



Safety Data Sheet

The Craftsman Collection

TOFFEE



1. Identification

Product identifier	The Craftsman Collection TOFFEE		
Product code	CC014		
Other means of identification	N/Av.		
Recommended use of the chemical and restrictions on use	PAINT.		
Manufacturer	GEMINI INDUSTRIES, INC. 2300 Holloway Drive El Reno, OK 73036 Tel. 1-800-262-5710 Fax 1-405-262-9310 www.geminicoatings.com	Distributor	Gemini Industries, Inc. 850 Flint Road Toronto, Ontario Canada M3J 2T7 Tel. 1-800-262-5710
Emergency phone number	INFOTRAC 800-535-5053 Outside USA, Call Collect 1-352-323-3500 (French & English) 24-hour PPG Architectural Coatings Canada Inc. 1-450-442-7999, 8h00-17h00 HAZMAT Response and MSDS help: EMI 800-510-8510		

2. Hazard identification

Summary	Keep away from heat, sparks and open flame. Avoid contact with skin, eyes and clothing. Do not breathe vapors, mists or aerosols. Do not ingest. If ingested consult physician immediately and show this Safety Data Sheet. Wear eye protection, gloves and other protective clothing that are adapted to the task being performed and the risks involved.
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WHMIS 2015/OSHA HCS 2012/GHS



Flammable liquids (Category 3)
 Acute toxicity, dermal (Category 4)
 Skin corrosion/irritation (Category 2)
 Serious eye damage/eye irritation (Category 2A)
 Skin sensitizer (Category 1)
 Germ cell mutagenicity (Category 1B)
 Carcinogenicity (Category 1B)
 Reproductive toxicity (Category 1B)
 Aspiration hazard (Category 1)

DANGER

H226: Flammable liquid and vapour
 H350: May cause cancer
 H340: May cause genetic defects
 H360: May damage fertility or the unborn child
 H304: May be fatal if swallowed and enters airways
 H312: Harmful in contact with skin
 H319: Causes serious eye irritation
 H315: Causes skin irritation
 H317: May cause an allergic skin reaction
 P201: Obtain special instructions before use.
 P202: Do not handle until all safety precautions have been read and understood.

P210: Keep away from heat, sparks, open flames and other ignition sources. No smoking.
P233: Keep container tightly closed.
P240: Ground or bond container and receiving equipment.
P241: Use explosion-proof electrical, ventilating, lighting and all material-handling equipment.
P242: Use only non-sparking tools.
P243: Take precautionary measures against static discharge.
P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
P264: Wash skin thoroughly after handling.
P272: Contaminated work clothing should not be allowed out of the workplace.
P273: Avoid release to the environment.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P301+310+331: IF SWALLOWED: Immediately call a POISON CENTER or a physician. Do NOT induce vomiting.
P303+361+353: IF ON SKIN (or hair): Remove immediately all contaminated clothing. Rinse skin with water and soap or take a shower if necessary.
P333+313: If skin irritation or a rash occurs: Get medical advice/attention.
P305+351+338: IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
P337+313: If eye irritation persists: Get medical advice or attention.
P312: Call a POISON CENTER or doctor/physician if you feel unwell.
P308+313: IF exposed or concerned: Get medical advice/attention.
P362+364: Take off contaminated clothing and wash before reuse.
P370+378: In case of fire: Use the National Fire Protection Association Class B extinguisher for extinction.
P403+235: Store in a well ventilated place. Keep cool.
P405: Store locked up.
P501: Dispose of contents and container to a licensed chemical disposal agency in accordance with local, regional and national regulations.

