

1. Identification

Product identifier	CUTEK® Colortone Black Ash	
Other means of identification	Not available.	
Recommended use	Colortone pigment for addition into CUTEK® Oils.	
Recommended restrictions	None known.	
Manufacturer/Importer/Supplier/Distributor information		
Distributor		
Company name	CUTEK America LLC	Deck Source Inc.
Address	6810 Tordera St Coral Gables, FL 33146 USA	22 Winstar Rd, Unit 1 Oro-Mednote, ON L0L 2E0 Canada
Telephone	1-833-MY-CUTEK (1-833-692-8835)	
E-mail	Not available.	
Emergency phone number	EMERGENCY CONTACT: 1-855-237-5573 POISON CONTROL HOTLINE: 1-800-222-1222	

2. Hazard identification

Physical hazards	Flammable liquids	Category 4
Health hazards	Specific target organ toxicity, single exposure	Category 3 narcotic effects
Environmental hazards	Not classified.	
WHMIS 2015 defined hazards	Not classified	
Label elements		
Signal word	Warning	
Hazard statement	Combustible liquid. May cause drowsiness or dizziness.	
Precautionary statement		
Prevention	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Avoid breathing mist or vapor. Use only outdoors or in a well-ventilated area. Wear protective gloves, protective clothing, eye protection and face protection.	
Response	In case of fire: Use carbon dioxide, dry chemical, water spray, or foam to extinguish. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor if you feel unwell.	
Storage	Store in a well-ventilated place. Keep container tightly closed. Store locked up.	
Disposal	Dispose of container in accordance with local, regional, national and international regulations.	
WHMIS 2015: Health Hazard(s) not otherwise classified (HHNOC)	None known	
WHMIS 2015: Physical Hazard(s) not otherwise classified (PHNOC)	None known	
Hazard(s) not otherwise classified (HNOC)	None known.	
Supplemental information	None.	

3. Composition/Information on ingredients

Mixture			
Chemical name	Common name and synonyms	CAS number	%
Cyclohexanone Oxime		100-64-1	< 0.1

Chemical name	Common name and synonyms	CAS number	%
1-Propanol, 2-methyl-		78-83-1	0.1 - 1 *
Benzenepropanoic acid, 3,5-bis(1,1-dimethylethyl)-4-hydroxy -, C7_9-branched alkyl esters		125643-61-0	0.5 - 1.5 *
Carbon black		1333-86-4	10 - 30 *
Naphtha (petroleum), hydrotreated heavy		64742-48-9	45 - 70 *

All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

Composition comments *CANADA GHS: The exact percentage (concentration) of composition has been withheld as a trade secret.
US GHS: The exact percentage (concentration) of composition has been withheld as a trade secret in accordance with paragraph (i) of §1910.1200.

4. First-aid measures

Inhalation	IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor if you feel unwell.
Skin contact	Flush with cool water. Wash with soap and water. Obtain medical attention if irritation persists.
Eye contact	Flush with cool water. Remove contact lenses, if applicable, and continue flushing. Obtain medical attention if irritation persists.
Ingestion	Rinse mouth. Do not induce vomiting. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration. Never give anything by mouth if victim is unconscious or is convulsing. Get medical attention if symptoms occur.
Most important symptoms/effects, acute and delayed	May cause drowsiness and dizziness. Headache. Nausea, vomiting. Direct contact with eyes may cause temporary irritation.
Indication of immediate medical attention and special treatment needed	Treat patient symptomatically.
General information	If you feel unwell, seek medical advice (show the label where possible). Show this safety data sheet to the doctor in attendance. Avoid contact with eyes and skin. Keep out of reach of children.

