

## Carbon Killer

### 1 PRODUCT AND COMPANY IDENTIFICATION

**Supplier Details:** Superior Product Sales  
5515 E Lamona Ave  
108  
Fresno, CA 93727

**Emergency:** 559-374-2101  
**Contact:** G Conner  
**Phone:** 559-374-2101

### 2 HAZARDS IDENTIFICATION

#### Classification of the Substance or Mixture

**GHS Classification in Accordance with 29 CFR 1910 (OSHA HCS):**  
No GHS Classifications Indicated

#### GHS Label Elements, Including Precautionary Statements

**GHS Signal Word:** **NONE**

no GHS pictograms indicated for this product

#### GHS Hazard Statements:

no GHS hazards statements indicated

#### GHS Precautionary Statements:

no GHS precautionary statements indicated

### 3 COMPOSITION/INFORMATION ON INGREDIENTS

#### Ingredients:

Cas#	%	Chemical Name
5989-27-5	>70%	Cyclohexene, 1-methyl-4-(1-methylethenyl)-, (4R)-
111-76-2	>5%	2-Butoxyethanol
25155-30-0	>5%	Benzenesulfonic acid, dodecyl-, sodium salt
68603-42-9	>15%	Amides, coco, N,N-bis(hydroxyethyl)

### 4 FIRST AID MEASURES

**Inhalation:** If inhaled, move person into fresh air. Monitor respiratory function. If breathing is difficult, provide oxygen. If not breathing, give artificial respiration. If symptoms persist, obtain medical attention.

**Skin Contact:** Promptly flush skin with water for at least 15 minutes to ensure all chemical is removed. Remove contaminated clothing and wash before reuse. Consult a physician if irritation persists.

**Eye Contact:** Flush with large amounts of water for at least 15 minutes, lifting upper and lower lids occasionally. Remove contact lenses if present and easy to do so. Get immediate medical attention. Continue rinsing eyes during transport to hospital.

**Ingestion:** Rinse mouth with water. Do NOT induce vomiting unless instructed to do so. Material can enter lungs (aspiration hazard) during swallowing or vomiting resulting in lung inflammation or other lung injury. Never give anything by mouth to an unconscious person. Get immediate medical attention.

### 5 FIRE FIGHTING MEASURES

**Flash Point:** > 60 °C (140 °F)  
**Flash Point Method:** (TCC)  
**Burning Rate:** No data available

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**Autoignition Temp:** No data available  
**LEL:** No data available  
**UEL:** No data available

Water Spray  
Water Fog  
Carbon Dioxide  
Alcohol-Resistant Foam Dry Chemical

Special Hazards Arising From the Substance or Mixture:  
Carbon Oxides Hydrocarbon particulate Nitrogen Oxides (NOx) Sulfur Oxides

Advice for Firefighters:  
Firefighters should wear full-face, positive-pressure respirators.

Further Information:  
If incinerated, may release toxic fumes.  
Use water spray to cool unopened containers.  
Do NOT use high volume water jet to extinguish fire, as the force of the water jet may cause fire to spread. Beware of vapors accumulating to form explosive concentrations.  
Vapors can accumulate in low areas.  
See Section 7 for more information on safe handling.  
See Section 8 for more information on personal protection equipment. See Section 13 for disposal information.

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### ACCIDENTAL RELEASE MEASURES

#### Personal Precautions, Protective Equipment and Emergency Procedures:

Use personal protective  
Equipment. Keep from contacting  
skin or eyes. Avoid breathing  
vapors, mist or gas. Ensure  
adequate ventilation.  
Evacuate personnel to safe areas.  
Remove all sources of ignition.  
If any equipment is necessary, ensure that it is non-sparking and electrically-protected.

#### Environmental Precautions:

Prevent further release (leakage/spillage) if safe to do  
so. Do not allow product to enter drains.  
Do not allow to drain to environment.

