

# Safety Data Sheet

## 1. Identification

|                             |                                                                                                                     |
|-----------------------------|---------------------------------------------------------------------------------------------------------------------|
| Product Information.        | 19080                                                                                                               |
| Product Name:               | End Shield                                                                                                          |
| Recommended Use.            | Water repellent                                                                                                     |
| Uses advised against.       | No information available                                                                                            |
| Supplier.                   | Kop-Coat, Inc.<br>dba Kop-Coat Protection Products<br>3040 William Pitt Way<br>Pittsburgh, PA 15238<br>412-227-2700 |
| Emergency telephone number. | Chemtrec: +1-800-424-9300 USA<br>Chemtrec: +1-703-527-3887 ex-USA                                                   |

## 2. Hazards Identification

GHS Classification in accordance with 29 CFR 1910.1200

Carcinogenicity, category 2

Skin Sensitizer, category 1

GHS Pictograms



Signal Word

Warning

Unknown Acute Toxicity

< 0.1% of the mixture consists of ingredient(s) of unknown acute toxicity

### HAZARD STATEMENTS

May cause an allergic skin reaction.

Suspected of causing cancer.

### Precautionary Statements - Prevention.

Obtain special instructions before use.

Do not handle until all safety precautions have been read and understood.

Wear protective gloves, protective clothing, eye protection, face protection

### Precautionary Statements - Response.

If on skin: Wash with plenty of water.

If exposed or concerned: Get medical advice/attention.

If skin irritation or rash occurs: Get medical advice/attention.

### Precautionary Statements - Storage.

Store locked up.

### Precautionary Statements - Disposal.

Dispose of contents in accordance with local, regional, national, international regulations.

## 3. Composition/Information on Ingredients

| <u>Chemical Name</u>        | <u>CAS-No.</u> | <u>Wt. %</u> |
|-----------------------------|----------------|--------------|
| 2-Octyl-3(2H)-isothiazolone | 26530-20-1     | 0.1-1.0      |
| Chlorothalonil              | 1897-45-6      | 0.1-1.0      |

The exact percentage (concentration) of composition has been withheld as a trade secret.

## 4. First-aid Measures

### Description of first-aid measures.

#### **General advice.**

Show this safety data sheet to the doctor in attendance. When symptoms persist or in all cases of doubt seek medical advice.

#### **Inhalation.**

Move to fresh air. Call a physician if irritation develops or persists.

#### **Skin contact.**

Wash off immediately with soap and plenty of water. Remove and wash contaminated clothing before re-use. Get medical attention if symptoms occur.

#### **Eye contact.**

Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. If symptoms persist, call a physician.

#### **Ingestion.**

If swallowed, DO NOT induce vomiting unless directed to do so by medical personnel. If large quantities of this material are swallowed, call a physician immediately. Gently wipe or rinse the inside of the mouth with water.

#### **Symptoms.**

See Section 2 and Section 11, Toxicological effects for description of potential symptoms.

#### **Notes to physician.**

Treat symptomatically. There is no specific antidote for effects from overexposure to this material.

## 5. Fire-fighting Measures

### Extinguishing media.

#### **Suitable extinguishing media.**

Use: Water spray. Carbon dioxide (CO<sub>2</sub>). Foam. Dry chemical. Cool containers with flooding quantities of water until well after fire is out.

#### **Extinguishing media which shall not be used for safety reasons.**

None known based on information supplied.

### Special hazards arising from the substance or mixture.

Thermal decomposition can lead to release of irritating and toxic gases and vapors.

### Advice for firefighters.

Use personal protective equipment.

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

## 6. Accidental Release Measures

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

#### **Personal precautions.**

Avoid contact with the skin and the eyes. Evacuate personnel to safe areas. Use personal protective equipment. Ensure adequate ventilation, especially in confined areas. Keep people away from and upwind of spill/leak. Stop leak if you can do it without risk. Thoroughly decontaminate all protective equipment after use. Personal protection needs must be evaluated based on information provided on this sheet and the special circumstances created by the spill including; the material spilled, the quantity of the spill, the area in which the spill occurred, and the training and the expertise of employees in the area responding to the spill.