3. Composition/information on ingredients

Common name	CAS	Weight % content
Solvent naphtha (petroleum), heavy aromatic (C9-C16)	64742-94-5	40 - 41 %
Stoddard solvent (Mineral Spirits)	8052-41-3	32 - 33 %
2-Butoxyethanol	111-76-2	4.5 - 5.5 %
Naphthalene	91-20-3	4 - 5 %
1,2,4-Trimethylbenzene	95-63-6	2.5 - 3.5 %
Synthetic Amorphous Fumed Silica	112945-52-5	1.5 - 2.5 %
Solvent naphtha (petroleum), light aromatic (C8 to C10)	64742-95-6	0.5 - 1.5 %
Iron (III) Oxide	1309-37-1	0.5 - 1.5 %
Xylene	1330-20-7	0.1 - 1 %
Carbon black	1333-86-4	0.1 - 1 %

4. First-aid measures

Inhalation	Move person to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen by trained personnel. If a problem develops or persists, seek medical attention.
Skin contact	Wash skin with warm water and mild soap for at least 15 minutes. Remove contaminated clothing and wash before reuse. Avoid touching eyes with contaminated body parts. If a problem develops or persists, seek medical attention.
Eye contact	IMMEDIATELY flush with plenty of water. Remove contact lenses. Flush with water for at least 15 minutes. Hold eyelids apart to rinse properly. If a problem develops or persists, seek medical attention.

Ingestion	DO NOT induce vomiting, unless recommended by medical personnel. Never give anything by mouth if victim is unconscious or convulsing. If victim is conscious wash out mouth with water and give 1-2 glasses of water to drink. If spontaneous vomiting occurs, keep head below hips level to prevent aspiration into the lungs. Seek medical attention or contact a Poison Centre immediately.
Other	No information available.
Symptoms	Aspiration hazards into the lungs (ingestion/vomiting). Can enter lungs and cause damage. Signs of lung involvement include increased respiratory rate, increased heart rate, and a bluish discoloration of the skin. Coughing, choking and gagging are often noted at the time of aspiration.
Notes to the physician	Treat symptomatically.

5. Fire-fighting measures

Suitable extinguishing media	Class B extinguishers. Dry chemicals, alcohol resistant foam, carbon dioxide (CO ₂). Do not use direct water jet.
Specific hazards arising from the chemical	Vapors are heavier than air and may travel to an ignition source distant from the material handling point. May be ignited by heat, sparks, flame or static electricity. Do not apply to hot surfaces. Contact with strong oxidizers may cause fire. In a fire or if heated, a pressure increase will occur and the container may burst. Emits toxic fumes under fire conditions.
Special protective equipment	Firefighters must wear self contained breathing apparatus with full face mask. Firefighting suit may not be efficient against chemicals.
Special protective actions for fire-fighters	Water stream can scatter and spread fire. If water is used, fog nozzles are preferable. Use water spray to cool fire-exposed containers.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures	Do not touch spilled material. Make sure to wear personal protective equipment mentioned in this Safety Data Sheet.
Environmental precautions	Prevent entry in sewer and other enclosed area. For a large spillage, consult the Department of Environment or the relevant authorities.
Methods and materials for containment and cleaning up	Remove sources of ignition. Ventilate the area well. Stay against the wind spill. Make sure you have a fire extinguisher near you. Stop leak, if it's possible to do so without risk. Use non-sparkling and antistatic tools. Absorb with inert material (soil, sand, vermiculite, Dustbane) and place in an appropriate waste disposal clearly identified. Dispose via a licensed waste disposal contractor. Finish cleaning by rinsing with soapy water the contaminated surface.

7. Handling and storage

Precautions for safe handling	Keep away from heat, sparks and open flame. Turn off all pilot lights, flames, stoves, heaters, electric motors, welding equipment and other sources of ignition. Use non-sparkling and antistatic tools. Ground/bond all containers when transfer large quantities (5 gallons US or 20 L and more). Use only in well ventilated area. Avoid prolonged or repeated breathing of vapor or mists. Avoid contact with skin, eyes and clothing. Make sure to wear personal protective equipment mentioned in this Safety Data Sheet. Keep containers tightly closed when not used. Containers of this material may be hazardous when emptied. Since emptied containers retain product residues (vapor, liquid), all hazard precautions given in this sheet must be observed. Do not eat, do not drink and do not smoke during use. Wash hands, forearms and face thoroughly after handling this compound and before eating, drinking or using toilet articles. Remove contaminated clothing and wash before reuse. Rags, steel wool and paper towels soaked with this product may overheat and spontaneously ignite if piled in a
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heap. After use immediately store them in water-filled metal can with tight fitting lid.