5. Fire-fighting measures

Suitable extinguishing media	Water fog. Alcohol resistant foam. Dry chemical powder. Carbon dioxide.
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.
Specific hazards arising from the chemical	The product is combustible, and heating may generate vapors which may form explosive vapor/air mixtures. During fire, gases hazardous to health may be formed.
Special protective equipment and precautions for firefighters	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
Fire-fighting equipment/instructions	In case of fire and/or explosion do not breathe fumes.
Specific methods	Use standard firefighting procedures and consider the hazards of other involved materials.
General fire hazards	Combustible liquid.
Hazardous combustion products	May include and are not limited to: Oxides of carbon.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures	Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Wear appropriate protective equipment and clothing during clean-up. Ensure adequate ventilation. Avoid breathing mist or vapor. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.
Methods and materials for containment and cleaning up	Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil, etc.) away from spilled material. Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Following product recovery, flush area with water. Clean surface thoroughly to remove residual contamination. For waste disposal, see section 13 of the SDS.
Environmental precautions	Do not discharge into lakes, streams, ponds or public waters.

7. Handling and storage

Precautions for safe handling	Keep away from open flames, hot surfaces and sources of ignition. Wear appropriate personal protective equipment. Provide adequate ventilation. Avoid prolonged exposure. Observe good industrial hygiene practices. Wash thoroughly after handling. When using, do not eat, drink or smoke.
Conditions for safe storage, including any incompatibilities	Keep away from heat, sparks and open flame. Store in a cool, dry place out of direct sunlight. Store in tightly closed container. Store in a well-ventilated place. Store away from incompatible materials (see Section 10 of the SDS). Keep out of reach of children. Store locked up.

8. Exposure controls/Personal protection

Occupational exposure limits

Canada. Alberta OELs (Occupational Health & Safety Code, Schedule 1, Table 2)

Components	Type	Value
1-Propanol, 2-methyl- (CAS 78-83-1)	TWA	152 mg/m3 50 ppm
Carbon black (CAS 1333-86-4)	TWA	3.5 mg/m3

Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended)

Components	Type	Value	Form
1-Propanol, 2-methyl- (CAS 78-83-1)	TWA	50 ppm	
Carbon black (CAS 1333-86-4)	TWA	3 mg/m3	Inhalable

Canada. Manitoba OELs (Reg. 217/2006, The Workplace Safety And Health Act)

Components	Type	Value	Form
1-Propanol, 2-methyl- (CAS 78-83-1)	TWA	50 ppm	
Carbon black (CAS 1333-86-4)	TWA	3 mg/m3	Inhalable fraction.

Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents)

Components	Type	Value	Form
1-Propanol, 2-methyl- (CAS 78-83-1)	TWA	50 ppm	
Carbon black (CAS 1333-86-4)	TWA	3 mg/m3	Inhalable fraction.
Naphtha (petroleum), hydrotreated heavy (CAS 64742-48-9)	TWA	525 mg/m3	

Canada. Quebec OELs. (Ministry of Labor - Regulation respecting occupational health and safety)

Components	Type	Value
1-Propanol, 2-methyl- (CAS 78-83-1)	TWA	152 mg/m3 50 ppm
Carbon black (CAS 1333-86-4)	TWA	3.5 mg/m3

Canada. Saskatchewan OELs (Occupational Health and Safety Regulations, 1996, Table 21)

Components	Type	Value
1-Propanol, 2-methyl- (CAS 78-83-1)	15 minute	60 ppm
	8 hour	50 ppm
Carbon black (CAS 1333-86-4)	15 minute	7 mg/m3
	8 hour	3.5 mg/m3

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Components	Type	Value
1-Propanol, 2-methyl- (CAS 78-83-1)	PEL	300 mg/m3

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Components	Type	Value
		100 ppm
Carbon black (CAS 1333-86-4)	PEL	3.5 mg/m3

US. ACGIH Threshold Limit Values

Components	Type	Value	Form
1-Propanol, 2-methyl- (CAS 78-83-1)	TWA	50 ppm	
Carbon black (CAS 1333-86-4)	TWA	3 mg/m3	Inhalable fraction.

US. NIOSH: Pocket Guide to Chemical Hazards

Components	Type	Value
1-Propanol, 2-methyl- (CAS 78-83-1)	TWA	150 mg/m3
		50 ppm
Carbon black (CAS 1333-86-4)	TWA	0.1 mg/m3

Biological limit values No biological exposure limits noted for the ingredient(s).

Appropriate engineering controls Ensure adequate ventilation.

