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# SAFETY DATA SHEET

**Version: 1.0 | Revision Date: 12 April 2026 | Issue Date: 18 February 2025**

## **Regal NV Rinse**

Prepared by BWD and Associates

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### **SECTION 1. IDENTIFICATION**

#### **Product identifier**

**Product Name:** Regal NV Rinse

**CAS:** Mixture

#### **Recommended Use**

Cleaning/Degreasing Agent.

#### **Details of the supplier of the safety data sheet**

**Company name:** BWD and Associates

**Full address:** PO Box 255, Piedmont, SC 29673

**Telephone number:** (864) 551-7024

#### **Emergency telephone number**

**Chemical Information (8am-5pm (ET) M-F):** (864) 551-7024

**Emergency telephone number:** (800)-424-9300 - CHEMTREC

### **SECTION 2. HAZARD IDENTIFICATION**

#### **2.1 Classification of the substance or mixture**

##### **2.1.1 According to Regulation (HCS) (29 CFR 1910.1200(g))**

#### **GHS Classification:**

- Skin Corrosion - Category 1
- Serious Eye Damage - Category 1

- Corrosive to metals - Category 1
- Acute Toxicity (Inhalation) - Category 4
- Acute Toxicity (Oral) - Category 4

**⚠ DANGER**

**Hazard Pictograms:**

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**Hazard Statements:**

**H314:** Causes severe skin burns and eye damage.

**H318:** Causes serious eye damage.

**H290:** May be corrosive to metals.

**H332:** Harmful if inhaled.

**H302:** Harmful if swallowed.

**H335:** May cause respiratory irritation.

**Precautionary Statements**

**Prevention:**

**P280:** Wear protective gloves/protective clothing.

**P264:** Wash hands thoroughly after handling.

**P234:** Keep only in original container.

**Response:**

**P305+P351+P338:** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to remove; continue rinsing.

**P303+P361+P353:** IF ON SKIN, remove immediately and rinse.

**P304+P340:** IF INHALED: Remove person to fresh air and keep comfortable for breathing.

**P301+P312:** IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.

**P390:** Absorb spillage to prevent damage.

**P310:** Immediately call a poison centre or doctor if symptoms occur.

**Storage:** Keep container tightly closed in a cool, well-ventilated area away from incompatible materials.

**Disposal:** Dispose of contents in accordance with local, state, and federal regulations.

**Other hazards:** When the product is sprayed, aerosols may form, increasing the risk of inhalation exposure to 2-Butoxyethanol. These conditions necessitate the inclusion of acute toxicity hazards (H332, H302, and H335).

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### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.1 Substances

IUPAC Name	Synonyms	CAS Number	Conc. Range (%w/w)
Sodium Metasilicate	Disodium Metasilicate, Disodium Silicate, Sodium Silicate	6834-92-0	2 - 3.5%
2-Butoxyethanol	Butyl glycol, Glycol Ether EB	111-76-2	2 - 3%
Ethylenediaminetetraacetic acid, tetrasodium salts	Edetate sodium, EDTA tetrasodium, Sodium edetate	64-02-8	2 - 3%

IUPAC Name	Synonyms	CAS Number	Conc. Range (%w/w)
Nonylphenol polyethylene glycol ether	NP-9, Nonoxynol-9, Polyethylene glycol nonylphenol ether	127087-87-0	1 - 2%

## SECTION 4. FIRST AID MEASURES

### 4.1 Description of first aid measures

**Eye contact:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation persists.

**Skin contact:** Rinse with water until no evidence of product remains. Get medical attention if irritation persists.

**Inhalation:** Remove to fresh air and keep at rest in a position comfortable for breathing. Seek medical attention if person has difficulty breathing, chest discomfort, or exhibits any other signs of allergic response. Medical personnel should treat symptomatically.

**Ingestion:** Dilution by rinsing the mouth and drinking water is generally recommended. Get medical attention if symptoms occur.

**Protection of first-aiders:** No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

**Notes to physician:** Treat symptomatically. You should contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

**4.2 Most important symptoms and effects, both acute and delayed:** Harmful if inhaled. Causes skin irritation. Causes serious eye irritation. May cause an allergic skin reaction. May be harmful if swallowed.