#### Methods and Materials for Containments and Cleaning Up:

Ensure adequate ventilation.  
Contain spillage and absorb with liquid-binding material (sand, diatomite, universal binders, vermiculite) and placed in  
container for disposal.  
Spill may also be diluted with equal volume of water and absorbed (as above) or collect with an electrically-protected  
vacuum cleaner or by wet-brushing. Collected waste should then be placed in container for disposal.  
Dispose of contaminated material according to Section 13.

#### Reference to Other Sections:

See Section 7 for information on safe handling.  
See Section 8 for information on personal protection  
equipment. See Section 13 for information on proper disposal.



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#### 7 HANDLING AND STORAGE

##### Handling Precautions:

Avoid breathing vapors or mist.  
 Avoid contact with eyes, skin, or clothing. Keep containers closed when not in use.  
 Do not expose containers to open flame, excessive heat, or direct sunlight. Keep away from sources of ignition.  
 Do not smoke while using material.  
 Take measures to prevent the buildup of electrostatic charge. Do not puncture or drop containers.  
 Handle with care and avoid spillage on the floor (slippage). Keep material out of reach of children.  
 Keep material away from incompatible materials. Wash thoroughly after handling.

##### Storage Requirements:

Keep container tightly closed.  
 Avoid inhalation of vapors or mist upon opening container. Store in a well-ventilated place.  
 Do not store at elevated temperatures. Do not store in direct sunlight.  
 Store away from strong acids, strong bases, strong oxidizing agents and strong reducing agents.

#### 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

##### Engineering Controls:

All ventilation should be designed in accordance with OSHA standard (29 CFR 1910.94). Use local exhaust at filling zones and where leakage and dust formation is probable. Use mechanical (general) ventilation for storage areas. Use appropriate ventilation as required to keep Exposure Limits in Air below TLV & PEL limits.

##### Personal Protective Equipment:

Eye/face protection:  
 When using material use safety goggles, gloves and apron according to HMIS PP, C. A vapor respirator according to HMIS PP, U is also strongly recommended if working with material in poorly ventilated spaces. All safety equipment should be tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU).

Skin protection:  
 Handle with gloves made from PVC, neoprene, nitrile, butyl-rubber or fluorinated-rubber. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact. Dispose of contaminated gloves according to applicable laws and laboratory practices.

Body Protection:  
 Chemically resistant gloves, apron and safety goggles are recommended. Type of protective equipment should be selected based on concentration amount and conditions of use of this material.

Respiratory protection:  
 Full-face vapor respirator may be required as backup to engineering controls when proper engineering controls are not in place to keep TLV and PEL limits below defined thresholds.

Control of environmental exposure:  
 Prevent leakage or spillage if safe to do so. Do not let material enter drains.

Component(s): Cyclohexene, 1-methyl-4-(1-methylethenyl)-, (4R)-; 2-Butoxyethanol

CAS No(s): 5989-27-5; 111-76-2

USA NIOSH (TWA/REL): 24

mg/m<sup>3</sup> USA ACGIH (TWA/TLV):

96 mg/m<sup>3</sup>

USA OSHA - Table Z-1 Limits for Air Contaminants (TWA): 120 mg/m<sup>3</sup>

USA OSHA Occupational Exposure Limits Table Z-1 Limits for Air Contaminants (TWA): 240 mg/m<sup>3</sup>

USA Workplace Environmental Exposure Levels (WEEL): 165.5 mg/m<sup>3</sup>

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#### PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	Green Milky	<b>Odor:</b>	Citrus
<b>Physical State:</b>	Liquid	<b>Molecular Formula:</b>	MIXTURE
<b>Odor Threshold:</b>	No data available	<b>Solubility:</b>	100%
<b>Particle Size:</b>	No data available	<b>Softening Point:</b>	No data available
<b>Spec Grav./Density:</b>	0.869 g/ml (7.25 lbs/gal)	<b>Percent Volatile:</b>	75%
<b>Sat. Vap. Conc.:</b>	No data available	<b>Heat Value:</b>	Not determined
<b>Boiling Point:</b>	> 100 °C (212 °F)	<b>Freezing/Melting Pt.:</b>	Not determined
<b>Flammability:</b>	(solid, gas): Combustible Liquid Class	<b>Flash Point:</b>	> 60 °C (140 °F)
<b>Partition Coefficient:</b>	Not determined	<b>Vapor Density:</b>	Not determined
<b>Vapor Pressure:</b>	Not determined	<b>VOC:</b>	651 g/l
<b>pH:</b>	7.00-9.00	<b>Bulk Density:</b>	Not determined
<b>Evap. Rate:</b>	Not determined	<b>Auto-Ignition Temp:</b>	Not determined
<b>Molecular weight:</b>	Not determined		