Individual protection measures, such as personal protective equipment

Eye/face protection Not normally required under normal use conditions.

Skin protection

Hand protection Rubber gloves. Confirm with a reputable supplier first.

Other Not normally required. Avoid contact with eyes and skin.

Respiratory protection Where exposure guideline levels may be exceeded, use an approved NIOSH respirator. Respirator should be selected by and used under the direction of a trained health and safety professional following requirements found in OSHA's respirator standard (29 CFR 1910.134), CAN/CSA-Z94.4 and ANSI's standard for respiratory protection (Z88.2).

Thermal hazards Not applicable.

General hygiene considerations Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and immediately after handling the product. When using, do not eat, drink or smoke.

9. Physical and chemical properties

Appearance	Liquid
Physical state	Liquid.
Form	Liquid.
Color	Various colours
Odor	Not available.
Odor threshold	Not available.
pH	Not available.
Melting point/freezing point	Not available.
Initial boiling point and boiling range	Not available.
Pour point	Not available.
Specific gravity	Not available.
Partition coefficient (n-octanol/water)	Not available.
Flash point	149.0 °F (65.0 °C) ASTM D93
Evaporation rate	Not available.
Flammability (solid, gas)	Not applicable.
Upper/lower flammability or explosive limits	
Flammability limit - lower (%)	Not available.
Flammability limit - upper (%)	Not available.
Explosive limit - lower (%)	Not available.

Explosive limit - upper (%)	Not available.
Vapor pressure	Not available.
Vapor density	Not available.
Relative density	Not available.
Solubility(ies)	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Viscosity	> 14 mm ² /s @ 40°C
Other information	
Explosive properties	Not explosive.
Oxidizing properties	Not oxidizing.
VOC	approx 360 g/L

10. Stability and reactivity

Reactivity	This product may react with strong oxidizing agents.
Possibility of hazardous reactions	Hazardous polymerization does not occur.
Chemical stability	Material is stable under normal conditions.
Conditions to avoid	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.
Incompatible materials	Strong oxidizing agents.
Hazardous decomposition products	May include and are not limited to: Oxides of carbon.

11. Toxicological information

Routes of exposure	Eye, Skin contact, Inhalation, Ingestion.
Information on likely routes of exposure	
Ingestion	May cause stomach distress, nausea or vomiting.
Inhalation	May cause drowsiness and dizziness. Headache. Nausea, vomiting. Prolonged inhalation may be harmful.
Skin contact	No adverse effects due to skin contact are expected.
Eye contact	Direct contact with eyes may cause temporary irritation.
Symptoms related to the physical, chemical and toxicological characteristics	May cause drowsiness and dizziness. Headache. Nausea, vomiting. Coughing.

Information on toxicological effects

Acute toxicity	Not classified.
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Components	Species	Test Results
1-Propanol, 2-methyl- (CAS 78-83-1)		
Acute		
<i>Dermal</i>		
LD50	Rabbit	> 2000 mg/kg, 24 Hours, male, ECHA
<i>Inhalation</i>		
LC50	Rat	> 18.2 mg/L, 6 Hours, ECHA
<i>Oral</i>		
LD50	Rat	> 2830 mg/kg, male, ECHA
Benzenepropanoic acid, 3,5-bis(1,1-dimethylethyl)-4-hydroxy-, C7_9-branched alkyl esters (CAS 125643-61-0)		
Acute		
<i>Dermal</i>		
LD50	Rat	> 2000 mg/kg, ECHA
<i>Inhalation</i>		
LC50	Not available	
<i>Oral</i>		
LD50	Rat	> 2000 mg/kg, ECHA