#### **Advice for emergency responders.**

Use personal protection recommended in Section 8.

### Environmental precautions.

Prevent further leakage or spillage if safe to do so. Do not allow material to contaminate ground water system.  
Prevent product from entering drains. See Section 12 for additional Ecological information.

### **Methods and materials for containment and cleaning up.**

#### **Methods for Containment.**

Dike far ahead of spill; use dry sand to contain the flow of material. Prevent further leakage or spillage if safe to do so. Cover liquid spill with sand, earth or other noncombustible absorbent material. Use personal protective equipment.

#### **Methods for cleaning up.**

Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers. Clean contaminated surface thoroughly. Keep in suitable and closed containers for disposal. Ventilate the area. Use personal protective equipment as required.

### **Reference to other sections.**

See section 8 for more information.

## **7. Handling and Storage**

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

#### **Advice on safe handling.**

Avoid contact with skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or smoke when using this product. Empty containers may retain product residue or vapor. Wash hands before breaks and immediately after handling the product. No smoking. Remove and wash contaminated clothing before re-use. Ensure adequate ventilation. Use according to package label instructions.

#### **Hygiene measures.**

Do not eat, drink or smoke when using this product. Keep away from food, drink and animal feeding stuffs. Keep working clothes separately. Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product. Wash contaminated clothing before reuse.

#### **Storage Conditions.**

Keep container tightly closed in a dry and well-ventilated place. Keep in properly labeled containers. Store in accordance with local regulations. Keep away from food, drink and animal feedingstuffs.

## **8. Exposure Controls/Personal Protection**

### **Ingredients with Occupational Exposure Limits**

| <u>Chemical Name</u>                                            | <u>ACGIH TLV-TWA</u> | <u>ACGIH-TLV STEL</u> | <u>OSHA PEL-TWA</u> | <u>OSHA PEL-CEILING</u> |
|-----------------------------------------------------------------|----------------------|-----------------------|---------------------|-------------------------|
| Contains no substances with occupational exposure limit values. |                      |                       |                     |                         |

Contains no substances with occupational exposure limit values.

TLV = Threshold Limit Value TWA = Time Weighted Average PEL = Permissible Exposure Limit STEL = Short-Term Exposure Limit N.E. = Not Established

#### **Engineering Measures.**

Ensure adequate ventilation, especially in confined areas. Apply technical measures to comply with the occupational exposure limits. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction.

#### **Personal protective equipment.**

##### **Eye/Face Protection.**

Safety glasses with side-shields.

##### **Skin and body protection.**

Wear protective gloves/ protective clothing. Gloves must be rinsed thoroughly after use. Gloves must be inspected prior to use. Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion. Remove and wash contaminated clothing before re-use.

##### **Respiratory protection.**

In case of mist, spray or aerosol exposure wear suitable personal respiratory protection. In case of inadequate ventilation wear respiratory protection. If exposure limits are exceeded or irritation is experienced, respiratory protection should be worn. Respiratory protection must be provided in accordance with current local regulations.

## 9. Physical and chemical properties.

### Information on basic physical and chemical properties.

|                                        |                            |
|----------------------------------------|----------------------------|
| Physical state                         | Liquid                     |
| Appearance                             | Creamy                     |
| Color                                  | White                      |
| Odor                                   | Mild                       |
| Odor Threshold                         | No Information             |
| pH                                     | 5.1                        |
| Melting/freezing point., °C (°F)       | No Information             |
| Flash Point., °C (°F)                  | No Information             |
| Boiling point/boiling range., °C (°F)  | 100 - 1,461 (212 - 2661.8) |
| Evaporation rate                       | No Information Available   |
| Explosive properties.                  | No Information             |
| Vapor pressure.                        | No Information             |
| Vapor density.                         | No Information             |
| Specific Gravity. (g/cm <sup>3</sup> ) | 0.995                      |
| Water solubility.                      | No Information             |
| Partition coefficient.                 | No Information             |
| Autoignition temperature., °C          | No Information             |
| Decomposition Temperature °C.          | No Information             |
| Viscosity, kinematic.                  | No Information             |

### Other information.

|                                           |             |
|-------------------------------------------|-------------|
| Volatile organic compounds (VOC) content. | 0.08 lb/gal |
| Density, lb/gal                           | 8.283       |

## 10. Stability and Reactivity

### Reactivity.

No dangerous reaction known under conditions of normal use.

