

SAFETY DATA SHEET (SDS)

CCS CITRUS ESSENCE BRUSH CLEANER

SECTION 1 – IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Identification

Name CCS CITRUS ESSENCE BRUSH CLEANER
 Trade name Orange Terpenes (Natural, steam-distilled)
 CAS-No. 68647723
 EC-No. 614-678-6

Relevant identified uses of the substance or mixture

Relevant identified uses Brush cleaner for oil paint
 Use of the substance/mixture Solvent

Details of manufacturer or importer

Company name Chelsea Classical Studio LLC
 Address 526 West 26th Street
 Suite #415
 New York, NY 10001
 Telephone 212-255-0206
 Contact person Brandon Soloff
 Website www.chelseaclassicalstudiofineartmaterials.com
 Emergency phone number 1-800-424-9300 24 Hours Emergency Chemtrec
 Outside USA: 1-703-527-3887

SECTION 2 - HAZARD(S) IDENTIFICATION

FDA and FEMA list it as GRAS- Generally Regarded as Safe
 NTP, OSHA and IARC DO NOT list this product as carcinogenic to humans
 Unused product IS NOT listed by EPA as hazardous waste (40 CFR part 26 IQ)
 This product IS NOT listed on California’s Prop 65 Toxic Substance List
 This product DOES NOT contain lead, cadmium, mercury, or hexavalent chromium since it is a citrus derived by-product produced by steam distillation.

Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Flam. Liq. 3 H226-Flammable liquid and vapor
 Skin Irrit. 2 H315-Causes skin irritation
 Skin Sens. 1 H317-May cause an allergic skin reaction
 Asp. Tox. 1 H304-May be fatal if swallowed and enters airways
 Aquatic Acute 1 H400-Very toxic to aquatic life
 Aquatic Chronic 1 H410-Toxic to aquatic life with long lasting effects

Label elements

Regulation (EC) No. 1272/2008 [CLP] labeling

Hazard pictograms (CLP)



GHS02 GHS07 GHS08 GHS09

Signal word (CLP)

Danger

Hazardous ingredients

Orange Terpenes

Precautionary statements

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
 P280 Wear protective gloves/protective clothing/eye protection.
 P301+P310 – IF SWALLOWED: immediately call a POISON CENTER or doctor/physician. Do NOT induce vomiting.
 P321 - Specific treatment (see supplemental first aid instruction on this label)
 P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.
 P362+P364 - Take off contaminated clothing and wash it before reuse.
 P403+P235 - Store in a well ventilated place. Keep cool.
 P501 - Dispose in a safe manner in accordance with local/national regulations.

Other Hazards

Adverse physicochemical, human health and environmental effects

Flammable liquid and vapour. Causes skin irritation. May cause an allergic skin reaction. May be fatal if swallowed and enters airways.

SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

Mixture

Name	Product identifier	%	Regulation (EC) No. 1272/2008 [CLP]
Orange Terpenes	(CAS-No.) 68647723	>= 80	Flam. Liq. 3, H226 Skin. Irrit 2, H315 Skin Sens. 1B, H317 Asp. Tox. 1, H304 Aquatic Acute 1, H400 Aquatic Chronic 1, H410

Full text of H-statements: see section 16

SECTION 4 - FIRST AID MEASURES

No acute health effects expected.

Description of first aid measures

First-aid measures general

Unconscious: maintain adequate airway and respiration. Check the vital functions. Vomiting: prevent asphyxia/aspiration pneumonia. Respiratory arrest: artificial respiration or oxygen. Prevent cooling by covering the victim (no warming up). Keep the victim calm, avoid physical strain. Keep watching the victim. Give psychological aid. Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible). Cardiac arrest: perform resuscitation. Call a physician immediately.

First-aid measures after inhalation

If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Assure fresh air breathing. Allow the victim to rest. Remove person to fresh air and keep comfortable for breathing.

First-aid measures after skin contact

If skin irritation occurs: get medical advice/attention. Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Wash contaminated clothing reuse. If skin irritation occurs: get medical advice/attention. If skin irritation or rash occurs: wash skin with plenty of water.

First-aid measures after eye contact water.

Do not apply (chemical) neutralizing agents. Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persists. Consult an ophthalmologist if irritation persists. Rinse eyes with water as a precaution.

First-aid measures after ingestion

Immediately after ingestion: give lots of water to drink. Do not induce vomiting. Rinse mouth with water, do not induce vomiting, call a doctor. Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER/doctor. Ingestion of large quantities: immediately to hospital. Call a physician immediately.

Most important symptoms and effects, both acute and delayed

Symptoms/injuries after inhalation

Irritation to the respiratory tract. May cause an allergic skin reaction. Irritation of the nasal mucous membranes.

