

# SAFETY DATA SHEET

# ISK BIOCIDES, INC.

## SECTION 1: Identification

**Product identifier:** Woodguard® Iron Gray.  
**Other means of identification:** None known.  
**SDS number:** ISK029.  
**Recommended use:** Oil-Based Exterior Wood Preservative & Finish.  
**Recommended restrictions:** None known.  
**Manufacturer/Importer/Supplier/Distributor information:**  
**Company name:** ISK Biocides, Inc.  
**Address:** 416 East Brooks Road,  
Memphis.  
TN 38109.  
**Telephone:** Office hours (Mon – Fri)  
7:00 – 4:30pm (Central time).  
(901) 344-5350 or (800) 248-7961.  
**Contact Person:** Anthony Accampo or Gail Watson  
**E-mail:** SDSInquiry@iskbiocides.com  
**Emergency phone number:** Chemtrec (800) 424-9300 (24 hours).

## SECTION 2: Hazard(s) identification

**Classification of the chemical in accordance with paragraph (d) of §1910.1200:**

***Physical hazards:***

No physical hazards for this product.

***Health hazards:***

Skin corrosion/irritation, Category 2.  
Eye damage/irritation, Category 2B.  
Carcinogenicity, Category 2.  
Reproductive toxicity Category 2.

***Environmental hazards:***

Aquatic Acute Toxicity Category 1.  
Aquatic Chronic Toxicity Category 1.

**Signal word:** Warning.

**Hazard statement(s):** Causes skin irritation.  
Causes eye irritation.  
Suspected of causing cancer.  
Suspected of damaging fertility or the unborn child.  
Very toxic to aquatic life.  
Very toxic to aquatic life with long lasting effects.

**Hazard symbol(s):**



**Precautionary statement(s):**

**Prevention:**

Obtain special instructions before use.  
Do not handle until all safety precautions have been read and understood.  
Wash hands thoroughly after handling.  
Avoid release to the environment.  
Wear protective gloves.

**Response:**

IF ON SKIN: Wash with plenty of soap and water.  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.  
If skin irritation occurs: Get medical advice/attention.  
If eye irritation persists: Get medical advice/attention.  
If exposed or concerned: Get medical advice/attention.  
Take off contaminated clothing and wash before reuse.  
Collect spillage.

**Storage:**

None.

**Disposal:**

Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations.

**Hazard(s) not otherwise Classified (HNOC):**

None known.

**Percentage of ingredient(s) of unknown acute toxicity:**

19% of the mixture consists of ingredients of unknown acute toxicity (oral/inhalation).  
20% of the mixture consists of ingredients of unknown acute toxicity (dermal).

**SECTION 3: Composition/information on ingredients**

**Mixture:**

Chemical name	Concentration (weight %)	CAS#
Proprietary UV Inhibitor	< 5%	Proprietary
Copper-8-Quinolinolate	<5%	10380-28-6

Proprietary Solvent	10 – 30%	Proprietary
Titanium Dioxide	< 5%	13463-67-7

The specific chemical identity and/or exact percentage (concentrate) of composition has been withheld under trade secret rights.

#### SECTION 4: First-aid Measures

**Inhalation:** Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.

**Skin contact:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 – 20 minutes. Call a poison control center or doctor for treatment advice.

**Eye contact:** Hold eye open and rinse slowly and gently with water for 15 – 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

**Ingestion:** Immediately call a poison control center or doctor. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give any liquid to the person. Do not give anything by mouth to an unconscious person.

**Most important symptoms/effects, acute and delayed:** Mildly irritating to eyes. Moderately irritating to skin.

**Indication of immediate medical attention and special treatment needed:** If any symptoms described above are noted, contact a physician and give them this SDS sheet.

#### SECTION 5: Fire-fighting measures

**Suitable extinguishing media:** Foam, carbon dioxide, dry chemical.

**Unsuitable extinguishing media:** None known.

**Specific hazards arising from the chemical:**

*Hazardous combustion products may include:* Carbon monoxide, carbon dioxide.

**Special protective equipment and precautions for fire-fighters:** Wear MSHA/NIOSH-approved, self-contained breathing apparatus and full protective clothing. Cool exposed containers with water.

#### SECTION 6: Accidental release measures

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

Use personal protective equipment. Ensure adequate ventilation. For personal protection see section 8. This product is toxic to fish. DO NOT apply directly to water, to areas where

surface water is present or to intertidal areas below the mean high water mark. DO NOT contaminate water when disposing of equipment washwaters.

