



# RP 835

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations  
Issue date: 1/21/2015 Revision date: 12/17/2023 Supersedes: 5/5/2016 Version: 3.0

### SECTION 1: Identification

#### 1.1. Identification

Product form : Mixture  
Product name : RP 835  
Product code : 422006

#### 1.2. Recommended use and restrictions on use

Recommended use : Rust, Corrosion inhibitor  
Restrictions on use : None known

#### 1.3. Supplier

Brulin  
P.O. Box 270  
Indianapolis, IN 46206 - USA  
T 1.800.776.7149 / +1.317.923.3211 - F 317.925.4596  
[Regulatory@brulin.com](mailto:Regulatory@brulin.com) - [www.brulin.com](http://www.brulin.com)

#### 1.4. Emergency telephone number

Emergency number : CHEMTREC: 1.800.424.9300 or CHEMTREC (International) 1.703.527.3887

### SECTION 2: Hazard(s) identification


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

##### GHS US classification

Acute toxicity (oral) Category 4	H302	Harmful if swallowed
Hazardous to the aquatic environment – Acute Hazard Category 2	H401	Toxic to aquatic life
Full text of H statements : see section 16		

#### 2.2. GHS Label elements, including precautionary statements

##### GHS US labeling

Hazard pictograms (GHS US) : 

Signal word (GHS US) : Warning

Hazard statements (GHS US) : H302 - Harmful if swallowed  
H401 - Toxic to aquatic life

Precautionary statements (GHS US) : P264 - Wash hands thoroughly after handling.  
P270 - Do not eat, drink or smoke when using this product.  
P273 - Avoid release to the environment.  
P301+P312 - IF SWALLOWED: Call a doctor, a POISON CENTER if you feel unwell  
P330 - Rinse mouth.  
P501 - Dispose of contents/container to an approved waste disposal plant.

#### 2.3. Other hazards which do not result in classification

Other hazards which do not result in classification : None known.

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### 2.4. Unknown acute toxicity (GHS US)

Not applicable

## SECTION 3: Composition/Information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

Name	Product identifier	%
sodium nitrite	CAS-No.: 7632-00-0	1 – 5

Full text of hazard classes and H-statements : see section 16

## SECTION 4: First-aid measures

### 4.1. Description of first aid measures

No additional information available

### 4.2. Most important symptoms and effects (acute and delayed)

Symptoms/effects after inhalation	: None under normal use.
Symptoms/effects after skin contact	: Prolonged or repeated contact may cause skin to become dry.
Symptoms/effects after eye contact	: May cause slight temporary irritation.
Symptoms/effects after ingestion	: Harmful if swallowed. Overexposure to this material may result in methemoglobinemia. Cyanosis may occur (lips and fingernails turn blue). Convulsions. Dizziness, headaches, nausea.
Chronic symptoms	: None known.

### 4.3. Immediate medical attention and special treatment, if necessary

No additional information available

## SECTION 5: Fire-fighting measures

### 5.1. Suitable (and unsuitable) extinguishing media

Unsuitable extinguishing media : None known.

### 5.2. Specific hazards arising from the chemical

Fire hazard : Not combustible.

### 5.3. Special protective equipment and precautions for fire-fighters

No additional information available

## SECTION 6: Accidental release measures

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

#### 6.1.1. For non-emergency personnel

No additional information available

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### 6.1.2. For emergency responders

No additional information available

### 6.2. Environmental precautions

No additional information available

### 6.3. Methods and material for containment and cleaning up

No additional information available

### 6.4. Reference to other sections

No additional information available

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

No additional information available

### 7.2. Conditions for safe storage, including any incompatibilities

Storage temperature : 0 (4 – 49) °C

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

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No additional information available

#### sodium nitrite (7632-00-0)

No additional information available

### 8.2. Appropriate engineering controls

No additional information available

### 8.3. Individual protection measures/Personal protective equipment

No additional information available

## SECTION 9: Physical and chemical properties

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

Physical state	: Liquid
Appearance	: clear.
Color	: Water white
Odor	: mild characteristic
Odor threshold	: No data available
pH	: 7.6
Melting point	: No data available
Freezing point	: 32 °F (0 °C)
Boiling point	: 212 °F (100 °C)
Flash point	: None to Boiling
Relative evaporation rate (butyl acetate=1)	: No data available

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Flammability (solid, gas)	: No data available
Vapor pressure	: No data available
Relative vapor density at 20°C	: No data available
Relative density	: 1.03
Solubility	: Water: 100 %
Partition coefficient n-octanol/water (Log Pow)	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosion limits	: No data available
Explosive properties	: Not explosive.
Oxidizing properties	: Non oxidizing material.