Conditions for safe storage, including any incompatibilities

Storage and handling should follow the NFPA 30 Flammable and/or Combustible Liquids Code and the National Fire Code of Canada (NFCC). Store tightly closed and in properly labelled container in a dry, cool and well ventilated place. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Store away from oxidizing materials and incompatible materials (see section 10).

Storage temperature

10 to 25°C (50 to 77°F)

8. Exposure controls/personal protection

Immediately Dangerous to Life or Health

Stoddard solvent (Mineral Spirits): 20000 mg/m³.
 2-Butoxyethanol: 700 ppm.
 Naphthalene: 250 ppm.
 Synthetic Amorphous Fumed Silica: 3000 mg/m³.
 Iron (III) Oxide: 2500 mg/m³, value as iron.
 Carbon Black: 1750 mg/m³.
 Xylenes: 900 ppm.

Stoddard solvent (Mineral Spirits)	STEL		580 mg/m ³	BC	
	TWA (8h)		290 mg/m ³	BC	
2-Butoxyethanol	TWA (8h)		100 ppm	525 mg/m ³	ACGIH , ON, RSST
			500 ppm	2900 mg/m ³	OSHA
			20 ppm		ACGIH , BC, ON
			20 ppm	97 mg/m ³	RSST
Naphthalene	STEL		50 ppm	240 mg/m ³	OSHA
			15 ppm		BC
			15 ppm	78 mg/m ³	ON
			15 ppm	79 mg/m ³	ACGIH , RSST
1,2,4-Trimethylbenzene	TWA (8h)		10 ppm		BC , OSHA
			10 ppm	52 mg/m ³	ACGIH , ON, RSST
			25 ppm		ACGIH , BC, ON, OSHA
			25 ppm	123 mg/m ³	RSST
Synthetic Amorphous Fumed Silica	TWA (8h)	Respirable Dust		1.5 mg/m ³	BC
		Respirable Dust		3 mg/m ³	ACGIH , ON
		Total Dust		4 mg/m ³	BC
		Respirable Dust		6 mg/m ³	RSST
		Total Dust		10 mg/m ³	ACGIH , ON
Iron (III) Oxide	TWA (8h)	Respirable Dust		5 mg/m ³	ACGIH , BC, ON, RSST
		Fume and Dust		10 mg/m ³	OSHA
Xylene	STEL		150 ppm		ACGIH , BC, ON
			150 ppm	651 mg/m ³	RSST
			150 ppm	655 mg/m ³	OSHA
	TWA (8h)		100 ppm		ACGIH , BC, ON
			100 ppm	434 mg/m ³	RSST
			100 ppm	655 mg/m ³	OSHA
Carbon black	Ceiling			3.5 mg/m ³	OSHA
	TWA (8h)			3 mg/m ³	ACGIH , BC, ON
					3.5 mg/m ³

Appropriate engineering controls

Provide sufficient mechanical ventilation (general and/or local exhaust) to keep the airborne concentrations of vapors, mists, aerosols or dust below their respective occupational exposure limits.

Individual protection measures	
Eye	Wear safety glasses. If risk of contact with eyes wear chemical splash goggles.
Hands	In case of prolonged contact wear neoprene or nitrile gloves. Before using, user should confirm impermeability. Discard gloves that show tears, pinholes, or signs of wear. Gloves must only be worn on clean hands. Wash gloves with water before removing them. After using gloves, hands should be washed and dried thoroughly. Disposable nitrile gloves can also be used, but discard after single use.
Skin	Personal protective equipment for the body should be selected based on the task being performed and the risks involved. Wear normal work clothing covering arms and legs as required by employer code. Wear synthetic apron, if necessary, to prevent repeated or prolonged contact with skin.
Respiratory	Respiratory protection equipment (PPE) must be selected, fitted, maintained and inspected in accordance with regulations and CSA Standard Z 94.4 and approved by NIOSH / MSHA. In case of insufficient ventilation or in enclosed area until maximum 10 times of exposure limit, wear half mask respirator with organic vapors cartridges and fitted with a particulate filter.
Feet	Wear rubber boots to clean up a spill.

