Safety Data Sheet
acc. to OSHA HCS

Printing date 06/12/2018 Reviewed on 06/12/2018

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

STOT RE 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**
Causes damage to the central nervous system through prolonged or repeated exposure.
· **Precautionary statements**
Do not breathe dust/fume/gas/mist/vapors/spray.
Wash thoroughly after handling.
Do not eat, drink or smoke when using this product.
Get medical advice/attention if you feel unwell.
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:**		
CAS: 64742-47-8 EINECS: 265-149-8	Distillates (petroleum), hydrotreated light Asp. Tox. 1, H304	25-50%
CAS: 71750-80-6 EC number: 615-337-4	Amino-alkoxy dimethylsiloxane Eye Irrit. 2A, H319	≥0.1-<10%
CAS: 8052-41-3 EINECS: 232-489-3	Stoddard solvent Acute Tox. 3, H331; STOT RE 1, H372; Asp. Tox. 1, H304	≥0.1-<10%
CAS: 67-63-0 EINECS: 200-661-7	propan-2-ol Flam. Liq. 2, H225; Acute Tox. 4, H302; Eye Irrit. 2A, H319; STOT SE 3, H336	≥0.1-≤2.5%
CAS: 69430-37-1 EC number: 628-867-6	Dimethyl siloxane, HO-term Rxn methyltrimethoxysilane and aminoethylaminopropyltrimethoxysilane Skin Irrit. 2, H315; Eye Irrit. 2B, H320	≥0.1-≤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.
· **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** No further relevant information available.
· **Advice for firefighters** Self-contained breathing apparatus

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· **Protective equipment:**
Wear self-contained respiratory protective device.
Wear fully protective suit.

6 Accidental release measures

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

Wear protective equipment. Keep unprotected persons away.

· **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 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** Ensure good ventilation/exhaustion at the workplace.
· **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:** 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 item 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/m³ Total Hydrocarbons

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92704-41-1 Kaoline (Calcined) (≥2.5-<10%)	
TWA-ACGIH	Long-term value: 2 mg/m³ respirable fraction
TWA-OSHA	Long-term value: 5 mg/m³ respirable fraction
8052-41-3 Stoddard solvent (≥2.5-<10%)	
PEL	Long-term value: 2900 mg/m³, 500 ppm
REL	Long-term value: 350 mg/m³ Ceiling limit value: 1800* mg/m³ *15-min
TLV	Long-term value: 525 mg/m³, 100 ppm
67-63-0 propan-2-ol (≥0.1-≤2.5%)	
PEL	Long-term value: 980 mg/m³, 400 ppm
REL	Short-term value: 1225 mg/m³, 500 ppm Long-term value: 980 mg/m³, 400 ppm
TLV	Short-term value: 984 mg/m³, 400 ppm Long-term value: 492 mg/m³, 200 ppm BEI

· **Ingredients with biological limit values:**	
67-63-0 propan-2-ol (≥0.1-≤2.5%)	
BEI	40 mg/L Medium: urine Time: end of shift at end of workweek Parameter: Acetone (background, nonspecific)

· **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**
Keep away from foodstuffs, beverages and feed.
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.

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

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· **Eye protection:** Goggles recommended during refilling.
· **Body protection:** Protective work clothing.

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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.
· **Ignition temperature:**	210 °C (410 °F) (*)
· **Decomposition temperature:**	Not determined.
· **Auto igniting:**	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):**	1 g/cm³ (8.3 lbs/gal)
· **Relative density**	Not determined.
· **Vapor density**	Not determined.
· **Evaporation rate**	Not determined.
· **Solubility in / Miscibility with**	
Water:	Partly miscible
· **Partition coefficient (n-octanol/water):**	Not determined.
· **Viscosity:**	
dynamic:	Not determined.
kinematic at 20 °C (68 °F):	20,734 mm²/s
· **Solvent content:**	
Organic solvents:	≥1.1-≤1.5 %
Water:	53.0 %
VOC Content:	≥1.12-≤1.54 % ≥10.8-≤14.9 g/l / ≥0.09-≤0.12 lb/gl
Solids content:	12.8 %

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· **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 (SOx)
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)

· **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:
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."

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· **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

· **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)

· **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.
· **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.

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14 Transport information

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

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) (Substances not listed)**

Organoclay

· **Proposition 65**

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

13463-67-7	titanium dioxide
111-42-2	2,2'-iminodiethanol
98-82-8	isopropylbenzene
100-41-4	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.

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· **Chemicals known to cause developmental toxicity**	
67-56-1	Methanol

· **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

· **Canadian Domestic Substances List (DSL) (Substances not listed)**
Organoclay

· **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)**
Organoclay

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

· **Existing Chemical Substances (Substances not listed)**
Distillates (petroleum), hydrotreated light
Amino-alkoxy dimethylsiloxane
Stoddard solvent
Dimethyl siloxane, HO-term Rxn methyltrimethoxysilane
and aminoethylaminopropyltrimethoxysilane
Tall oil diethanolamide
Organoclay

· **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**
Causes damage to the central nervous system through prolonged or repeated exposure.
· **Precautionary statements**
Do not breathe dust/fume/gas/mist/vapors/spray.
Wash thoroughly after handling.
Do not eat, drink or smoke when using this product.
Get medical advice/attention if you feel unwell.
Dispose of contents/container in accordance with local/regional/national/international regulations.

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· **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.

· **Technical instructions (air):**

Class	Share in %
Wasser	50-100
I	≥0.1-≤2.5
NK	≥0.1-≤2.5

· **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** 06/12/2018 / -

· **Abbreviations and acronyms:**
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
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)
VOC: Volatile Organic Compounds (USA, EU)
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
TLV: Threshold Limit Value
PEL: Permissible Exposure Limit
REL: Recommended Exposure Limit
BEI: Biological Exposure Limit
Flam. Liq. 2: Flammable liquids – Category 2
Acute Tox. 4: Acute toxicity – Category 4
Acute Tox. 3: Acute toxicity – Category 3
Skin Irrit. 2: Skin corrosion/irritation – Category 2
Eye Irrit. 2A: Serious eye damage/eye irritation – Category 2A
Eye Irrit. 2B: Serious eye damage/eye irritation – Category 2B
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
STOT RE 1: Specific target organ toxicity (repeated exposure) – Category 1
Asp. Tox. 1: Aspiration hazard – Category 1

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