**4.3 Note to physician:** Treat symptomatically.

## SECTION 5. FIRE-FIGHTING MEASURES

**5.1 Suitable fire extinguishing media:** Use dry chemical, Carbon Dioxide, or foam.

**5.2 Specific hazards arising from the chemical:** Toxic fumes may be given off when the material is exposed to fire.

**5.3 Advice for Fire-Fighters:** Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. 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

### 6.1 Personal precautions, protective equipment and emergency procedures

**6.1.1 For non-emergency personnel:** Initiate company's spill response procedures immediately. Keep people and powered industrial vehicles out of the area. Don appropriate personal protective equipment (PPE; See Section 8). Do not walk through spilled material.

**6.1.2 For emergency responders:** Wear appropriate PPE: chemically protective gloves, clothing and full-face, air purifying respirator.

**6.2 Environmental:** Avoid contact of large amounts of spilled material and runoff with soil and surface waterways. Avoid discharge to drains.

**6.3 Methods for clean-up:** Collect spillage. Sweep, shovel or vacuum up spillage and collect in a suitable container for disposal. Flush residuals with plenty of water.

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## SECTION 7. HANDLING AND STORAGE

### 7.1 Precautions for safe handling

**7.1.1 Protective measures:** Avoid contact with eyes, skin and clothing. Do not ingest and avoid breathing dust. Use only with adequate ventilation. Wash thoroughly after handling.

**7.1.2 Information on general occupational hygiene:** Wear protective, chemical resistant gloves / protective clothing / eye protection and face protection. Wash hands, forearms and face thoroughly after handling chemical products, before eating, before smoking and using the lavatory at the end of a working period. Wash contaminated clothing before reusing.

**7.2 Conditions for safe storage, including any incompatibilities:** Keep out of reach of children. Keep container tightly closed. Store at controlled room temperature at 20–25 °C (68–77°F).

**7.3 Incompatible Materials:** Oxidizers.

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 Control parameters

Chemical Name	ACGIH TWA	ACGIH STEL	OSHA PEL TWA	OSHA PEL STEL
Sodium Metasilicate	2 mg/m <sup>3</sup>	--	2 mg/m <sup>3</sup>	--
2-Butoxyethanol	--	--	240 mg/m <sup>3</sup>	--
Ethylenediamine tetraacetic acid, tetrasodium salts	--	--	--	--
Nonylphenol polyethylene glycol ether	--	--	--	--

\*\* OSHA Occupational Chemical Database

## 8.2 Exposure Controls

**8.2.1 Appropriate engineering controls:** Use in a well-ventilated area or with local exhaust ventilation to maintain airborne concentrations below occupational exposure limits. If handling in confined spaces, use mechanical ventilation or exhaust systems to prevent exposure buildup.

### 8.2.2 Individual protection measures such as personal protection equipment

**General:** Make sure working eye wash stations and safety showers are within reasonable distance from workers.

**Eye/face protection:** Safety goggles or face shield (ANSI Z87.1 or equivalent).

**Skin protection:** Chemical resistant gloves. Long sleeves, apron, or coveralls for splash protection.

**Respiratory protection:** Adequate ventilation. If in a confined space use a NIOSH-approved respirator with organic vapor cartridges and particulate filters.

**8.2.3 Environmental exposure controls:** Prevent the spread of any spill to minimize harm to the environment.

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### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

#### 9.1 Information on basic physical and chemical properties

Property	Value
Physical state	Liquid

Property	Value
Colour	Clear green
Odour	Not available
pH	12.5 - 14
Melting point	Not available
Boiling point	>100°C (>212°F)
Flash point	>100°C
Evaporation rate	Not available
Flammability	Not available
Upper/lower flammability or explosive limits	Not available
Vapour pressure	Not available
Vapour density	Not available
Relative density	Not available
Solubility (ies) in water (T = 20 °C)	Soluble in water
Partition coefficient: n-octanol/water	Not available
Auto-ignition temperature	Not available
Decomposition temperature	Not available
Viscosity	Not available
Explosive properties	Not available
Oxidising properties	Not available
Specific Gravity	0.99 - 1.04

## SECTION 10. STABILITY AND REACTIVITY

**10.1 Reactivity:** May react with acids.

**10.2 Stability:** The product is stable.

**10.3 Possibility of hazardous reactions:** Under normal conditions, storage, and use, hazardous reactions will not occur.

