

# Safety Data Sheet

acc. to OSHA HCS

Printing date 07/11/2016

Reviewed on 07/11/2016

## 1 Identification

- **Product identifier**
- **Trade name:** BullFrog Rustorer 92309
- **Relevant identified uses of the substance or mixture and uses advised against**  
No further relevant information available.
- **Application of the substance / the mixture**  
Coating  
Corrosion inhibitors
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
  
Cortec Corporation  
4119 White Bear Parkway  
St. Paul, MN 55110 USA  
Phone (651) 429-1100  
Fax (651) 429-1122
- **Information department:** regulatory@cortecvci.com
- **Emergency telephone number:**  
Spill, Leak, Fire, Exposure, or Accident  
24 hour CHEMTREC contact:  
USA and Canada 1-800-424-9300  
International +1 703-527-3887 (collect calls accepted)



## 2 Hazard(s) identification

- **Classification of the substance or mixture**  
The product is not classified according to the Globally Harmonized System (GHS).
- **Label elements**
- **GHS label elements** Void
- **Hazard pictograms** Void
- **Signal word** Void
- **Hazard-determining components of labeling:**  
2-(2-butoxyethoxy)ethanol  
5-nonylsalicylaldehyde oxime
- **Hazard statements** Void
- **Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

## 3 Composition/information on ingredients

- **Chemical characterization: Mixtures**
- **Description:** Mixture of the substances listed below with nonhazardous additions.

- **Dangerous components:**

CAS: 112-34-5 EINECS: 203-961-6	2-(2-butoxyethoxy)ethanol	 Eye Irrit. 2A, H319	≤ 2.5%
CAS: 50849-47-3 EINECS: 256-798-8	5-nonylsalicylaldehyde oxime	 Acute Tox. 3, H301	≤ 2.5%

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### · **Additional information**

In accordance with paragraph (i) of the OSHA Hazard Communication Standard (29 CFR 1910.1200), the specific chemical identity and/or exact percentage composition has been withheld as a trade secret.  
For the wording of the listed hazard phrases refer to section 16.

## 4 First-aid measures

### · **Description of first aid measures**

· **General information** No special measures required.

### · **After inhalation**

Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.  
In case of unconsciousness place patient stably on side position for transportation.

· **After skin contact** Immediately wash with water and soap and rinse thoroughly.

· **After eye contact** Rinse opened eye for several minutes under running water.

· **After swallowing** If symptoms persist consult doctor.

· **Information for doctor** Show this safety data sheet to the doctor in attendance.

### · **Most important symptoms and effects, both acute and delayed**

The symptoms and effects are as expected from the hazards shown in section 2. No specific product related symptoms are known.

### · **Indication of any immediate medical attention and special treatment needed**

No further relevant information available.

## 5 Fire-fighting measures

### · **Extinguishing media**

### · **Suitable extinguishing agents**

CO<sub>2</sub>, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

· **Special hazards arising from the substance or mixture** No further relevant information available.

## 6 Accidental release measures

· **Personal precautions, protective equipment and emergency procedures** Not required.

### · **Environmental precautions:**

Do not allow undiluted product to enter sewers/surface or ground water

Inform respective authorities in case of seepage into water course or sewage system.

### · **Methods and material for containment and cleaning up:**

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Dispose contaminated material as waste according to item 13.

Ensure adequate ventilation.

### · **Reference to other sections**

No dangerous substances are released.

See Section 7 for information on safe handling

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

## 7 Handling and storage

### · **Handling**

### · **Precautions for safe handling**

No special measures required.

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- Ensure good ventilation/exhaustion at the workplace.
- Prevent formation of aerosols.
- **Information about protection against explosions and fires:** No special measures required.
- **Conditions for safe storage, including any incompatibilities**
- **Storage**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:**
  - Do not store together with alkalis (caustic solutions).
  - Store away from foodstuffs.
- **Further information about storage conditions:**
  - Protect from frost.
  - Keep receptacle tightly sealed.
  - Keep product from freezing.
- **Specific end use(s)** No further relevant information available.