**Methods and materials for containment and cleaning up:**

**SMALL SPILL:** Wear appropriate protective clothing (see Section 8). Recover free liquid. Absorb remainder with sand or clay and place in a waste receptacle.

**LARGE SPILL:** Wear appropriate protective clothing (see Section 8). Eliminate all ignition sources. Restrict access to contaminated area. Stop spill at source. Dike to prevent spreading. Pump liquid to a recovery vessel. Absorb remainder of material with sand or clay and place in a properly labeled waste receptacle. Follow all local, state, and federal regulations for disposal. Do not contaminate water while cleaning equipment or disposing of wastes. Prohibit contamination of streams, lakes, or other bodies of water.

**SECTION 7: Handling and Storage**

**Precautions for safe handling:** Observe good personal hygiene practices. Change protective gloves/clothing when signs of contamination appear. Keep out of reach of children.

**Conditions for safe storage, including any incompatibles:** Store away from food or feed in a secure, well-ventilated area protected from extreme temperatures. Do not transfer to an unmarked container. Keep container closed when not in use. Do not store or use in vicinity of sparks, open flame, or other ignition sources.

**SECTION 8: Exposure controls/personal protection**

**Control Parameters:**

**Occupational exposure limits:**

<b>US OSHA HAZARDOUS COMPONENTS (29 CFR 1910.1200): Permissible Exposure Limits</b>		
<b>Substance</b>	<b>PEL-TWA (8 hour)</b>	<b>PEL-STEL (15 min)</b>
Proprietary UV Inhibitor	15 mg/m <sup>3</sup>	None available
Copper-8-Quinolinolate	None available	None available
Proprietary Solvent	None available	None available
Titanium Dioxide	15 mg/m <sup>3</sup>	None available

<b>ACGIH Threshold Limit Values</b>		
<b>Substance</b>	<b>TLV-TWA (8 hour)</b>	<b>TLV-STEL (15 min)</b>
Proprietary UV Inhibitor	10 mg/m <sup>3</sup>	None available
Copper-8-Quinolinolate	None available	None available
Proprietary Solvent	None available	None available
Titanium Dioxide	10 mg/m <sup>3</sup>	None available

**Other Exposure Limits:** None known.

**Appropriate engineering controls:** Ventilate via mechanical methods (general or local exhaust) to maintain exposure below TLV(s), if applicable. Good industrial hygiene practice dictates that indoor work areas should be isolated and provided with adequate local exhaust ventilation.

**Individual protection measures, such as personal protective equipment:**

**Eye/face protection:** Wear chemical splash goggles and/or face shield during mixing and when exposed to mist.

**Skin and Hand protection:** Wear rubber gloves when handling, using, or applying this product. Special precautions should be taken to ensure that material cannot get inside gloves.

**Respiratory protection:** None normally required if good ventilation is maintained. If mist is generated during application process, use a disposable mist respirator.

**Other:** None normally required. Use as necessary to prevent exposure. Wash thoroughly if product is in contact with skin. Wear appropriate clothing.

**Thermal hazards:** None known.

## **SECTION 9: Physical and chemical properties**

**Appearance:**

**Physical state:** Liquid.  
**Form:** Gray liquid.  
**Color:** Gray.

**Odor:** Slight petroleum distillate.

**Odor threshold:** Not available.

**pH:** 5.5 – 6.0.

**Melting point/freezing point:** Not known.

<b>Initial Boiling point/Boiling Range:</b>	Not applicable.
<b>Flash point:</b>	> 110 °C.
<b>Evaporation rate:</b>	< 1 (nBuAC=1).
<b>Flammability (solid, gas):</b>	Not available.
<b>Upper/lower flammability or explosive limits:</b>	
<b>Flammability limit – lower:</b>	Not Determined.
<b>Flammability limit – upper:</b>	Not Determined.
<b>Explosive limit – lower:</b>	Not Determined.
<b>Explosive limit – upper:</b>	Not Determined.
<b>Vapor pressure:</b>	< 1 mm Hg.
<b>Vapor density:</b>	> 1 (Air=1).
<b>Relative density (Specific gravity):</b>	0.914.
<b>Solubilities (water, other):</b>	Negligible.
<b>Partition coefficient (n-octanol/water):</b>	Not available.
<b>Auto-ignition temperature:</b>	Not known.
<b>Decomposition temperature:</b>	Not available.
<b>Viscosity:</b>	1 -500 cPs Brookfield #2 @ 20 rpm at 70°F.
<b>Other information:</b>	
<b>Bulk density:</b>	7.61 lbs per gal (weight per gallon cup).
<b>VOC:</b>	108 g/L – 0.90 lbs/gal

