

# Safety Data Sheet

acc. to OSHA HCS

Printing date 01/17/2024

Reviewed on 01/17/2024

## 1 Identification

- **Product identifier**
- **Trade name:** BullFrog 98126 High Shine Wax
- **Application of the substance / the mixture** 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:** compliance@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**



GHS08 Health hazard

Specific Target Organ Toxicity - Repeated Exposure 1 H372 Causes damage to the central nervous system through prolonged or repeated exposure.

- **Label elements**
- **GHS label elements** The product is classified and labeled according to the Globally Harmonized System (GHS).
- **Hazard pictograms**



GHS08

- **Signal word** Danger
- **Hazard-determining components of labeling:**  
stoddard solvent
- **Hazard statements**  
H372 Causes damage to the central nervous system through prolonged or repeated exposure.
- **Precautionary statements**  
P260 Do not breathe dust/fume/gas/mist/vapors/spray.  
P264 Wash thoroughly after handling.  
P270 Do not eat, drink or smoke when using this product.  
P314 Get medical advice/attention if you feel unwell.  
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.
- **Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

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### 3 Composition/information on ingredients

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

- **Dangerous components:**

64742-47-8	Distillates (petroleum), hydrotreated light	25-50%
71750-80-6	Amino-alkoxy dimethylsiloxane	≥0-<10%
8052-41-3	stoddard solvent	≥0-<10%
67-63-0	propan-2-ol	≥0-≤2.5%
69430-37-1	Dimethyl siloxane, HO-term Rxn methyltrimethoxysilane and aminoethylaminopropyltrimethoxysilane	≥0-≤2.5%
67-56-1	Methanol	≥0-≤2.5%

- **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.

The stoddard solvent (CAS 8052-41-3) contains <0.1% benzene, therefore the classification as a carcinogen/mutagen does not apply.

For the wording of the listed hazard phrases refer to section 16.

### 4 First-aid measures

- **Description of first aid measures**
- **After inhalation** Supply fresh air; consult doctor in case of complaints.
- **After skin contact**  
Immediately wash with water and soap and rinse thoroughly.  
If skin irritation continues, consult a doctor.
- **After eye contact** Rinse opened eye for several minutes under running water.
- **After swallowing** Do not induce vomiting. Immediately call a poison center or a doctor/physician.
- **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.  
No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**  
No further relevant information available.

### 5 Fire-fighting measures

- **Extinguishing media**
- **Suitable extinguishing agents** Use fire fighting measures that suit the environment.
- **Special hazards arising from the substance or mixture**  
During heating or in case of fire poisonous gases are produced.
- **Advice for firefighters** Self-contained breathing apparatus
- **Protective equipment:**  
Wear self-contained respiratory protective device.  
Wear fully protective suit.

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### 6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**

Mount respiratory protective device.



Wear protective equipment. Keep unprotected persons away.

Ensure adequate ventilation

- **Environmental precautions:** Do not allow undiluted product to enter sewers/surface or ground water

- **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 section 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**

Store in cool, dry place in tightly closed receptacles.

Ensure good ventilation/exhaustion at the workplace.

Prevent formation of aerosols.

- **Information about protection against explosions and fires:** Keep respiratory protective device available.

- **Conditions for safe storage, including any incompatibilities**

- **Storage**

- **Requirements to be met by storerooms and receptacles:** Provide ventilation for receptacles.

- **Information about storage in one common storage facility:** Store away from foodstuffs.

- **Further information about storage conditions:** Keep product from freezing.

- **Storage class 12**

- **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 section 7.

- **Control parameters**

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

The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit.

At this time, the other constituents have no known exposure limits.

64742-47-8 Distillates (petroleum), hydrotreated light (25-50 %)	
RCP-TWA	Long-term value: 1200 mg/m <sup>3</sup> Total Hydrocarbons

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**92704-41-1 Kaoline (Calcined) (2.5-10%)**

TWA-ACGIH	Long-term value: 2 mg/m <sup>3</sup> respirable fraction
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TWA-OSHA	Long-term value: 5 mg/m <sup>3</sup> respirable fraction
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**8052-41-3 stoddard solvent (≥2.5-<10%)**

PEL	Long-term value: 2900 mg/m <sup>3</sup> , 500 ppm
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REL	Long-term value: 350 mg/m <sup>3</sup> Ceiling limit value: 1800* mg/m <sup>3</sup> *15-min
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TLV	Long-term value: 100 ppm
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**67-63-0 propan-2-ol (≤2.5%)**

PEL	Long-term value: 980 mg/m <sup>3</sup> , 400 ppm
-----	--

REL	Short-term value: 1225 mg/m <sup>3</sup> , 500 ppm Long-term value: 980 mg/m <sup>3</sup> , 400 ppm
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TLV	Short-term value: 400 ppm Long-term value: 200 ppm BEI, A4
-----	--