### 8 Exposure controls/personal protection

- **Additional information about design of technical systems:** No further data; see item 7.
- **Control parameters**

- **Components with limit values that require monitoring at the workplace:**

<b>112-34-5 2-(2-butoxyethoxy)ethanol (≤ 2.5%)</b>	
TLV (USA)	Long-term value: 67.5* mg/m <sup>3</sup> , 10* ppm
	*Inhalable fraction and vapor

- **Additional information:** The lists that were valid during the creation were used as basis.
- **Exposure controls**
- **Personal protective equipment**
- **General protective and hygienic measures** Keep away from foodstuffs, beverages and feed.
- **Breathing equipment:**
  - Filter A/P2.



Use suitable respiratory protective device in case of insufficient ventilation.

Not necessary if room is well-ventilated.

Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU). To determine the appropriate type of respiratory protection that should be used, a hazard assessment should be performed prior to using the product. Environmental conditions such as ventilation and other contaminants may affect the type of respiratory protection that is chosen.

- **Protection of hands:**
  - Protective gloves
  - The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
  - Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
- **Protective Gloves** I.E., Nitrile, Viton, Neoprene
- **Penetration time of glove material**
  - The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye protection:** Goggles recommended during refilling.

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· **Body protection:** Protective work clothing.

### 9 Physical and chemical properties

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

##### · General Information

##### · Appearance:

· **Form:** Viscous liquid

· **Color:** Whitish

· **Odor:** Characteristic

· **Odor threshold:** Not determined.

· **pH-value at 20 °C (68 °F):** 4-6 (neat)

##### · Change in condition

· **Melting point/Melting range:** undetermined

· **Boiling point/Boiling range:** 100 °C (212 °F) (\*)

· **Flash point:** Not applicable

· **Flammability (solid, gaseous)** Not applicable.

##### · Ignition temperature:

· **Decomposition temperature:** Not determined.

· **Auto igniting:** Product is not selfigniting.

· **Danger of explosion:** Product does not present an explosion hazard.

##### · Explosion limits:

· **Lower:** Not determined.

· **Upper:** Not determined.

· **Vapor pressure at 20 °C (68 °F):** 23 hPa (17 mm Hg) (\*)

· **Density at 20 °C (68 °F):** 1.36-1.44 g/cm<sup>3</sup> (11.349-12.017 lbs/gal)

· **Relative density** Not determined.

· **Vapor density** Not determined.

· **Evaporation rate** Not determined.

##### · Solubility in / Miscibility with

· **Water:** Fully miscible

· **Partition coefficient (n-octanol/water):** Not determined.

##### · Viscosity:

· **dynamic:** Not determined.

· **kinematic:** Not determined.

##### · Other information

The above data are typical values and do not constitute a specification.

\*Properties have been calculated.

### 10 Stability and reactivity

· **Reactivity** No further relevant information available.

· **Chemical stability** Stable under recommended storage conditions

· **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.

· **Possibility of hazardous reactions** No dangerous reactions known

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- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:**  
Hydrogen chloride (HCl)  
Chlorine  
Ammonia  
Carbon monoxide and carbon dioxide  
Nitrogen oxides

## 11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**

- **LD/LC50 values that are relevant for classification:**

### 112-34-5 2-(2-butoxyethoxy)ethanol

Oral	LD50	2410 mg/kg (Rat)
Dermal	LD50	2764 mg/kg (Rabbit)
Inhalative	LC50/4 h	>29 mg/l (Rat)

- **Primary irritant effect:**

- **on the skin:** Repeated or prolonged skin contact with this product may produce skin irritation.
- **on the eye:** May be irritating.

- **Sensitization:** No sensitizing effects known.

- **Additional toxicological information:**

The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:

The product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:

When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

Harmful

- **Carcinogenic categories**

- **IARC (International Agency for Research on Cancer)**

14808-60-7	Quartz (SiO <sub>2</sub> )	1
75-35-4	1,1-dichloroethylene	3
80-62-6	methyl methacrylate	3
75-01-4	vinyl chloride	1
128-37-0	2,6-di-tert-butyl-p-cresol	3

- **NTP (National Toxicology Program)**

14808-60-7	Quartz (SiO <sub>2</sub> )	K
75-01-4	vinyl chloride	K

- **OSHA-Ca (Occupational Safety & Health Administration)**

75-01-4	vinyl chloride	
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## 12 Ecological information

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available.