9. Physical and chemical properties

Physical state	Liquid	Flammability	Combustible
Colour	Coloured	Flammability limits	N/Av.
Odour	Solvent	Flash point	44°C (111.2°F)
Odour threshold	N/Av.	Auto-ignition temperature	226°C (438.8°F)
pH	N/Ap.	Sensibility to electrostatic charges	Yes
Melting point	N/Ap.	Sensibility to sparks and/or friction	N/Av.
Freezing point	N/Ap.	Vapour density	>1 (Air = 1)
Boiling point	150°C (302°F)	Relative density	0.899 kg/L (Water = 1)
Solubility	N/Av.	Partition coefficient n-octanol/water	N/Av.
Evaporation rate	> Acétate de butyle	Decomposition temperature	N/Av.
Vapour pressure	N/Av.	Viscosity	N/Av.
Percent Volatile	87.4%	Molecular mass	N/Ap.
N/Av.: Not Available N/Ap.: Not Applicable Und.: Undetermined N/E: Not Established			

10. Stability and reactivity

Reactivity	No information available.
Chemical stability	Stable under recommended storage conditions.
Possibility of hazardous reactions (including polymerizations)	A dangerous reaction will not occur.
Conditions to avoid	Avoid heat, flame and sparks. Avoid electro-static discharge. Avoid contact with incompatible materials.

Incompatible materials	Strong oxidants, strong bases, mineral acids, strong acids.
Hazardous decomposition products	In combustion: nitrogen oxides, carbon oxides (CO, CO ₂).

11. Toxicological information

Numerical measures of toxicity	Mixture	Inhalation 528 mg/l Skin 1758 mg/kg	Rat LC50 Rabbit LD50	
	Solvent naphtha (petroleum), heavy aromatic (C9-C16)	Ingestion 7050 mg/kg	Rat LD50	
		Inhalation >5.2 mg/l/4h Skin >2000 mg/kg	Rat LC50 Rat LD50	
	Stoddard solvent (Mineral Spirits)	Ingestion >5000 mg/kg	Rat LD50	
		Inhalation >12 mg/l/4h Skin >3000 mg/kg	Rat LC50 Rabbit LD50	
		Ingestion 560 mg/kg	Rat LD50	
	2-Butoxyethanol	Inhalation 2.21 mg/l/4h	Rat LC50	
		Skin 220 mg/kg	Rabbit LD50	
	Naphthalene	Ingestion 533 mg/kg	Rat LD50	
		Inhalation >1 mg/l/1h	Rat LC50	
		Skin >2500 mg/kg	Rabbit LD50	
	1,2,4-Trimethylbenzene	Ingestion 5000 mg/kg	Rat LD50	
		Inhalation 18 mg/l/4h	Rat LC50	
		Skin >3160 mg/kg	Rabbit LD50	
Synthetic Amorphous Fumed Silica	Ingestion >5000 mg/kg	Rat LD50		
	Inhalation >2.08 mg/l/4h	Rat LC50		
	Skin >5000 mg/kg	Rabbit LD50		
Solvent naphtha (petroleum), light aromatic (C8 to C10)	Ingestion 8400 mg/kg	Rat LD50		
	Inhalation >5.2 mg/l/4h	Rat LC50		
	Skin >3750 mg/kg	Rabbit LD50		
Iron (III) Oxide	Ingestion >10000 mg/kg	Rat LD50		
	Skin >2000 mg/kg	Rabbit LD50		
Carbon black	Ingestion >15400 mg/kg	Rat LD50		
	Skin >3000 mg/kg	Rabbit LD50		
Xylene	Ingestion 3523 mg/kg	Rat LD50		
	Inhalation 27.6 mg/l/4h	Rat LC50		
	Skin 3200 mg/kg	Rabbit LD50		
Likely routes of exposure	Skin, eyes, inhalation, ingestion.			
Delayed, immediate and chronic effects	Eye contact	May cause irritation, redness, tearing and blurred vision.		
	Skin contact	May cause redness, redness ou rash. Prolonged and repeated contact may cause skin drying, irritation or dermatitis. Widespread contact with skin for several hours can cause harmful amounts of material to be absorbed.		
	Inhalation	Excessive inhalation is harmful. May cause irritation to nose, throat and respiratory tract. High concentrations may cause central nervous system depression characterized by headache, dizziness, nausea, fatigue, drowsiness, unconsciousness. asphyxia. The severity of symptoms may vary depending on exposure conditions. Prolonged exposure may cause liver, kidney, lung and blood forming organs damages. Repeated overexposure may cause brain damage, damage to the central nervous system.		
	Ingestion	May cause gastro-intestinal irritation with nausea and vomiting. Harmful or fatal if inhaled into the lungs (ingestion/vomiting). Contains a substance that can cause target organ damage, according to data obtained on animals.		
Respiratory or skin sensitization	Potential sensitization by skin contact.			

