

# SAFETY DATA SHEET (SDS)

## CCS CITRUS ESSENCE BRUSH CLEANER

**SECTION 1 – IDENTIFICATION**

**Identification**

Name: CCS CITRUS ESSENCE BRUSH CLEANER  
 Trade name: Orange Terpenes (Natural, steam-distilled)  
**Relevant identified uses of the substance or mixture and uses advised against**  
 Use of the substance/mixture: Brush cleaner for oil paint  
 Uses of the substance/mixture: Solvent  
**Details of manufacturer**  
 Company name: Chelsea Classical Studio LLC  
 Address: 526 West 26th Street  
 Suite #415  
 New York, NY 10001  
 Telephone: 212-255-0206  
 Website: [www.chelseaclassicalstudiofineartmaterials.com](http://www.chelseaclassicalstudiofineartmaterials.com)  
 Emergency phone number: 1-800-424-9300 24 Hours Emergency Chemtrec.

**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**

**GHS-US classification**

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-Very toxic to aquatic life with long lasting effects

**Label elements**

**GHS-US labeling**

Hazard pictograms (GHS-US)



GHS02      GHS07      GHS08      GHS09

Signal word (GHS-US)

Danger

Hazard statements (GHS-US)

H226 Flammable liquid and vapor  
 H304 May be fatal if swallowed and enters airways  
 H315 Causes skin irritation  
 H317 May cause an allergic skin reaction  
 H400 Very toxic to aquatic life  
 H410 Very toxic to aquatic life with long lasting effects

### SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

#### Mixture

Name	Product identifier	%	GHS-US classification
Orange Terpenes	(CAS No) 68647-72-3	100%	Flam. Liq. 3, H226 Skin. Irrit 2, H315 Skin Sens. 1B, H317 Asp. Tox. 1, H304 Aquatic Acute 1, H400 Aquatic Chronic 1, H410

### SECTION 4 - FIRST AID MEASURES

No acute health effects expected.

#### Description of first aid measures

First-aid measures in case of 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).

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 measure after skin contact

If skin irritation occurs: get medical advice/attention. Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash with plenty of soap and water. Wash contaminated clothing reuse. If skin irritation occurs: get medical advice/attention. Specific treatment (see supplemental first aid instruction on this label). If skin irritation or rash occurs: wash skin with plenty of water.

First-aid measures after eye contact

Do not apply (chemical) neutralizing agents. Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persists.

First-aid measures after ingestion

Immediately after ingestion: give lots of water to drink. Do not induce vomiting. Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor/physician. Call a poison center or a doctor if you feel unwell. Ingesting of large quantities: immediately to hospital.

#### Most important symptoms and effects, both acute and delayed

Symptoms/injuries after inhalation

EXPOSURE TO HIGH CONCENTRATIONS: 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.

Symptoms/injuries after eye contact

Irritation of the eye tissue

Symptoms/injuries after ingestion

Nausea. Gastrointestinal complaints. May be fatal if swallowed and enters airways. Diarrhea.

Chronic symptoms

ON CONTINUOUS/REPEATED EXPOSURE/CONTACT: Red skin. Skin rash/inflammation. Swelling of the skin. Itching.

#### Indication of any immediate medical attention and special treatment needed

No additional information available.

## SECTION 5 - FIREFIGHTING MEASURES

### Extinguishing media

Suitable extinguishing media BC-powder. Polymer foam. 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 Direct Fire Hazard. Flammable. Gas/vapor flammable with air within explosion limits.

INDIRECT FIRE HAZARD. May build up electrostatic charges: risk of ignition. May be ignited by sparks. Reactions involving a fire hazard: see "Reactivity Hazard". Flammable liquid and vapor.

Explosion hazard DIRECT EXPLOSION HAZARD. Gas/vapor explosive with air within explosion limits. INDIRECT EXPLOSION HAZARD. May be ignited sparks. Reactions with explosion hazards: see "Reactivity Hazard". May be form flammable/explosive vapor-air mixture.

Reactivity Upon combustion: CO and CO<sub>2</sub> are formed. Oxidizes slowly on exposure to air. Pre-oxidation resulting in increased fire or explosion risk. Polymerizes slowly on exposure to air. Reacts with (strong) oxidizers: (increased) risk of fire/explosion. Reacts with (some) halogens compounds.

## 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 for cleaning up 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.