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- **Persistence and degradability** No further relevant information available.
- **Behavior in environmental systems:**
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Ecotoxicological effects:**
- **Remark:** Harmful to fish
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

### 13 Disposal considerations

- **Waste treatment methods**
- **Recommendation**  
Smaller quantities can be disposed of with household waste.



Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

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

- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.
- **Recommended cleansing agent:** Water, if necessary with cleansing agents.

### 14 Transport information

· <b>UN-Number</b> · DOT, ADR, ADN, IMDG, IATA	Void
· <b>UN proper shipping name</b> · DOT, ADR, ADN, IMDG, IATA	Void
· <b>Transport hazard class(es)</b> · DOT, ADR, ADN, IMDG, IATA · Class	Void
· <b>Packing group</b> · DOT, ADR, IMDG, IATA	Void
· <b>Environmental hazards:</b>	Not applicable.
· <b>Special precautions for user</b> · <b>Stowage Category</b>	Not applicable. A
· <b>Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b>	Not applicable.
· <b>UN "Model Regulation":</b>	Void

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## 15 Regulatory information

· **Safety, health and environmental regulations/legislation specific for the substance or mixture**

· **SARA Section 355 (extremely hazardous substances)**

None of the ingredients is listed.

· **SARA Section 313 (specific toxic chemical listings)**

112-34-5	2-(2-butoxyethoxy)ethanol
84852-15-3	4-nonylphenol, branched
107-21-1	ethane-1,2-diol
75-35-4	1,1-dichloroethylene
80-62-6	methyl methacrylate
75-01-4	vinyl chloride

· **Prop 65 - Chemicals known to cause cancer**

14808-60-7	Quartz (SiO <sub>2</sub> )
75-01-4	vinyl chloride

· **Carcinogenicity categories**

· **EPA (Environmental Protection Agency)**

75-35-4	1,1-dichloroethylene	C, S (inh.), I (oral)
80-62-6	methyl methacrylate	E, NL
75-01-4	vinyl chloride	A, K/L

· **TLV (Threshold Limit Value established by ACGIH)**

107-21-1	ethane-1,2-diol	A4
14808-60-7	Quartz (SiO <sub>2</sub> )	A2
75-35-4	1,1-dichloroethylene	A4
80-62-6	methyl methacrylate	A4
75-01-4	vinyl chloride	A1
128-37-0	2,6-di-tert-butyl-p-cresol	A4

· **MAK (German Maximum Workplace Concentration)**

14808-60-7	Quartz (SiO <sub>2</sub> )	1
75-35-4	1,1-dichloroethylene	3B
75-01-4	vinyl chloride	1
128-37-0	2,6-di-tert-butyl-p-cresol	4

· **NIOSH-Ca (National Institute for Occupational Safety and Health)**

14808-60-7	Quartz (SiO <sub>2</sub> )
75-35-4	1,1-dichloroethylene
75-01-4	vinyl chloride

· **GHS label elements** Void

· **Hazard pictograms** Void

· **Signal word** Void

· **Hazard-determining components of labeling:**

2-(2-butoxyethoxy)ethanol

5-nonylsalicylaldehyde oxime

· **Hazard statements** Void

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- **National regulations**

- **Technical instructions (air):**

Class	Share in %
Wasser	32.3
NK	1.5

- **Water hazard class:** Generally not hazardous for water.
- **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

### 16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.  
Cortec Corporation does not warranty any translation of this SDS not created by Cortec Corporation.

- **Relevant phrases**

H301 Toxic if swallowed.

H319 Causes serious eye irritation.

- **Date of preparation / last revision** 07/11/2016 / -

- **Abbreviations and acronyms:**

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

ICAO: International Civil Aviation Organisation

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

ACGIH: American Conference of Governmental Industrial Hygienists

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

NIOSH: National Institute for Occupational Safety

OSHA: Occupational Safety & Health

Acute Tox. 3: Acute toxicity – Category 3

Eye Irrit. 2A: Serious eye damage/eye irritation – Category 2A