Symptoms/injuries after skin contact.	Causes skin irritation. Tingling/irritation of the skin. Irritation. May cause an allergic skin reaction.
Symptoms/injuries after eye contact	Irritation of the eye tissue
Symptoms/injuries after ingestion	May be fatal if swallowed and enters airways. Diarrhea. Risk of lung oedema. Nausea.
Chronic symptoms	Skin rash/inflammation. Swelling of the skin. Itching.inflammation. Swelling of the skin. Itching.

Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5 - FIREFIGHTING MEASURES

Extinguishing media

Suitable extinguishing media Polyvalent foam. Foam. Dry powder. Carbon dioxide. Water spray. Sand. Alcohol resistant foam.

Unsuitable extinguishing media Do not use a heavy water stream.

Special hazards arising from the substance or mixture

Fire hazard Gas/vapour flammable with air within explosion limits. Flammable liquid and vapour. Flammable.

Explosion hazard Gas/vapour explosive with air within explosion limits. Indirect explosion-risk. Could be ignited by heat sparks or flame. May form flammable/explosive vapour-air mixture.

Hazardous decomposition products in case of fire Toxic fumes may be released.

Advice for firefighters

Firefighting instructions Use water moderately and if possible collect or contain it. Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire fighting water from entering the environment. Cool tanks/drums with water spray/remove them into safety.

Protection during firefighting Do not enter fire area without proper protective equipment, including respiratory protection. Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing. Heat/fire exposure: compressed air/oxygen apparatus.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

General measures Remove ignition sources. Use special care to avoid static electric charges. No open flames. No smoking.

Environmental precautions Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters. Avoid release to the environment.

Methods and material for containment and cleaning up

For containment Dam up the liquid spill. Do not use compressed air for pumping over spills. Contain leaking substance, pump over in suitable containers. Collect spillage.

Methods for cleaning up Take up liquid spill into absorbent material. Take up liquid spill into absorbent material, e.g.: sand, earth, vermiculite. This material and its container must be disposed of in a safe way, and as per local legislation. On land, sweep or shovel into suitable containers. Large spills: scoop solid spill into closing containers. Wash clothing and equipment after handling. Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials. Notify authorities if product enters sewers or public waters.

Other information Dispose of materials or solid residues at an authorized site.

SECTION 7 - HANDLING AND STORAGE

Precautions for safe handling

Additional hazards when processed	Handle empty containers with care because residual vapours are flammable.
Precautions for safe handling	Ensure good ventilation of the work station. Do not discharge the waste into the drain. Do not use compressed air for pumping over spills. Keep away from sources of ignition - No smoking. Keep container tight closed. Measure the concentration in the atmosphere. Remove contaminated clothing. Comply with local regulations for disposal. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. No open flames. No smoking. Take precautionary measures against static discharge. Use only non-sparking tools. Avoid breathing dust/fume/gas/mist/vapours/spray. Carry out operations in the open/under local exhaust/ventilation or with respiratory protection. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ground/bond container and receiving equipment. Flammable vapours may accumulate in the container. Use explosion proof equipment. Wear personal protective equipment. Avoid contact with skin and eyes. Use spark-/explosion proof appliances and lighting system.

Conditions for safe storage, including any incompatibilities

Storage conditions	Keep only in the original container in a cool, well ventilated place. Keep container tightly closed. Store locked up.
Heat and ignition sources	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Information on mixed storage	Oxidizing agent. Keep away from oxidizing agents.
Storage area	Ventilation along the floor. Provide the tank with earthing. Store away from heat. Keep only in the original container. Meet the legal requirements. Provide for a tub to collect spills.

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

No additional information available

Exposure controls

Appropriate engineering controls	Ensure good ventilation of the work station.
Personal protective equipment	Avoid all unnecessary exposure.
Materials for protective clothing	Nitrile rubber
Hand protection	Wear protective gloves/protective clothing/eye protection protective gloves.
Eye protection	Face shield. Chemical goggles or safety glasses. Safety glasses
Skin and body protection	Wear suitable protective clothing. Protective clothing
Respiratory protection	[In case of inadequate ventilation] wear respiratory protection. In case of insufficient ventilation, wear suitable respiratory equipment
Environmental exposure controls	Avoid release to the environment.
Other information	Do not eat, drink or smoke during use.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state	Liquid
Appearance	Liquid
Molecular mass	136.24 g/mol
Colour	Colorless to light yellow.
Odour	Orange Citrus odor. Mild odor.
Odour threshold	No data available
pH	4 (5 %)
pH solution	5 %
Relative evaporation rate (butylacetate=1)	No data available
Melting point	Not applicable
Freezing point	No data available
Boiling point	176°C