### Chemical stability.

Stable under recommended storage conditions.

### Possibility of hazardous reactions.

None under normal processing.

### Conditions to Avoid.

None known.

### Incompatible Materials.

No materials to be especially mentioned.

### Hazardous Decomposition Products.

Thermal decomposition can lead to release of irritating gases and vapours.

## 11. Toxicological Information

### Information on toxicological effects.

Acute toxicity.

#### Product Information

No Information

#### Component Information.

| <u>CAS-No.</u> | <u>Chemical Name</u>        | <u>LD50 Oral</u>     | <u>LD50 Dermal</u>      | <u>LC50 Inhalation</u>     |
|----------------|-----------------------------|----------------------|-------------------------|----------------------------|
| 26530-20-1     | 2-Octyl-3(2H)-isothiazolone | 550 mg/kg (rat)      | 690 mg/kg (rabbit)      | No data (Dust)             |
| 1897-45-6      | Chlorothalonil              | > 10,000 mg/kg (rat) | > 10,000 mg/kg (rabbit) | 0.1 mg/L (rat) 4-hr (Dust) |

N.I. = No Information

### Skin corrosion/irritation.

No Information

### Eye damage/irritation.

No Information

### Respiratory or skin sensitization.

May cause allergic skin reaction.

### Ingestion.

No Information

### Germ cell mutagenicity.

No Information

### Carcinogenicity.

No Information

| <u>CAS-No.</u> | <u>Chemical Name</u> | <u>IARC</u>   | <u>NTP</u> | <u>OSHA</u> |
|----------------|----------------------|---------------|------------|-------------|
| 1897-45-6      | Chlorothalonil       | IARC Group 2B | -          | -           |

### Reproductive toxicity.

No Information

### Specific target organ systemic toxicity (single exposure).

No Information

### Specific target organ systemic toxicity (repeated exposure).

No Information

### Aspiration hazard.

No Information

### Primary Route(s) of Entry

No Information

## 12. Ecological Information

### Toxicity.

0.68% of the mixture consists of ingredient(s) of unknown aquatic toxicity

### Ecotoxicity effects.

| <u>Chemical Name</u>        | <u>Toxicity to algae</u>                                                                                         | <u>Toxicity to fish</u>                                                                                                                                                                                              | <u>Toxicity to daphnia and other aquatic invertebrates</u> |
|-----------------------------|------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------|
| Chlorothalonil<br>1897-45-6 | EC50 72 h <i>Desmodesmus subspicatus</i> 0.57 mg/L, EC50 72 h <i>Pseudokirchneriella subcapitata</i> 0.0068 mg/L | LC50 96 h <i>Oncorhynchus mykiss</i> 0.012 mg/L, LC50 96 h <i>Oncorhynchus mykiss</i> 0.0076 mg/L, LC50 96 h <i>Lepomis macrochirus</i> 0.0221 - 0.032 mg/L, LC50 96 h <i>Lepomis macrochirus</i> 0.045 - 0.057 mg/L | EC50 48 h <i>Daphnia magna</i> 0.0342 - 0.143 mg/L         |

### Persistence and degradability.

No data are available on the product itself.

### Bioaccumulative potential.

No data are available on the product itself.

| <u>CAS-No.</u> | <u>Chemical Name</u> | <u>log POW</u> |
|----------------|----------------------|----------------|
| 1897-45-6      | Chlorothalonil       | 2.9            |

**Mobility in soil.**

No information

**Other adverse effects.**

No information

**13. Disposal Considerations****Waste Disposal Guidance.**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

Empty containers should be taken to an approved waste handling site for recycling or disposal.