Components	Species	Test Results
Carbon black (CAS 1333-86-4)		
Acute		
Dermal		
LD50	Not available	
Inhalation		
LC50	Rat	6750 mg/m³, CCOHS
Oral		
LD50	Rat	> 10000 mg/kg, ECHA
Naphtha (petroleum), hydrotreated heavy (CAS 64742-48-9)		
Acute		
Dermal		
LD50	Rabbit	> 1900 mg/kg, 24 Hours, ECHA
Inhalation		
LC50	Rat	> 5 mg/L, 4 Hours, ECHA
Oral		
LD50	Rat	> 5000 mg/kg, ECHA
Skin corrosion/irritation	Prolonged skin contact may cause temporary irritation.	
Exposure minutes	Not available.	
Erythema value	Not available.	
Oedema value	Not available.	
Serious eye damage/eye irritation	Direct contact with eyes may cause temporary irritation.	
Corneal opacity value	Not available.	
Iris lesion value	Not available.	
Conjunctival reddening value	Not available.	
Conjunctival oedema value	Not available.	
Recover days	Not available.	
Respiratory or skin sensitization		
Canada - Alberta OELs: Irritant		
1-Propanol, 2-methyl- (CAS 78-83-1)	Irritant	
Respiratory sensitization	Not a respiratory sensitizer.	
Skin sensitization	This product is not expected to cause skin sensitization.	
Mutagenicity	Contains < 3% (w/w) DMSO-extract	
Carcinogenicity	Contains < 3% (w/w) DMSO-extract Carbon black is not unbound and in a respirable form within this product. Therefore it is not considered carcinogenic as it is biologically unavailable for the intended product use.	
ACGIH Carcinogens		
Carbon black (CAS 1333-86-4)	A3 Confirmed animal carcinogen with unknown relevance to humans.	
Canada - Manitoba OELs: carcinogenicity		
Carbon black (CAS 1333-86-4)	Confirmed animal carcinogen with unknown relevance to humans.	
IARC Monographs. Overall Evaluation of Carcinogenicity		
Carbon black (CAS 1333-86-4)	Supplement 7, Volume 65, Volume 93 - 2B Possibly carcinogenic to humans.	
Naphtha (petroleum), hydrotreated heavy (CAS 64742-48-9)	Volume 47 - 3 Not classifiable as to carcinogenicity to humans.	
OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052)		
Not listed.		
US NTP Report on Carcinogens: Known carcinogen		
Carbon black (CAS 1333-86-4)	Known To Be Human Carcinogen.	
Reproductive toxicity	Not classified.	
Teratogenicity	Not available.	
Specific target organ toxicity - single exposure	May cause drowsiness and dizziness.	

Specific target organ toxicity - repeated exposure	Not classified.
Aspiration hazard	Not an aspiration hazard.
Chronic effects	Prolonged inhalation may be harmful.

12. Ecological information

Ecotoxicity See below

Ecotoxicological data Components

		Species	Test Results
1-Propanol, 2-methyl- (CAS 78-83-1)			
Crustacea	EC50	Daphnia	1300 mg/L, 48 Hours
Aquatic			
Crustacea	EC50	Water flea (Daphnia pulex)	950 - 1200 mg/L, 48 hours
Fish	LC50	Bleak (Alburnus alburnus)	1000 - 3000 mg/L, 96 hours
Cyclohexanone Oxime (CAS 100-64-1)			
Aquatic			
Fish	LC50	Fathead minnow (Pimephales promelas)	189 - 230 mg/L, 96 hours

Persistence and degradability No data is available on the degradability of any ingredients in the mixture.

Bioaccumulative potential No data available.

Mobility in soil No data available.

Mobility in general Not available.

Other adverse effects No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

13. Disposal considerations

Disposal instructions Dispose of contents/container in accordance with local/regional/national/international regulations.

Local disposal regulations Dispose in accordance with all applicable regulations.

Hazardous waste code The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

Waste from residues / unused products Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

Contaminated packaging Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. Transport information

Transport of Dangerous Goods (TDG) Proof of Classification Classification Method: Classified as per Part 2, Sections 2.1 – 2.8 of the Transportation of Dangerous Goods Regulations. If applicable, the technical name and the classification of the product will appear below.

U.S. Department of Transportation (DOT)

Not regulated as dangerous goods.

Transportation of Dangerous Goods (TDG - Canada)

Not regulated as dangerous goods.

15. Regulatory information

Canadian federal regulations This product has been classified in accordance with the hazard criteria of the HPR and the SDS contains all the information required by the HPR.