**67-56-1 Methanol (≤2.5%)**

PEL	Long-term value: 260 mg/m <sup>3</sup> , 200 ppm
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REL	Short-term value: 325 mg/m <sup>3</sup> , 250 ppm Long-term value: 260 mg/m <sup>3</sup> , 200 ppm Skin
-----	---

TLV	Short-term value: 250 ppm Long-term value: 200 ppm Skin; BEI
-----	--

**· Ingredients with biological limit values:**
**67-63-0 propan-2-ol (≤2.5%)**

BEI	40 mg/L Medium: urine Time: end of shift at end of workweek Parameter: Acetone (background, nonspecific)
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**67-56-1 Methanol (≤2.5%)**

BEI	15 mg/L Medium: urine Time: end of shift Parameter: Methanol (background, nonspecific)
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- **Additional information:** The lists that were valid during the creation were used as basis.
- **Exposure controls** Use local exhaust ventilation to control airborne concentrations below exposure limits.
- **Personal protective equipment**
- **General protective and hygienic measures**  
Wash hands before breaks and at the end of work.  
Store protective clothing separately.
- **Breathing equipment:**



Use suitable respiratory protective device in case of insufficient ventilation.

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Suitable respiratory protective device recommended.

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

- **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.

- **Protective Gloves I.E.**, Nitrile, Viton, Neoprene

- **Eye protection:** Goggles recommended during refilling.

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

## 9 Physical and chemical properties

- **Information on basic physical and chemical properties**

- **General Information**

- **Appearance:**

**Form:** Viscous

**Color:** Whitish

- **Odor:** Characteristic

- **Odor threshold:** Not determined.

- **pH-value:** Not determined.

- **Change in condition**

**Melting point/Melting range:** undetermined

**Boiling point/Boiling range:** >82 °C (>179.6 °F) (\*)

- **Flash point:** Not applicable

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

- **Auto igniting:** 210 °C (410 °F) (\*)

- **Decomposition temperature:** Not determined.

- **Ignition temperature:** Product is not selfigniting.

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

- **Explosion limits:**

**Lower:** 0.5 Vol % (\*)

**Upper:** 6.5 Vol % (\*)

- **Vapor pressure at 20 °C (68 °F):** 23 hPa (17.3 mm Hg) (\*)

- **Density at 20 °C (68 °F):** 0.96-0.97 g/cm<sup>3</sup> (8.01-8.09 lbs/gal)

- **Relative density** Not determined.

- **Vapor density** Not determined.

- **Evaporation rate** Not determined.

- **Solubility in / Miscibility with**

**Water:** Partly miscible

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- **Partition coefficient (n-octanol/water):** Not determined.
- **Viscosity:**
  - dynamic:** Not determined.
  - kinematic at 20 °C (68 °F):** 20,734 mm<sup>2</sup>/s
- **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
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:**
  - Sulfur oxides (SO<sub>x</sub>)
  - Nitrogen oxides

### 11 Toxicological information

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

#### · **LD/LC50 values that are relevant for classification:**

##### **64742-47-8 Distillates (petroleum), hydrotreated light**

Oral	LD50	>5,000 mg/kg (rat)
Dermal	LD50	>2,000 mg/kg (rabbit)

##### **8052-41-3 stoddard solvent**

Oral	LD50	>5,000 mg/kg (rat)
Dermal	LD50	>5,000 mg/kg (rat)
Inhalative	LC50/4 h	>5.5 mg/l (rat) (4 hours)

##### **67-63-0 propan-2-ol**

Oral	LD50	1,509 mg/kg (mouse) 5,030 mg/kg (rabbit) 4,570 mg/kg (rat)
Dermal	LD50	13,400 mg/kg (rabbit)
Inhalative	LC50/4 h	30 mg/l (rat)

##### **67-56-1 Methanol**

Oral	LD50	14,200 mg/kg (rabbit) 13,000 mg/kg (rat)
Dermal	LD50	15,800 mg/kg (rabbit)
Inhalative	LD50/ 4 h	64,000 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.

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- **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:

IARC's Monograph number 93 reports sufficient evidence of carcinogenicity in experimental rats exposed to titanium dioxide but inadequate evidence for carcinogenicity in humans and has assigned a Group 2B rating. In addition, the IARC summary concludes, "No significant exposure to titanium dioxide is thought to occur during the use of products in which titanium is bound to other materials, such as in paints."

- **Carcinogenic categories**

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

67-63-0	propan-2-ol	3
13463-67-7	titanium dioxide	2B
111-42-2	2,2'-iminodiethanol	2B
98-82-8	isopropylbenzene	2B
100-41-4	ethylbenzene	2B

- **NTP (National Toxicology Program)**

98-82-8	isopropylbenzene	R
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- **OSHA-Ca (Occupational Safety & Health Administration)**

None of the ingredients is listed.