**14. Transport Information****DOT****Shipping Name:** Not regulated.**IMDG****Proper Shipping Name:** UN3082, Environmentally hazardous substance, liquid, n.o.s. (isothiazolinone, chlorothalonil), 9, PG III, Marine Pollutant**Additional Information:** Inner packagings 5 L (liquid) or 5 kg (solids) or less: Not regulated (per IMDG Code 2.10.2.7) (EHS liquid/sold exception)**IATA****Proper Shipping Name:** UN3082, Environmentally hazardous substance, liquid, n.o.s. (isothiazolinone, chlorothalonil), 9, PG**Additional Information:** III  
Inner packagings 5 L (liquid) or 5 kg (solids) or less: Not restricted (per Special Provision A197) (EHS liquid/sold exception)**15. Regulatory Information****International Inventories:****TSCA** Complies**DSL** -**DSL/NDSL** -**EINECS/ELINCS** -**ENCS** -**IECSC** -**KECI** -**PICCS** -**AIIC** -**NZIoC** -**TCSI****TSCA** United States Toxic Substances Control Act Section 8(b) Inventory.**DSL** Canadian Domestic Substances List.**DSL/NDSL** Canadian Domestic Substances List/Canadian Non-Domestic Substances List**EINECS/ELINCS** European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances.**ENCS** Japan Existing and New Chemical Substances.**IECSC** China Inventory of Existing Chemical Substances.**KECL** Korean Existing and Evaluated Chemical Substances.**PICCS** Philippines Inventory of Chemicals and Chemical Substances.**AIIC** Australian Inventory of Chemical Substances.**NZIoC** New Zealand Inventory of Chemicals.**TCSI** Taiwan Chemical Substance Inventory

**U.S. Federal Regulations:****SARA SECTION 313:**

This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40 CFR part 372: .

| <u>Chemical Name</u> | <u>CAS-No.</u> | <u>Weight Percent</u> |
|----------------------|----------------|-----------------------|
| Chlorothalonil       | 1897-45-6      | 0.1-1.0               |

**TOXIC SUBSTANCES CONTROL ACT 12(b):**

This product does not contain any chemicals that are subject to the reporting requirements of TSCA 12(b).

**ADDITIONAL INFORMATION**

Additional Information - Sxn 15: No Information

**CALIFORNIA PROPOSITION 65 CARCINOGENS****WARNING**

Warning: The following ingredients present in the product are known to the state of California to cause Cancer:

| <u>Chemical Name</u> | <u>CAS-No.</u> |
|----------------------|----------------|
| Chlorothalonil       | 1897-45-6      |
| Formaldehyde         | 50-00-0        |

**CALIFORNIA PROPOSITION 65 REPRODUCTIVE TOXINS****WARNING**

Warning: The following ingredients present in the product are known to the state of California to cause birth defects, or other reproductive hazards.

| <u>Chemical Name</u> | <u>CAS-No.</u> |
|----------------------|----------------|
| METHANOL             | 67-56-1        |

**16. Other Information**

Revision Date: 1/25/2024 Supersedes Date: 8/3/2021

Reason for revision: Product Composition Changed  
 Substance and/or Product Properties Changed in Section(s):  
 01 - Product Information  
 11 - Toxicological Information  
 12 - Ecological Information  
 Substance Hazard Threshold % Changed  
 Revision Statement(s) Changed

Datasheet produced by: Regulatory Department

**HMIS Ratings:**

|         |    |               |   |                  |   |                      |   |
|---------|----|---------------|---|------------------|---|----------------------|---|
| Health: | 2* | Flammability: | 1 | Physical Hazard: | 0 | Personal Protection: | X |
|---------|----|---------------|---|------------------|---|----------------------|---|

**NFPA Ratings:**

|         |   |               |   |              |   |                      |      |
|---------|---|---------------|---|--------------|---|----------------------|------|
| Health: | 2 | Flammability: | 1 | Instability: | 0 | Physical & Chemical: | N.I. |
|---------|---|---------------|---|--------------|---|----------------------|------|

Legend: N.A. - Not Applicable, N.E. - Not Established, N.D. - Not Determined, N.I. - No Information

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