Flash point	129.2°F
Auto-ignition temperature	237°C
Decomposition temperature	No data available
Flammability (solid, gas)	Flammable liquid and vapour.
Vapour pressure	2.3 hPa
Relative vapour density at 20 °C	4.7
Relative density	0.839
Density	840 kg/m ³
Solubility	Soluble in ethanol. Soluble in ether. Soluble in oil. Soluble in tetrachloromethane. Water: insoluble
Log Pow	4.38 (Experimental value; OECD 117: Partition Coefficient (n-octanol/water), HPLC method; 37°C)
Viscosity, kinematic	1 mm ² /s (25°C)
Viscosity, dynamic	0.8462 mPa.s (25°C)
Explosive properties	No data available
Oxidising properties	No data available
Explosive limits	0.7 - 6.1 vol % 40 - 345 g/m ³
Other information	
VOC content	100 %
Other properties	Slightly volatile. Gas/vapour heavier than air at 20°C. Substance has acid reaction. Electrostatic charges may be generated during handling.

SECTION 10 - STABILITY AND REACTIVITY

Reactivity	The product is stable and non-reactive under normal conditions of use, transport and storage. Upon combustion CO and CO ₂ are formed. Oxidizes slowly on exposure to air: pre-oxidation resulting in increased fire or explosion risk. Polymerizes slowly on exposure to air. React with (strong) oxidizers: (increased) risk of fire/explosion. Reacts with (some) halogens compounds.
Chemical stability	Stable under normal conditions. Flammable liquid and vapour. May form flammable/explosive vapour-air mixture.
Possibility of hazardous reactions	No dangerous reaction known under normal usage.
Conditions to avoid	Direct sunlight. Extremely high or low temperatures. Open flame. Overheating. Heat. Sparks. Avoid contact with hot surfaces. No flames, no sparks. Eliminate all sources of ignition.
Incompatible materials	Strong acids. Strong bases.
Hazardous decomposition products	Fumes. Carbon monoxide. Carbon dioxide. May release flammable gases.

SECTION 11 - TOXICOLOGICAL INFORMATION

Information on toxicological effects	
Acute toxicity	Not classified.
Skin corrosion/irritation	May cause skin irritation.
Eye contact	Direct contact with eyes may cause temporary irritation.
Respiratory or skin sensitisation	Not a respiratory sensitizer. May cause an allergic skin reaction.
Germ cell mutagenicity	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic
Carcinogenicity	OSHA Specially Regulated Substances (29 CFR 1910.1001-1050) : Not listed.
Reproductive toxicity	This product is not expected to cause reproductive or developmental effects.
STOT-single exposure	Not classified
STOT-repeated exposure	Based on available data, the classification criteria are not met Not classified Based on available data, the classification criteria are not met
Aspiration hazard	May be fatal if swallowed and enters airways.
Potential adverse human health effects and symptoms	Based on available data, the classification criteria are not met.

SECTION 12 - ECOLOGICAL INFORMATION

Toxicity

Ecology - general	Dangerous for the environment. Very toxic to aquatic life with long lasting effects.
Ecology - air	TA-Luft Klasse 5.2.5/I. Not dangerous for the ozone layer.
Ecology - water	Highly toxic to fishes. Very toxic to invertebrates (Daphnia). Slightly harmful to a to algae (EC50 (72h): 100-1000 mg/l). pH shift. Very toxic aquatic life with long lasting effects.
Persistence and degradability	No additional information available
Bioaccumulative potential	No additional information available
Mobility in soil	
Results of PBT and vPvB assessment	No additional information 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.

SECTION 13 - DISPOSAL CONSIDERATIONS

Waste treatment methods

Waste treatment methods	Dispose of contents/container in accordance with licensed collector's sorting instructions.
Product/Packaging disposal recommendations	Remove to an authorized waste treatment plant. Dispose in a safe manner in accordance with local/national regulations. Do not discharge into surface water. Recycle by distillation.
Additional information	Hazardous waste. Handle empty containers with care because residual vapours are flammable. Flammable vapours may accumulate in the container.
Ecology - waste materials	Avoid release to the environment. Hazardous waste due to toxicity.
European List of Waste (LoW) code	07 01 04* - other organic solvents, washing liquids and mother liquors

SECTION 14 - TRANSPORT INFORMATION

In accordance with ADR / RID / IMDG / IATA / ADN

UN number

UN-No. (ADR)	2319
UN-No. (IMDG)	2319
UN-No. (IATA)	2319

UN proper shipping name

Proper Shipping Name (ADR)	TERPENE HYDROCARBONS, N.O.S (ORANGE TERPENES)
Proper Shipping Name (IMDG)	TERPENE HYDROCARBONS, N.O.S (ORANGE TERPENES)
Proper Shipping Name (IATA)	TERPENE HYDROCARBONS, N.O.S (ORANGE TERPENES)
Transport document description (ADR)	UN 2319 TERPENE HYDROCARBONS, N.O.S (ORANGE TERPENES) , 3, III, (D/E), ENVIRONMENTALLY HAZARDOUS
Transport document description (IMDG)	UN 2319 TERPENE HYDROCARBONS, N.O.S (ORANGE TERPENES), 3, III, MARINE POLLUTANT/ENVIRONMENTALLY HAZARDOUS (43°C c.c.)

