

# Safety Data Sheet

## 1. Identification

Product Information.	13390
Product Name:	Beetlejuice™
Recommended Use.	Wood preservative
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 1B  
Acute Toxicity, Oral, category 4  
Acute Toxicity, Dermal, category 4  
Acute Toxicity, Inhalation, category 4  
Aspiration Hazard, category 1  
Skin Irritation, category 2  
Eye Irritation, category 2A  
Skin Sensitizer, category 1

### GHS Pictograms



### Signal Word

Danger

### Unknown Acute Toxicity

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

### HAZARD STATEMENTS

Harmful if swallowed.  
May be fatal if swallowed and enters airways.  
Harmful in contact with skin.  
Causes skin irritation.  
May cause an allergic skin reaction.  
Causes serious eye irritation.  
Harmful if inhaled.  
May cause cancer.

### Precautionary Statements - Prevention.

Obtain special instructions before use.  
Do not handle until all safety precautions have been read and understood.

Avoid breathing dust/fume/gas/mist/vapors/spray.  
 Wash face and hands and any exposed skin thoroughly after handling.  
 Do not eat, drink or smoke when using this product.  
 Use only outdoors or in a well-ventilated area.  
 Wear protective gloves, protective clothing, eye protection, face protection

#### **Precautionary Statements - Response.**

If swallowed: Immediately call a poison center/doctor.  
 If swallowed: Call a poison center/doctor if you feel unwell.  
 If on skin: Wash with plenty of water.  
 If inhaled: Remove person to fresh air and keep comfortable for breathing.  
 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 If exposed or concerned: Get medical advice/attention.  
 Specific treatment (If applicable, see label for any additional instructions).  
 Rinse mouth.  
 Do NOT induce vomiting.  
 If skin irritation or rash occurs: Get medical advice/attention.  
 If eye irritation persists: Get medical advice/attention.  
 Take off contaminated clothing and wash it before reuse.

#### **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>
Naphtha (petroleum), heavy aromatic	64742-94-5	25-50
Permethrin	52645-53-1	25-50
Benzene, 1,2,4-trimethyl-	95-63-6	10-25
XYLENE	1330-20-7	1.0-2.5
Benzene, (1-methylethyl)-	98-82-8	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. For further assistance, contact your local Poison Control Center.

##### **Inhalation.**

Move to fresh air. If not breathing, give artificial respiration. Call a physician or poison control center immediately.

##### **Skin contact.**

Wash off immediately with plenty of water for at least 15 minutes. Call a poison control center or doctor for treatment advice. Remove contaminated clothing and shoes. Wash contaminated clothing before reuse.

##### **Eye contact.**

Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Call a physician or poison control center immediately.

##### **Ingestion.**

Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Call a physician or poison control center immediately. Risk of product entering the lungs on vomiting after ingestion. Gently wipe or rinse the inside of the mouth with water. If a person vomits when lying on his back, place him in the recovery position.

##### **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: 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.**

Water may be unsuitable for extinguishing fires.

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

Flash back possible over considerable distance. Thermal decomposition can lead to release of irritating and toxic gases and vapors. Most vapors are heavier than air. They will spread along ground and collect in low or confined areas (sewers, basements, tanks). Vapors may travel to source of ignition and flash back. Air/vapor mixtures may explode when ignited. Containers may explode when heated.

### 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. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Eliminate all ignition sources (no smoking, flares, sparks or flames in immediate area). Stop leak if you can do it without risk. Stop all work that requires a naked flame, stop all vehicles, stop all machines and equipment that may cause sparks or flames. 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. All equipment used when handling the product must be grounded. Ventilate the area. Use personal protective equipment as required. Shut off ignition sources; including electrical equipment and flames.

### 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. Keep away from open flames, hot surfaces and sources of ignition. Do not eat, drink or smoke when using this product. Empty containers may retain product residue or vapor. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose container to heat, flame, sparks, static electricity, or other sources of ignition. Wash hands before breaks and immediately after handling the product. No smoking. Wear personal protective equipment. Remove and wash contaminated clothing before re-use. Take precautionary measures against static discharges. Do not breathe vapors or spray mist. Ensure adequate ventilation. Use according to package label instructions. Ground and bond containers when transferring material.

#### **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 away from open flames, hot surfaces and sources of ignition. 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>
Benzene, 1,2,4-trimethyl-XYLENE	10 ppm	N.E.	N.E.	N.E.
	20 ppm	N.E.	100 ppm	N.E.
Benzene, (1-methylethyl)-	5 ppm	N.E.	50 ppm	N.E.