	<p>IRAC/NTP Classification</p> <p>Common name IRAC NTP Naphthalene 2B R Carbon black 2B -</p> <p><small>IARC : 1- Carcinogenic; 2A- Probably carcinogenic; 2B- Possibly carcinogenic. NTP : K- Known to be carcinogens; R- Reasonably anticipated to be carcinogens.</small></p> <p>Carcinogenicity</p> <p>Mutagenicity</p> <p>Reproductive toxicity</p>
Interactive effects	No information available for this product.
Other information	Target organs: brain, central nervous system, kidneys, liver, lungs, blood forming organs.

12. Ecological information

Ecological toxicity	<p>Oncorhynchus mykiss LC50 2.34 mg/L - 96 h (Solvent naphtha (petroleum), heavy aromatic (C9-C16))*</p> <p>Daphnia magna EC50 0.95 mg/L - 48 h (Solvent naphtha (petroleum), heavy aromatic (C9-C16))*</p> <p>Oncorhynchus mykiss LC50 0.91-2.82 mg/L - 96 h (naphthlene)*</p> <p>Daphnia magna EC50 1.09-3.4 mg/L - 48 h (naphthlene)*</p> <p>Pimephales promelas LC50 7.19-8.28 mg/L - 96 h (1,2,4-trimethylbenzene)*</p> <p>Daphnia magna EC50 6.14 mg/L - 48 h (1,2,4-trimethylbenzene)*</p> <p>Oncorhynchus mykiss LC50 9.22 mg/L - 96 h (Solvent naphtha (petroleum), light aromatic (C8 to C10))*</p> <p>Daphnia magna EC50 6.14 mg/L - 48 h (Solvent naphtha (petroleum), light aromatic (C8 to C10))*</p>
Persistence	No information available for this product.
Degradability	No information available for this product.
Bioaccumulative potential	No information available for this product.
Mobility in soil	No information available for this product.
Other adverse effects	This chemical does not deplete the ozone layer. Uncontrolled release of the product may result in contamination of air, ground, waterways and/or sewers. *Data from Gemini Coatings safety data sheet.