**10.4 Conditions to avoid:** Excessive heat or cold.

**10.5 Materials to avoid:** Avoid contact with strong oxidizing agents and strong acids.

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

decomposition may include inorganic salt, carbon dioxide (CO<sub>2</sub>), and carbon monoxide (CO).

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### SECTION 11. TOXICOLOGICAL INFORMATION

**Route(s) of exposure:** Skin contact, Eye contact, Inhalation, Ingestion.

**Symptoms:**

**Eye contact:** Redness, burning, and tearing. May cause temporary blurred vision.

**Skin contact:** Redness, dryness, and degreasing of the skin.

**Inhalation:** Irritation of the nose, throat, and lungs. May induce coughing, shortness of breath, or discomfort.

**Ingestion:** Irritation of the mouth, throat, and stomach. May cause nausea, vomiting, and abdominal pain.

**Acute toxicity:**

**Eye contact:** Can cause serious eye irritation and damage.

**Skin contact:** Causes skin irritation.

**Inhalation:** Harmful by inhalation.

**Ingestion:** Harmful if swallowed.

**Toxicological Data**

IUPAC Name	CAS Number	LD50 - Oral Rat	LC50 - Inhalation - Rat	LD50 - Dermal Rabbit
Sodium Metasilicate	6834-92-0	600 mg/kg	ND (Corrosive)	ND (Corrosive)
2-Butoxyethanol	111-76-2	1,200 - 1,700 mg/kg	>2.0 mg/L	>2,000 mg/kg
Ethylenediaminetetraacetic acid, tetrasodium salts	64-02-8	>2,000 mg/kg	ND	ND
Nonylphenol polyethylene glycol ether	127087-87-0	1,310 mg/kg	ND	>2,000 mg/kg

### Carcinogenicity Data

IUPAC Name	CAS Number	IARC	NTP	OSHA
Sodium Metasilicate	6834-92-0	Not listed	Not listed	Not listed
2-Butoxyethanol	111-76-2	Group 3 (Not Classifiable)	Not listed	Not listed
Ethylenediaminetetraacetic acid, tetrasodium salts	64-02-8	Not listed	Not listed	Not listed
Nonylphenol polyethylene glycol ether	127087-87-0	Not listed	Not listed	Not listed

### 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.

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### SECTION 12. ECOLOGICAL INFORMATION

**12.1 Ecotoxicity:** This product is anticipated to be safe for the environment at concentrations predicted in household settings under normal use conditions. Discharge of large quantities into the aquatic environment may be harmful to fish and other aquatic organisms.

**12.2 Persistence and degradability:** This material is not expected to persist in the environment. It may contribute to localized chemical imbalances; however, no specific data is available on the mixture.

**12.3 Bioaccumulative potential:** This product is not expected to bioaccumulate.

**12.4 Mobility in soil:** Expected to partition to water and transport readily.

**12.5 Results of PBT and vPvB assessment:** No specific data are available for this mixture.

**12.6 Other adverse effects:** Alkaline nature of the mixture may increase local pH levels.

#### Toxicity to Fish

IUPAC Name	Value Type	Value	Exposure Time	Species	Method
Sodium Metasilicate	LC50	260 mg/L	96 hr	<i>Oncorhynchus mykiss</i> (Rainbow Trout)	UNK
2-Butoxyethanol	LC50	1,700 mg/L	96 hr	<i>Lepomis macrochirus</i> (Bluegill)	UNK

IUPAC Name	Value Type	Value	Exposure Time	Species	Method
Ethylenediaminetetraacetic acid, tetrasodium salts	LC50	41 mg/L	96 hr	<i>Lepomis macrochirus</i> (Bluegill)	UNK
Nonylphenol polyethylene glycol ether	LC50	3.8 – 6.2 mg/L	96 hr	<i>Pimephales promelas</i> (Flathead minnow)	UNK

## SECTION 13. DISPOSAL CONSIDERATIONS

### 13.1 Waste Treatment Methods

#### Disposal of Product:

- Dispose of contents in accordance with local, regional, national, and international regulations.
- Do not discharge into sewers, water sources, or soil.
- Due to high pH (>12.5), neutralization may be required before disposal where permitted.