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. If splashes are likely to occur, wear: Goggles. Face-shield.

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

Nitrile rubber. Neoprene gloves. Impervious butyl rubber gloves. Long sleeved clothing. Wear impervious gloves and/or clothing if needed to prevent contact with the material. Chemical resistant apron. Footwear protecting against chemicals. 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 and protective suit. 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.

<b>Physical state</b>	Liquid
<b>Appearance</b>	No Information
<b>Color</b>	Amber

Odor	Hydrocarbon-like
Odor Threshold	No Information
pH	5
Melting/freezing point., °C (°F)	No Information
Flash Point., °C (°F)	80 (176.00)
Boiling point/boiling range., °C (°F)	138 - 169 (280.4 - 336.2)
Evaporation rate	No Information Available
Explosive properties.	No Information
Vapor pressure.	No Information
Vapor density.	No Information
Specific Gravity. (g/cm <sup>3</sup> )	1.003
Water solubility.	No Information
Partition coefficient.	No Information
Autoignition temperature., °C	No Information
Decomposition Temperature °C.	No Information
Viscosity, kinematic.	20

**Other information.**

Volatile organic compounds (VOC) content.	5.14
Density, lb/gal	8.350

## 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.**

Heat (temperatures above flash point), sparks, ignition points, flames, static electricity. Do not freeze.

**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**

LD50 Oral  
789 mg/kg

LD50 Dermal  
2000 mg/kg

LC50 Inhalation (Dust/Mist)  
1.4 mg/l

**Component Information.**

<u>CAS-No.</u>	<u>Chemical Name</u>	<u>LD50 Oral</u>	<u>LD50 Dermal</u>	<u>LC50 Inhalation</u>
64742-94-5	Naphtha (petroleum), heavy aromatic	>5000 mg/kg Rat	N.I.	N.I.
52645-53-1	Permethrin	3129 mg/kg (rat)	> 5000 mg/kg (rat)	2.9 mg/L 4-hr (rat) (Dust)
95-63-6	Benzene, 1,2,4-trimethyl-	3280 mg/kg (rat)	>3160 mg/kg Rabbit	18 mg/L Rat (Vapor)
1330-20-7	XYLENE	3500 mg/kg (rat)	> 4350 mg/kg (rat)	29.08 mg/L (rat) (Vapor)

98-82-8      Benzene, (1-methylethyl)-      1400 mg/kg Rat      1474 mg/kg Rabbit      >3577 ppm Rat (Gas/Mist)

N.I. = No Information

**Skin corrosion/irritation.**

No Information

**Eye damage/irritation.**

No Information

**Respiratory or skin sensitization.**

May cause allergic skin reaction.

**Ingestion.**

May be harmful if swallowed. Aspiration into lungs may cause pulmonary edema and chemical pneumonitis.

**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>
52645-53-1	Permethrin	IARC Group 3	-	-
1330-20-7	XYLENE	IARC Group 3	-	-
98-82-8	Benzene, (1-methylethyl)-	IARC Group 2B	NTP Reasonably Anticipated to be Human Carcinogen	-

**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.**

0.00% of the mixture consists of ingredient(s) of unknown aquatic toxicity

**Ecotoxicity effects.**

Chemical Name	Toxicity to algae	Toxicity to fish	Toxicity to daphnia and other aquatic invertebrates
Naphtha (petroleum), heavy aromatic 64742-94-5	-	LC50 96 h Pimephales promelas 19 mg/L, LC50 96 h Oncorhynchus mykiss 2.34 mg/L, LC50 96 h Lepomis macrochirus 1740 mg/L, LC50 96 h Pimephales promelas 45 mg/L, LC50 96 h Pimephales promelas 41 mg/L	EC50 48 h Daphnia magna 0.95 mg/L