## SECTION 10: Stability and Reactivity

**Reactivity:** No data available.

**Chemical stability:** This material is stable under normal handling and storage conditions.

**Possibility of hazardous reactions:** Material is not known to polymerize.

**Conditions to avoid:** None known.

**Incompatible materials:** Strong oxidants agents.

**Hazardous decomposition Products:** Carbon monoxide, Carbon dioxide.

## SECTION 11: Toxicological information

**Information on likely routes of exposure:**

**Inhalation:** None normally expected.

**Ingestion:** None normally expected.

**Skin:** Skin Irritation: Moderately irritating. Not a skin sensitizer.

**Eye:** Eye Irritation: Mildly irritating.

**Symptoms related to the physical, chemical, and toxicological characteristics:** None known.

**Delayed and immediate effects and chronic effects from short or long-term exposure:** None known.

**Acute toxicity:**

**Ingredient Information:**

Substance	Test Type (species)	Value
Proprietary UV Inhibitor	LD50 Oral (Rat)	> 10000 mg/kg
	LD50 Dermal (Rabbit)	> 10000 mg/kg
	LC50 Inhalation, (Rat)	None known
Copper-8-Quinolinolate	LD <sub>50</sub> Oral (Rat)	9930 mg/kg
	LD <sub>50</sub> Dermal (Rabbit)	> 2000 mg/kg
	LC <sub>50</sub> Inhalation (Rat)	820 mg/m <sup>3</sup>
Proprietary Solvent	LD <sub>50</sub> Oral (Rat)	5660 mg/kg
	LD <sub>50</sub> Dermal (Rabbit)	2520 mg/kg
	LC <sub>50</sub> Inhalation (Rat)	Not available
Titanium Dioxide	LD50 Oral (Rat)	> 10000 mg/kg
	LD50 Dermal (Rabbit)	> 10000 mg/kg
	LC50 Inhalation, (Rat)	None known

**Product Acute Toxicity Estimates:**

Oral: Rat - LD<sub>50</sub> – > 5000 mg/kg.

Dermal: Rabbit - LD<sub>50</sub> – > 2000 mg/kg.

Inhalation: Rat - LC<sub>50</sub> – > 2.12 mg/L.

**Skin corrosion/irritation:** Based upon information available on the known components, the product may cause moderate skin irritation.

**Serious eye damage/eye irritation:** Based upon information available on the known components, the product may cause mild eye irritation.

**Respiratory sensitization:** Based upon information available on the known components, the product is not anticipated to cause respiratory sensitization.

**Skin sensitization:** Based upon information available on the known components, the product is not anticipated to cause skin sensitization.

**Germ cell mutagenicity:** Based upon information available on the known components, the product is not anticipated to be a mutagen.

**Carcinogenicity:** Based upon information available on the known components, the product contains components that are suspected to be carcinogenic when present as a dust.

**Reproductive toxicity:** Based upon information available on the known components, the product contains a component that is suspected of damaging fertility or the unborn child.

**Specific target organ toxicity-  
Single exposure:** Based upon information available on the known components, the product is not anticipated to cause specific target organ toxicity after a single exposure.

**Specific target organ toxicity-  
Repeat exposure:** Based upon information available on the known components, the product is not anticipated to cause specific target organ toxicity after repeated or prolonged exposure.

**Aspiration hazard:** Based upon information available on the known components, the product is not anticipated to be an aspiration hazard.

**Further information:** Not available.

## SECTION 12: Ecological information

### Ecotoxicity

**Product data:** No data available.

#### Ingredient Information:

Substance	Test Type	Species	Value
Proprietary UV Inhibitor	LC <sub>50</sub> other fish	Fish	> 1000 mg/l – 96h
	EC <sub>50</sub> Daphnia magna (Water flea)	Invertebrate	> 1000 mg/l – 48h
	LC <sub>50</sub>	Algae	None available
Copper-8-Quinolinolate	LC <sub>50</sub> Oncorhynchus mykiss (rainbow trout)	Fish	140ug/L – 48h
	EC <sub>50</sub> Daphnia magna (Water flea)	Invertebrate	163 ppb – 48h
	LC <sub>50</sub>	Algae	Not available
Proprietary Solvent	LC <sub>50</sub> Oncorhynchus mykiss (rainbow trout)	Fish	> 0.1 mg/l
	EC <sub>50</sub>	Invertebrate	Not available
	EC <sub>50</sub> Bacteria	Bacteria	> 1 mg/l (3hr)



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Titanium Dioxide	LC <sub>50</sub> other fish	Fish	> 1000 mg/l – 96h
	EC <sub>50</sub> Daphnia magna (Water flea)	Invertebrate	> 1000 mg/l – 48h
	LC <sub>50</sub>	Algae	None available

**Persistence and degradability:** Not available.  
**Bioaccumulative potential:** Not available.  
**Mobility in soil:** Not available.  
**Mobility in general:** Not available.  
**Other adverse effects:** This product is toxic to fish.