#### Disposal of Packaging:

- Empty containers may retain hazardous residues and should be disposed of properly.
- Rinse thoroughly and recycle or dispose of per local regulations.
- Do not reuse containers for other purposes.

#### Additional Information:

- Contact an authorized waste disposal facility for guidance.
  - Incineration or chemical treatment may be required based on waste classification.
  - Regulatory waste code may be applicable based on jurisdiction.
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### SECTION 14. TRANSPORT INFORMATION

#### 14.1 UN Number

**UN3266** (Corrosive Liquid, Basic, Inorganic, N.O.S.)

#### 14.2 UN Proper Shipping Name

Corrosive Liquid, Basic, Inorganic, N.O.S. (Contains Sodium Metasilicate, Nonylphenol ethoxylate, Ethylenediaminetetraacetic acid, tetrasodium salts solution)

#### 14.3 Transport Hazard Class(es)

Regulatory Body	Hazard Class
DOT (U.S.)	Class 8
IMDG (Marine Transport)	Class 8
IATA (Air Transport)	Class 8

#### 14.4 Packing Group

PG III

#### 14.5 Environmental Hazards

Not classified as a marine pollutant, but may be harmful to aquatic life in large quantities.

#### 14.6 Special Precautions for User

Use proper protective equipment when handling large spills or leaks.

Ensure compliance with all transport regulations.

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### SECTION 15. REGULATORY INFORMATION

#### U.S. Federal Regulations

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

#### SARA 313

Product Name	CAS Number	Concentration Values wt%	SARA 313 Threshold
2-Butoxyethanol	111-76-2	2 - 3 wt%	1.0 wt%

**California Prop. 65:** No listed substance.

**REACH (EU Regulation 1907/2006):** All ingredients are compliant or exempt.

**OSHA:** Regulated under the Hazard Communication Standard (HCS 2012).

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## **SECTION 16. OTHER INFORMATION**

**Prepared by:** BWD and Associates

### **16.1 Indication of changes**

<b>Date of Issue</b>	<b>18 February 2025</b>
<b>Version</b>	<b>1.0</b>
<b>Revision Date</b>	<b>12 April 2026</b>
<b>Regulatory Compliance</b>	<b>Compliant with regulation (HCS), 29 CFR 1910.1200(g)</b>

### **16.2 Abbreviations and Acronyms**

<b>Abbreviation</b>	<b>Definition</b>
ACGIH	American Conference of Governmental Industrial Hygienists
CAS	Chemical Abstract Service Number
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
DOT	US Department of Transportation
IARC	International Agency for Research on Cancer
IDLH	Immediately Dangerous to Life and Health
NA	Not Available
ND	Not Determined
NTP	National Toxicological Program
OECD	Organisation for Economic Cooperation and Development
OSHA	Occupational Safety and Health Administration

Abbreviation	Definition
PEL	Permissible Exposure Limit
ppm	Parts per million
RCRA	Resource Conservation and Recovery Act
RTECS	Registry of Toxic Effects of Chemical Substances
SARA	Superfund Amendments and Reauthorization Act
TLV	Threshold Limit Value
TSCA	Toxic Substances Control Act

## 16.5 Disclaimer

The information on this data sheet reflects the currently available knowledge and is reliable provided that the product is used under the prescribed conditions and in accordance with the application specified on the packaging and/or in the technical guidance literature. Any other use of the product, including the use of the product in combination with any other product or any other process, is the responsibility of the user. It is implicit that the user is responsible for determining appropriate safety measures and for applying the legislation covering his/her own activities.

## END OF SAFETY DATA SHEET

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