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#### STABILITY AND REACTIVITY

<b>Chemical Stability:</b>	Product is stable under normal conditions.
<b>Conditions to Avoid:</b>	Incompatibilities, flames, ignition sources.
<b>Materials to Avoid:</b>	Strong acids, strong bases, strong oxidizing agents and strong reducing agents.
<b>Hazardous Decomposition:</b>	Carbon Oxides, Hydrocarbon particulate, Nitrogen Oxides (NOx) and Sulfur Oxides.
<b>Hazardous Polymerization:</b>	Will not occur



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#### TOXICOLOGICAL INFORMATION

**Component(s):** Cyclohexene, 1-methyl-4-(1-methylethenyl)-, (4R)-; 2-Butoxyethanol; Benzenesulfonic acid, dodecyl-, sodium salt; Amides, coco, N,N-bis(hydroxyethyl)

**CAS No(s):** 5989-27-5; 111-76-2; 25155-30-0; 68603-42-9

#### Acute toxicity

LD50 Oral - Rat: 470 mg/kg

LD50 Dermal - Rabbit: 220 mg/kg

LD50 Intraperitoneal - Rat: 220

mg/kg LD50 Intravenous - Rat:

307 mg/kg LC50 Inhalation - Rat:

450 ppm (4 h)

**Skin Corrosion/Irritation:** Skin - Rabbit: Irritating to skin (24 h).

**Serious Eye Damage/Eye Irritation:** Risk of serious damage to eyes.

**Respiratory or Skin Sensitation:** Skin - Mouse: May cause sensitization by skin contact.

**Germ Cell Mutagenicity:** No data available.

#### Carcinogenicity:

Oral - Rat (Cyclohexene, 1-methyl-4-(1-methylethenyl)-, (4R)-); Carcinogenic by RTECS criteria: Kidney, ureter, bladder; Tumorigenic effects - Kidney, testicular tumors

Oral - Mouse (Cyclohexene, 1-methyl-4-(1-methylethenyl)-, (4R)-); Equivocal Tumorigenic agent by RTECS criteria: Gastrointestinal tumors

This product is or contains two components that are not classifiable as to their carcinogenicity to humans and one component that is classifiable as possibly carcinogenic to humans based on its IARC, ACGIH, NTP, or OSHA classification.

IARC: 2B - Group 2B: Possibly carcinogenic for humans (Amides, coco, N,N-bis(hydroxyethyl)). 3 - Group 3: Not classifiable as to its carcinogenicity to humans (Cyclohexene, 1-methyl-4-(1-methylethenyl)-, (4R)-). 3 - Group 3: Not classifiable as to its carcinogenicity to humans (2-Butoxyethanol).

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

**Reproductive Toxicity:** Overexposure may cause reproductive disorders based on tests with laboratory animals.

**Specific Target Organ Toxicity - Single Exposure:** Respiratory system - May cause respiratory irritation.

**Specific Target Organ Toxicity - Repeated Exposure:** No data available.

**Aspiration Hazard:** May be fatal if swallowed and enters airways.

#### Additional Information:

Component: Cyclohexene, 1-methyl-4-(1-methylethenyl)-, (4R)-; RTECS:

GW6360000 Component: 2-Butoxyethanol; RTECS: KJ8575000

Component: Benzenesulfonic acid, dodecyl-, sodium salt; RTECS: DB6825000

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Component: Amides, coco, N,N-bis(hydroxyethyl); RTECS: GG6200000

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#### ECOLOGICAL INFORMATION

**Component(s):** Cyclohexene, 1-methyl-4-(1-methylethenyl)-, (4R)-; 2-Butoxyethanol; Benzenesulfonic acid, dodecyl-, sodium salt; Amides, coco, N,N-bis(hydroxyethyl)

