

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. dba Kop-Coat Protection Products 3040 William Pitt Way Pittsburgh, PA 15238 412-227-2700
Emergency telephone number.	Chemtrec: +1-800-424-9300 USA 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 (CO₂). 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 feeding stuffs.

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 ³)	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 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
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NFPA Ratings:

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