13. Disposal considerations

<p>Container</p> 	<p>Important! Prevent waste generation. Use in full. DO NOT throw residual to sewer, streams, sewers or drinking water supply. DO NOT puncture, cut, heat or burn container, even after use. Paint residues including lacquer, thinner, stain, shellac, varnish, polish can be reprocessed everywhere there is a recycling program. Dispose via a licensed waste disposal contractor. Observe all federal, state/provincial and municipal regulations. If necessary consult the Department of Environment or the relevant authorities.</p>
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14. Transport information

UN Number	UN 1263
UN Proper Shipping Name	PAINT
Environmental hazards	Contains an ingredient which is a marine pollutant.
Special precautions	Permit required for transportation with proper placards displayed on vehicle.

aromatic (C8 to C10)									
Iron (III) Oxide	1309-37-1	X							
Xylene	1330-20-7	X	X	X		X	X		X
Carbon black	1333-86-4	X							

- TSCA: Toxic Substance Control Act
- CERCLA: Comprehensive Environmental Response, Compensation, and Liability Act list of hazardous substances
- EPCRA 313: Emergency Planning and Community Right-to-Know Act, Section 313 Toxic Chemicals
- EPCRA 302/304: Emergency Planning and Community Right-to-Know Act, Section 302/304 Extremely Hazardous Substances
- CAA 112(b) HON: Clean Air Act - Hazardous Organic National Emission Standard for Hazardous Air Pollutant
- CAA 112(b) HAP: Clean Air Act - Hazardous Air Pollutants lists pollutants
- CAA 112(r): Clean Air Act - Regulated Chemicals for Accidental Release Prevention
- CWA 311: Clean Water Act - List of Hazardous Substances
- CWA Priority: Clean Water Act - Priority Pollutant list

California Proposition 65

Common name	CAS	Cancer	Reproductive and Developmental Toxicity
Naphthalene	91-20-3	X	
Carbon black	1333-86-4	X	

Other regulations

WHMIS 1988



B3 D1A D2A D2B

Class B3 : Combustible Liquid

Class D1A : Very toxic material causing immediate and serious toxic effects

Class D2A : Very toxic material causing other toxic effects

Class D2B : Toxic material causing other toxic effects

HMIS



3 Health

3 Flammability

1 Reactivity

X Protective Equipment

NFPA



16. Other information

Date (YYYY-MM-DD)	GEMINI INDUSTRIES, INC. 2015-12-09
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Version	01
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Other information	<p>REFERENCES:</p> <ul style="list-style-type: none"> - Original safety data sheet (product code CC014) from Gemini Coatings. Date prepared: 2015-10-20. - Haz-Map, Information on Hazardous Chemicals and Occupational Diseases, http://hazmap.nlm.nih.gov/index.php - Service du répertoire toxicologique de la Commission de la santé et de la sécurité du travail (CSST), http://www.reptox.csst.qc.ca - NIOSH Pocket Guide to Chemical Hazards, Centers for Disease Control and Prevention, NIOSH Publications, 2007, http://www.cdc.gov/niosh/npg/npg.html - IPCS INCHEM, Chemical Safety Information from Intergovernmental Organizations, Canadian Centre for Occupational Health and Safety (CCOHS), Copyright International Programme on Chemical Safety (IPCS), http://www.inchem.org - IUCLID Chemical Dataset, European Chemical Substances Information System (ESIS), Joint Research Centre, http://esis.jrc.ec.europa.eu
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- OECD Existing Chemicals Database, Chemicals Screening Information DataSet (SIDS) for High Volume Chemicals, UNEP publications, <http://webnet.oecd.org/HPV/UI/Search.aspx>

ACGIH: American Conference of Governmental Industrial Hygienists

AIHA: American Industrial Hygiene Association

HMIS: Hazardous Materials Identification System

NFPA: National Fire Protection Association

OSHA: Occupational Safety and Health Administration (USA)

NIOSH: National Institute for Occupational Safety and Health

NTP: National Toxicology Program

RSST: Règlement sur la santé et la sécurité du travail (Québec)

GHS: Globally Harmonized System

IARC: International Agency for Research on Cancer

IDLH: Immediately Dangerous to Life or Health

STEL: Short Term Exposure Limit (15 min)

TWA: Time Weighted Averages

WHMIS: Workplace Hazardous Materials Information System

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