Canada DSL Challenge Substances: Listed substance

Carbon black (CAS 1333-86-4) Listed.

Canada NPRI VOCs with Additional Reporting Requirements: Mass reporting threshold/Identification Number

Naphtha (petroleum), hydrotreated heavy (CAS 64742-48-9) 1 TONNES

Export Control List (CEPA 1999, Schedule 3)

Not listed.

Greenhouse Gases

Not listed.

Precursor Control Regulations

Not regulated.

WHMIS 2015 Exemptions Controlled

US federal regulations

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4)

1-Propanol, 2-methyl- (CAS 78-83-1) Listed.

SARA 304 Emergency release notification

Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052)

Not listed.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

SARA 302 Extremely hazardous substance No

SARA 311/312 Hazardous chemical Yes

Classified hazard categories Flammable (gases, aerosols, liquids, or solids)
Specific target organ toxicity (single or repeated exposure)

SARA 313 (TRI reporting)

Not regulated.

Other federal regulations**Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List**

Not regulated.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

US state regulations See below**US - California Hazardous Substances (Director's): Listed substance**

1-Propanol, 2-methyl- (CAS 78-83-1) Listed.
Carbon black (CAS 1333-86-4) Listed.

US - Illinois Chemical Safety Act: Listed substance

1-Propanol, 2-methyl- (CAS 78-83-1)

US - Louisiana Spill Reporting: Listed substance

1-Propanol, 2-methyl- (CAS 78-83-1) Listed.

US - Minnesota Haz Subs: Listed substance

1-Propanol, 2-methyl- (CAS 78-83-1) Listed.
Carbon black (CAS 1333-86-4) Listed.

US - Texas Effects Screening Levels: Listed substance

1-Propanol, 2-methyl- (CAS 78-83-1) Listed.
Benzenepropanoic acid, 3,5-bis(1,1-dimethylethyl)-4-hydroxy-, C7_9-branched alkyl esters (CAS 125643-61-0) Listed.
Carbon black (CAS 1333-86-4) Listed.
Cyclohexanone Oxime (CAS 100-64-1) Listed.
Naphtha (petroleum), hydrotreated heavy (CAS 64742-48-9) Listed.

US. Massachusetts RTK - Substance List

1-Propanol, 2-methyl- (CAS 78-83-1)
Carbon black (CAS 1333-86-4)

US. New Jersey Worker and Community Right-to-Know Act

1-Propanol, 2-methyl- (CAS 78-83-1)
Carbon black (CAS 1333-86-4)

US. Pennsylvania Worker and Community Right-to-Know Law

1-Propanol, 2-methyl- (CAS 78-83-1)
Carbon black (CAS 1333-86-4)
Naphtha (petroleum), hydrotreated heavy (CAS 64742-48-9)

US. Rhode Island RTK

1-Propanol, 2-methyl- (CAS 78-83-1)
Carbon black (CAS 1333-86-4)

US. California Proposition 65

WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

Inventory status

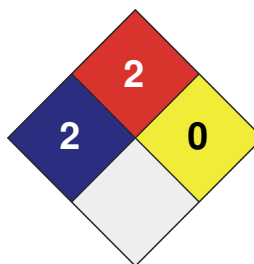
Country(s) or region	Inventory name	On inventory (yes/no)*
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

16. Other information

LEGEND	
Severe	4
Serious	3
Moderate	2
Slight	1
Minimal	0

HEALTH	/ 2
FLAMMABILITY	2
PHYSICAL HAZARD	0
PERSONAL PROTECTION	X

**Disclaimer**

Information contained herein was obtained from sources considered technically accurate and reliable. While every effort has been made to ensure full disclosure of product hazards, in some cases data is not available and is so stated. Since conditions of actual product use are beyond control of the supplier, it is assumed that users of this material have been fully trained according to the requirements of all applicable legislation and regulatory instruments. No warranty, expressed or implied, is made and supplier will not be liable for any losses, injuries or consequential damages which may result from the use of or reliance on any information contained in this document.

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01

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Prepared by

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Further information

Not available.

Other information

For an updated SDS, please contact the supplier/manufacture listed on the first page of the document.