Transport hazard class(es):

ADR

Transport hazard class(es) (ADR)	3	3
Danger labels (ADR)		



IMDG

Transport hazard class(es) (IMDG)	3	
Danger labels (IMDG)		3



IATA

Transport hazard class(es) (IATA)	3	
Hazard labels (IATA)		3



Packing group

Packing group (ADR)	III
Packing group (IMDG)	III
Packing group (IATA)	III

Environmental hazards

Dangerous for the environment	Yes
Marine pollutant	Yes
Other information	No supplementary information available

Special precautions for user:

- Overland transport

Classification code (ADR)	F1
Limited quantities (ADR)	5I
Excepted quantities (ADR)	E1
Packing instructions (ADR)	P001, IBC03, LP01, R001
Mixed packing provisions (ADR)	MP19
Portable tank and bulk container instructions (ADR)	T2
Portable tank and bulk container special provisions (ADR)	TP1
Tank code (ADR)	LGBF
Vehicle for tank carriage	FL
Transport category (ADR)	3
Special provisions for carriage - Packages (ADR)	V12
Special provisions for carriage - Operation (ADR)	S2
Tunnel restriction code (ADR)	D/E

- Transport by sea

Transport regulations (IMDG)	Subject
Limited quantities (IMDG)	5 L
Excepted quantities (IMDG)	E1
Packing instructions (IMDG)	P001, LP01
IBC packing instructions (IMDG)	IBC03
Tank instructions (IMDG)	T2
Tank special provisions (IMDG)	TP1
EmS-No. (Fire)	F-E
EmS-No. (Spillage)	S-E
Stowage category (IMDG)	A
Flash point (IMDG)	43°C c.c.

- Air transport

Transport regulations (IATA)	Subject to the provisions
PCA Excepted quantities (IATA)	E1
PCA Limited quantities (IATA)	Y344
PCA limited quantity max net quantity (IATA)	10L
PCA packing instructions (IATA)	355
PCA max net quantity (IATA)	60L
CAO packing instructions (IATA)	366
CAO max net quantity (IATA)	220L
ERG code (IATA)	3L

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15 - REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture:

EU-Regulations

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

VOC content 100 %

National regulations

Listed on the United States TSCA (Toxic Substances Control Act) inventory

Germany

VwVwS Annex reference Water hazard class (WGK) 3, severe hazard to waters (Classification according to VwVwS, Annex 4)

WGK remark Classification water polluting based on the R-phrases in compliance with Verwaltungsvorschrift wassergefährdender Stoffe (VwVwS) of 27 July 2005 (Anhang 3)

12th Ordinance Implementing the Federal Immission Control Act - 12.BImSchV Is not subject of the 12. BImSchV (Hazardous Incident Ordinance)

Netherlands

SZW-lijst van kankerverwekkende stoffen None of the components are listed

SZW-lijst van mutagene stoffen None of the components are listed

NIET-limitatieve lijst van voor de None of the components are listed

voortplanting giftige stoffen – Borstvoeding

NIET-limitatieve lijst van voor de None of the components are listed

voortplanting giftige stoffen – Vruchtbaarheid

NIET-limitatieve lijst van voor de None of the components are listed

voortplanting giftige stoffen – Ontwikkeling

Denmark

Recommendations Danish Regulation Young people below the age of 18 years are not allowed to use the product

Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16 - OTHER INFORMATION

Full text of H-statements:

Aquatic Acute 1	Hazardous to the aquatic environment – Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment –Chronic Hazard, Category 1
Asp. Tox. 1	Aspiration hazard, Category 1

Flam. Liq. 3	Flammable liquids, Category 3
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Sensitization – Skin, Category 1
Skin Sens. 1B	Sensitization – Skin, Category 1B
H226	Flammable liquid and vapour
H304	May be fatal if swallowed and enter airways
H315	Causes skin irritation
H317	May cause an allergic reaction
H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects

This information is based on our current knowledge and is intended to describe the product for the purpose of health, safety and environmental requirements only. It should not therefore be constructed as guaranteeing any specific property of the product.

Disclaimer

Chelsea Classical Studio Fine Art Materials cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. The information in the sheet was written based on the best knowledge and experience currently available.