## 12 Ecological information

- **Toxicity**

- **Aquatic toxicity:**

**64742-47-8 Distillates (petroleum), hydrotreated light**

Oral	LL50	25 mg/l (Oncorhynchus mykiss (rainbow trout)) (96 hours)
	LC50	2.9 mg/l (Oncorhynchus mykiss (rainbow trout)) (96 hours)

**8052-41-3 stoddard solvent**

	EC50	1.4 mg/l (Daphnia magna) (48 Hours)
		1.2 mg/l (Green Algae) (72 Hours)

**69430-37-1 Dimethyl siloxane, HO-term Rxn methyltrimethoxysilane and aminoethylaminopropyltrimethoxysilane**

	EC50	>0.1-1 mg/l (Daphnia) (48 Hours)
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**67-56-1 Methanol**

	LC50/3 h	48,000 mg/l (Daphnia pulex)
	LC50/ 96 h	4,820 mg/l (Moina micrura (water flea))
	LC50/72 h	17,720 mg/l (Leopmis machrochirus (Bluegill))

- **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.

- **Results of PBT and vPvB assessment**

- **PBT:** Not applicable.

- **vPvB:** Not applicable.

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· **Other adverse effects** No further relevant information available.

### 13 Disposal considerations

- **Waste treatment methods**
- **Recommendation** 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

- **UN-Number**
- **DOT, ADR, ADN, IMDG, IATA** not classified as dangerous goods
- **UN proper shipping name**
- **DOT, ADR, ADN, IMDG, IATA** not classified as dangerous goods
- **Transport hazard class(es)**
- **DOT, ADR, ADN, IMDG, IATA**
- **Class** not classified as dangerous goods
- **Packing group** Not applicable
- **DOT, ADR, IMDG, IATA** not classified as dangerous goods
- **Environmental hazards:** Not applicable.
- **Special precautions for user** Not applicable.
- **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code** Not applicable.
- **UN "Model Regulation":** not classified as dangerous goods

### 15 Regulatory information

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

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

None of the ingredients is listed.

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

67-63-0 propan-2-ol

67-56-1 Methanol

111-42-2 2,2'-iminodiethanol

98-82-8 isopropylbenzene

100-41-4 ethylbenzene

- **TSCA (Toxic Substances Control Act): (All ingredients are listed.)**

· **Hazardous Air Pollutants**

67-56-1 Methanol

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111-42-2	2,2'-iminodiethanol
98-82-8	isopropylbenzene
100-41-4	ethylbenzene

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

titanium dioxide
2,2'-iminodiethanol
isopropylbenzene
ethylbenzene

**· Chemicals known to cause reproductive toxicity for females**

None of the ingredients is listed.

**· Chemicals known to cause reproductive toxicity for males**

None of the ingredients is listed.

**· Chemicals known to cause developmental toxicity**

67-56-1	Methanol
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**· Cancerogenity categories**
**· EPA (Environmental Protection Agency)**

98-82-8	isopropylbenzene	D, CBD
100-41-4	ethylbenzene	D

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

13463-67-7	titanium dioxide
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**· Canadian Domestic Substances List (DSL): (Substances not listed)**

Organoclay

**· Canadian Non-Domestic Substances List (NDSL): (Substances not listed)**

None of the ingredients is listed.

**· Philippines Inventory of Chemicals and Chemical Substances: (Substances not listed)**

Organoclay

**· Chinese Chemical Inventory of Existing Chemical Substances: (Substances not listed)**

Organoclay

**· Australian Inventory of Chemical Substances: (Substances not listed)**

92704-41-1	Kaoline (Calcined)
	Organoclay

**· New Zealand Inventory of Chemicals: (Substances not listed)**

Organoclay

**· Existing Chemical Substances**

propan-2-ol	2-207
Methanol	2-201

**· GHS label elements** The product is classified and labeled according to the Globally Harmonized System (GHS).

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· **Hazard pictograms**



GHS08

· **Signal word** Danger

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

stoddard solvent

· **Hazard statements**

H372 Causes damage to the central nervous system through prolonged or repeated exposure.

· **Precautionary statements**

P260 Do not breathe dust/fume/gas/mist/vapors/spray.

P264 Wash thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

P314 Get medical advice/attention if you feel unwell.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

· **National regulations**

· **Information about limitation of use:**

Workers are not allowed to be exposed to the hazardous carcinogenic materials contained in this preparation.

Exceptions can be made by the authorities in certain cases.

· **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.

· **Date of preparation / last revision** 01/17/2024

· **Abbreviations and acronyms:**

ICAO: International Civil Aviation Organisation

ADR: Accord relatif au transport international 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

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 &amp; Health

TLV: Threshold Limit Value

PEL: Permissible Exposure Limit

REL: Recommended Exposure Limit

BEI: Biological Exposure Limit

Specific Target Organ Toxicity - Repeated Exposure 1: Specific target organ toxicity (repeated exposure) – Category 1

· **\* Data compared to the previous version altered.**