### SECTION 13: Disposal considerations

#### Disposal instructions:

Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations.

### SECTION 14: Transport Information

**DOT:** Not regulated.  
**IATA:** Not regulated.  
**IMDG:** Not regulated.

**Special precautions during transport:** Not available.

**Bill of lading classification:** Preservatives, wood, n.o.i. NMFC 161490 sub 2

### SECTION 15: Regulatory Information

#### USA:

##### FIFRA: Pesticide Registration:

This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals.

Following is the hazard information as required on the pesticide label:

#### CAUTION

Harmful if swallowed.  
This pesticide is toxic to fish.

**United States Federal Regulations:** SDS complies with the OSHA, 29 CFR 1910.1200.

**SARA Superfund and Reauthorization Act of 1986 Title III sections 302, 311,312 and 313:** The following components are subject to reporting levels established by SARA Title III, Section 302: None.

**CERCLA/Superfund, 40 CFR 117, 302:** Not listed.

<b>CHEMICAL</b>	<b>C.A.S. Number</b>	<b>Weight %</b>	<b>Section 311/312</b>
Proprietary UV Inhibitor	Proprietary	< 5%	Chronic Health Hazard.
Copper-8-Quinolinolate	10380-28-6	< 5%	Fire Hazard.
Proprietary Solvent	Proprietary	10 – 30%	Acute health hazard, Chronic health hazard.
Titanium dioxide	13463-67-7	< 5%	Chronic Health Hazard

**Section 313 – List of Toxic Chemicals (40CFC 372):** This product contains the following components (at level of 1% or greater) found on the 313 list of Toxic Chemicals. None.

**Toxic Substance Control Act (TSCA):** All substances are TSCA listed.

**Federal Water Pollution Control Act, Clean Water Act, 40 CFR 401.15 (formerly section 307) 40 CFR 116 (formerly section 311):** This product does not contain listed chemicals.

**STATE REGULATIONS:**

This SDS contains specific health and safety data is applicable for state requirements. For details on your regulatory requirements you should contact the appropriate agency in your state.

**California Proposition 65:** WARNING: This product also contains a chemical known to the State of California to cause cancer: Titanium dioxide (airborne, unbound particles of respirable size).

**New Jersey Right to Know:** The following components are listed on the New Jersey Right to Know list: Copper 8-Quinolinolate (listed under copper compounds), Titanium dioxide (airborne, unbound particles of respirable size).

**Pennsylvania Right to Know:** The following components are listed on the Pennsylvania Right to Know list: Titanium dioxide (airborne, unbound particles of respirable size).

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## INTERNATIONAL REGULATIONS:

**Canadian Regulations** CLASS D2A. Very Toxic Material Causing Other Toxic Effects.

**Canadian Controlled Products Regulations (WHMIS):** This product has been classified in accordance with the hazard criteria of the *Controlled Products Regulations* and the SDS contains all the information required by the *Controlled Products Regulations*.

## SECTION 16: Other Information

Revision Date: April 30, 2021

The information in this Safety Data Sheet is provided in good faith and is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance and is not to be considered a warranty or quality specification. User is responsible to evaluate all available information when using product for any particular use, including, if necessary, conducting any tests needed to determine the suitability of the product for a particular use. User is also responsible for compliance with all Federal, State, Provincial and Local laws and regulations. ISK Biocides, Inc. assumes no responsibility for injury, damage or loss resulting from the use of the material. NO REPRESENTATIONS OR WARRANTIES, EITHER EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR OF ANY OTHER NATURE, INCLUDING THAT THE INFORMATION OR PRODUCT MAY BE USED WITHOUT INFRINGING THE INTELLECTUAL PROPERTY RIGHTS OF OTHERS, ARE MADE HEREUNDER WITH RESPECT TO THE INFORMATION OR THE PRODUCT TO WHICH THE INFORMATION REFERS.

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