**CAS No(s):** 5989-27-5; 111-76-2; 25155-30-0; 68603-42-9

**Toxicity:**

*Toxicity to fish:*

LC50 - Brachydanio rerio (Zebra Fish): 3.6 mg/l (96 h)

LC50 - Oncorhynchus mykiss (Rainbow Trout): 3.2 - 5.6 mg/l (96 h) Mortality LOEC - Oncorhynchus mykiss (Rainbow Trout): 5.6 mg/l (72 h) Mortality NOEC - Oncorhynchus mykiss (Rainbow Trout): 3.1 mg/l (72 h)

Flow-through test LC50 - Pimephales promelas (Fathead Minnow): 0.72 mg/l (96 h)

*Toxicity to daphnia and other aquatic invertebrates:* EC50 - Daphnia magna (Water Flea): 4.2 mg/l (48 h) Mortality NOEC - Daphnia: 4.0 mg/l (168 h)

Immobilization EC50 - Daphnia magna (Water Flea): 0.36 mg/l (48 h)

*Toxicity to bacteria:*

EC50 - Sludge Treatment: 3.94 mg/l

**Persistence and Degradability:**

No data available.

**Bioaccumulative potential:**

Bioaccumulation - Lepomis macrochirus (Bluegill Sunfish): 64 µg/l Bioconcentration Factor (BCF): 220

**Mobility in Soil:**

No data available.

**Results of PBT and vPvB assessment:**

Not required/conducted.

**Other Adverse Effects:**

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Very toxic to aquatic life with long lasting effects.

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#### DISPOSAL CONSIDERATIONS

Product: Hazardous wastes shall be managed responsibly. All entities that store, transport or handle hazardous waste shall take the necessary measures to prevent risks of pollution, release into the environment or damage to people and animals.

Contact a licensed professional waste disposal service to dispose of this material. Contaminated Packaging: Dispose of as unused product.



## Carbon Killer

### 14 TRANSPORT INFORMATION

**DOT (US)**

Non-regulated material, liquid

**IMDG**

Non-regulated material, liquid

**IATA**

Non-regulated material, liquid

### 15 REGULATORY INFORMATION

Component (CAS#) [%] - CODES

Cyclohexene, 1-methyl-4-(1-methylethenyl)-, (4R)- (5989-27-5) [n/a%] TSCA

2-Butoxyethanol (111-76-2) [>5%] HAP, MASS, OSHAWAC, PA, TSCA, TXAIR

RQ(1000LBS), Benzenesulfonic acid, dodecyl-, sodium salt (25155-30-0) [>5%] CERCLA, CSWHS, MASS, PA, TSCA

Amides, coco, N,N-bis(hydroxyethyl) (68603-42-9) [>15%] TSCA

Regulatory CODE Descriptions

RQ = Reportable Quantity

TSCA = Toxic Substances Control Act

HAP = Hazardous Air Pollutants

MASS = MA Massachusetts Hazardous Substances List

OSHA = OSHA Workplace Air Contaminants

PA = PA Right-To-Know List of Hazardous Substances

TXAIR = TX Air Contaminants with Health Effects Screening Level

CERCLA = Superfund clean up substance

CSWHS = Clean Water Act Hazardous substances

### 16 OTHER INFORMATION

**Disclaimer:**

The data in this Safety Data Sheet relates only to the specific material designated herein and does not relate to use in combination with any other material in any process. The information set forth herein is furnished free of charge and is based on technical data that Company Name believes to be reliable. It is intended for use by persons having technical skill and at their own discretion and risk. Since conditions of use are outside of Company Name's control, Company Name makes no warranties, expressed or implied, and assumes no liability in connection with any use of this information. Nothing herein is to be taken as a license to operate under, or a recommendation to infringe upon, any patents.

**Preparation Information:**

GHS Conversion Services

[www.ghsconversionservices.com](http://www.ghsconversionservices.com)

<<http://www.ghsconversionservices.com/>> (414) 336-2546

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