### 9.2. Other information

VOC content : 0 % Less Exempts and Water

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No additional information available

### 10.2. Chemical stability

No additional information available

### 10.3. Possibility of hazardous reactions

No additional information available

### 10.4. Conditions to avoid

No additional information available

### 10.5. Incompatible materials

Amines. Strong oxidizing agents. If Sodium nitrite is used with amines found in certain cutting fluids, potentially carcinogenic nitrosamine compounds may be formed.

### 10.6. Hazardous decomposition products

No additional information available

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity (oral)	: Harmful if swallowed.
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified

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LD50 oral rat	1760 mg/kg
LD50 dermal rabbit	> 5000 mg/kg
ATE US (oral)	1760 mg/kg body weight

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sodium nitrite (7632-00-0)	
LD50 oral rat	180 mg/kg (Rat, Male, Experimental value, Oral)
Skin corrosion/irritation	: Not classified pH: 7.6
Serious eye damage/irritation	: Not classified pH: 7.6
Respiratory or skin sensitization	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified

sodium nitrite (7632-00-0)	
NOAEL (subchronic,oral,animal/male,90 days)	220 mg/kg body weight Animal: mouse, Animal sex: male
NOAEL (subchronic,oral,animal/female,90 days)	165 mg/kg body weight Animal: mouse, Animal sex: female
Aspiration hazard	: Not classified
Viscosity, kinematic	: No data available
Symptoms/effects after inhalation	: None under normal use.
Symptoms/effects after skin contact	: Prolonged or repeated contact may cause skin to become dry.
Symptoms/effects after eye contact	: May cause slight temporary irritation.
Symptoms/effects after ingestion	: Harmful if swallowed. Overexposure to this material may result in methemoglobinemia. Cyanosis may occur (lips and fingernails turn blue). Convulsions. Dizziness, headaches, nausea.
Chronic symptoms	: None known.

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - general : Toxic to aquatic life.

sodium nitrite (7632-00-0)	
LC50 - Fish [1]	0.54 mg/l (96 h, Oncorhynchus mykiss, Flow-through system, Fresh water, Experimental value, Lethal)
EC50 - Crustacea [1]	15.4 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Static system, Fresh water, Experimental value, Locomotor effect)

### 12.2. Persistence and degradability

sodium nitrite (7632-00-0)	
Persistence and degradability	Biodegradable in water.

### 12.3. Bioaccumulative potential

sodium nitrite (7632-00-0)	
Partition coefficient n-octanol/water (Log Pow)	-3.7 (Experimental value, OECD 107: Partition Coefficient (n-octanol/water): Shake Flask Method, 25 °C)
Bioaccumulative potential	Not bioaccumulative.

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### 12.4. Mobility in soil

#### sodium nitrite (7632-00-0)

Surface tension	No data available in the literature
Ecology - soil	No (test)data on mobility of the substance available.

### 12.5. Other adverse effects

No additional information available

## SECTION 13: Disposal considerations

### 13.1. Disposal methods

No additional information available

## SECTION 14: Transport information

In accordance with Department of Transport / Transportation of Dangerous Goods / IMDG / IATA

DOT	TDG	IMDG	IATA
<b>14.1. UN number</b>			
Not regulated for transport			
<b>14.2. Proper Shipping Name</b>			
Not applicable	Not applicable	Not applicable	Not applicable
<b>14.3. Transport hazard class(es)</b>			
Not applicable	Not applicable	Not applicable	Not applicable
<b>14.4. Packing group</b>			
Not applicable	Not applicable	Not applicable	Not applicable
<b>14.5. Environmental hazards</b>			
Not applicable	Not applicable	Not applicable	Not applicable
No supplementary information available			

### 14.6. Special precautions for user

**DOT**  
No data available

**TDG**  
No data available

**IMDG**  
No data available

**IATA**  
No data available

### 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

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### SECTION 15: Regulatory information

#### 15.1. US Federal regulations

All components of this product are present and listed as Active on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

Chemical(s) subject to the reporting requirements of Section 313 or Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372.

sodium nitrite	CAS-No. 7632-00-0	1 – 5%
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#### sodium nitrite (7632-00-0)

EPA TSCA Regulatory Flag	S - S - indicates a substance that is identified in a final Significant New Use Rule.
CERCLA RQ	100 lb

#### 15.2. International regulations

No additional information available

#### 15.3. US State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

Component	State or local regulations
sodium nitrite(7632-00-0)	U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - Pennsylvania - RTK (Right to Know) List

### SECTION 16: Other information

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Full text of H-phrases	
H302	Harmful if swallowed
H401	Toxic to aquatic life

Safety Data Sheet (SDS), USA

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.