Permethrin 52645-53-1	-	LC50 96 h Pimephales promelas 0.008 - 0.03 mg/L, LC50 96 h Pimephales promelas 0.001 - 0.009 mg/L, LC50 96 h Cyprinus carpio 0.015 mg/L, LC50 96 h Cyprinus carpio 0.0052 - 0.0077 mg/L, LC50 96 h Lepomis macrochirus 0.00079 mg/L, LC50 96 h Lepomis macrochirus 0.0108 mg/L, LC50 96 h Lepomis macrochirus 0.00188 - 0.00336 mg/L, LC50 96 h Oncorhynchus mykiss 0.00049 - 0.00097 mg/L, LC50 96 h Oncorhynchus mykiss 0.0017 - 0.0048 mg/L	-
Benzene, 1,2,4-trimethyl- 95-63-6	-	LC50 96 h Pimephales promelas 7.19 - 8.28 mg/L	EC50 48 h Daphnia magna 6.14 mg/L
XYLENE 1330-20-7	-	LC50 96 h Pimephales promelas 13.4 mg/L, LC50 96 h Oncorhynchus mykiss 2.661 - 4.093 mg/L, LC50 96 h Oncorhynchus mykiss 13.5 - 17.3 mg/L, LC50 96 h Lepomis macrochirus 13.1 - 16.5 mg/L, LC50 96 h Lepomis macrochirus 19 mg/L, LC50 96 h Lepomis macrochirus 7.711 - 9.591 mg/L, LC50 96 h Pimephales promelas 23.53 - 29.97 mg/L, LC50 96 h Cyprinus carpio 780 mg/L, LC50 96 h Cyprinus carpio >780 mg/L, LC50 96 h Poecilia reticulata 30.26 - 40.	EC50 48 h water flea 3.82 mg/L, LC50 48 h Gammarus lacustris 0.6 mg/L
Benzene, (1-methylethyl)- 98-82-8	EC50 72 h Pseudokirchneriella subcapitata 2.6 mg/L	LC50 96 h Pimephales promelas 6.04 - 6.61 mg/L, LC50 96 h Oncorhynchus mykiss 4.8 mg/L, LC50 96 h Oncorhynchus mykiss 2.7 mg/L, LC50 96 h Poecilia reticulata 5.1 mg/L	EC50 48 h Daphnia magna 0.6 mg/L, EC50 48 h Daphnia magna 7.9 - 14.1 mg/L

**Persistence and degradability.**

No data are available on the product itself.

**Bioaccumulative potential.**

No data are available on the product itself.

<b><u>CAS-No.</u></b>	<b><u>Chemical Name</u></b>	<b><u>log POW</u></b>
64742-94-5	Naphtha (petroleum), heavy aromatic	2.8 - 6.5
52645-53-1	Permethrin	6.5
95-63-6	Benzene, 1,2,4-trimethyl-	3.63
1330-20-7	XYLENE	2.77 - 3.15
98-82-8	Benzene, (1-methylethyl)-	3.55

**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:** NA1993, Combustible liquid, n.o.s. (aromatic hydrocarbons), 3, PGIII (for containers > 119 gal)  
**Additional Information:** DOT Ground - "Non-bulk shipments may be non-regulated per 49CFR 173.150(f)(2)"

**IMDG**

**Proper Shipping Name:** UN3082, Environmentally hazardous substance, liquid, n.o.s. (permethrin), 9, PGIII, Marine Pollutant

**IATA**

**Hazard Class:** UN3082, Environmentally hazardous substance, liquid, n.o.s. (permethrin), 9, PGIII

## 15. Regulatory Information

**International Inventories:**

TSCA	Complies
DSL	-
DSL/NDSL	-
EINECS/ELINCS	Complies
ENCS	-
IECSC	Complies
KECI	Complies
PICCS	Complies
AIIC	Complies
NZIoC	Complies

**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>
Permethrin	52645-53-1	25-50
Benzene, 1,2,4-trimethyl-	95-63-6	10-25
XYLENE	1330-20-7	1.0-2.5

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

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

**U.S. EPA PESTICIDE INFORMATION**

**EPA Pesticide Registration Number:** 279-3283-92617



**EPA STATEMENT:** 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:

Not applicable.

#### 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:

**Chemical Name**

Benzene, (1-methylethyl)-

**CAS-No.**

98-82-8

#### CALIFORNIA PROPOSITION 65 REPRODUCTIVE TOXINS

No Proposition 65 Reproductive Toxins exist in this product.

### 16. Other Information

**Revision Date:** 3/21/2024 **Supersedes Date:** 1/29/2024

**Reason for revision:** Revision Statement(s) Changed

**Datasheet produced by:** Regulatory Department

**HMIS Ratings:**

<b>Health:</b>	2*	<b>Flammability:</b>	2	<b>Physical Hazard:</b>	0	<b>Personal Protection:</b>	X
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**NFPA Ratings:**

<b>Health:</b>	2	<b>Flammability:</b>	2	<b>Instability:</b>	0	<b>Physical &amp; Chemical:</b>	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.

