounds, cyanate compounds, thiosulfates, ammonium compounds and amines.

11 TOXICOLOGICAL INFORMATION

Oral Administration:	Disodium Tetraborate Pentahydrate LD50(Rat)-3305 mg/kg
Oral Administration:	Sodium Nitrite-LD50-(Rat)-88 mg/kg
Inhalation:	Not established for this product

Immediate effects: Irritation of skin and eyes.
Cancer Hazard: IARC-2A--Group 2A: Probably carcinogenic to humans (Sodium Nitrite)

12 ECOLOGICAL INFORMATION

Fish, Oncorhynchus mykiss Sodium Nitrite----flow through test LC50 - 0.94-1.92 mg/L - 96 hrs
Daphnia Magna, Sodium Nitrite--EC50--12.5mg/L - 48 hrs
Persistence and Degradability: Not Available
Bioaccumulation potential: No data available
Water result: Pronounced solubility and mobility
Other adverse effects(such as hazardous to the ozone layer): Toxic to fish

13 DISPOSAL CONSIDERATION

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

14 TRANSPORT INFORMATION

UN Number: 1500
UN Proper Shipping Name: SODIUM NITRITE MIXTURE
Transport Hazard Class (es): 5.1
Packing Group: III
ERG: 141
Marine Pollutant(Y/N): N/A

15 REGULATORY INFORMATION

HMIS: Health: 2 Flammability: 0 Reactivity: 1
Cercla 250 lbs (Sodium Nitrite 40%)
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

REACH status No **RoHS** or **REACH SVHC** are contained in this product.

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.