## SECTION 7 - HANDLING AND STORAGE

### Precautions for safe handling

Precautions for safe handling Do not discharge the waste into the drain. Keep away from sources of ignition – No smoking. Keep container tightly closed. Comply with local regulation 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 vapor. Take precautionary measures against static discharge. Avoid breathing dust/fume/gas/mist/vapors/spray. Carry out operations in the open/under local exhaust/ventilation or with respiratory protection.

### Conditions for safe storage, including any incompatibilities

Storage conditions Keep container tightly closed.

Heat and ignition sources Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Storage area Store away from heat.

## SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

<b>Respiratory Protection</b>	Not normally required. In case of insufficient ventilation, wear suitable respiratory equipment.
<b>Ventilation</b>	Local exhauster ventilation recommended
<b>Eye Protection</b>	Safety goggles/glasses suggested
<b>Skin Protection</b>	Protective gloves suggested
<b>Other information</b>	Do no eat, drink or smoke during use.

## SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

Physical state	Liquid.
Appearance	Liquid.
Color	Colorless to light yellow.
Odor	Orange Citrus odor. Mild odor.
Odor threshold	No data available.
pH	4 (5%)
pH solution	5%
Melting point	-74°C
Freezing point	No data available.
Boiling point	176°C
Flash point	129.2°F
Relative evaporation rate	No data available.
Flammability (solid, gas)	No data available.
Explosive limits	0.7-6.1 vol% 40-345 g/m <sup>3</sup>
Explosive properties	No data available.
Oxidizing properties	No data available.
Vapor pressure	2.3 hPa
Relative density	0.839
Relative vapor density at 20°C	4.7
Density	840 kg/m <sup>3</sup>
Molecular mass	136.24 g/mol
Solubility	Soluble in ethanol. Soluble in ether. Soluble in oil. Soluble in tetrachloromethane. Insoluble in water.
Log Pow	4.38 (experimental value; OECD 117 Partition Coefficient (n-Octanol/water), HPLC method, 37°C)
Auto-ignition temperature	237°C
Decomposition temperature	No data available
Viscosity	No data available
Viscosity, kinematic	1 mm <sup>2</sup> /s (25°C)
Viscosity, dynamic	0.8462 mPa.s (25°C)
<b>Other information</b>	
VOC content	100%
Other properties	Slightly volatile. Gas/vapor heavier than air at 20°C. Substance has acid reaction. May generate electrostatic charges. Clear.

## 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 <sub>2</sub> 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 vapor. May form flammable/explosive vapor/-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.
Incompatible materials	Strong acids. Strong bases.
Hazardous decomposition products	No hazardous decomposition products if stored and handled as indicated

## SECTION 11 - TOXICOLOGICAL INFORMATION

### Information on toxicological effects

Carcinogenicity	OSHA Regulated Substances (29 CFR 1910.1001-1050)- NOT LISTED
Inhalation	No adverse effects due to inhalation are expected.
Skin contact	Can cause skin irritation and/or allergic reaction.
Eye contact	Direct contact with eyes may cause temporary irritation.
Ingestion	Droplets of the product aspirated into the lungs through ingestion or vomiting may cause chemical pneumonia.
Aspiration	May cause pulmonary edema and pneumonitis, skin irritation, redness and pain. May cause allergic skin reaction, Dermatitis, rash.
Acute toxicity	May be fatal if swallowed and enters airways. May cause allergic skin reaction.
Reproductive toxicity	This product is not expected to cause reproductive or developmental effects.

## SECTION 12 - ECOLOGICAL INFORMATION

### Toxicity

Ecology- general	Dangerous for the environment
Ecology- air	TA-Luft Klasse 5.2.5/l. 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.

### Other adverse effects

Effect on the global warming	No know ecological damage caused by this product.
Other information	Avoid release to the environment.

## SECTION 13 - DISPOSAL CONSIDERATIONS

Waste disposal recommendations	Hazardous waste shall be managed responsibility. All entities that store, transport or handle hazardous waste shall take the necessary measures to prevent risks of pollution or damage to people or animals. Dispose in a safe manner in accordance with local/national regulations. Do not discharge into surface water.
Additional information	LWCA (the Netherlands) KGA category 03. Hazardous waste according to Directive 2008/98/EC. Handle empty containers with care because residual vapors are flammable.
Ecology- waste materials	Avoid release to the environment. Hazardous waste due to toxicity.

## SECTION 14 - TRANSPORT INFORMATION

### Department of Transportation (DOT)

#### Non-Bulk

In accordance with DOT

Not regulated as dangerous goods

#### Transport by sea

UN-No. (IMDG)	2319
Proper Shipping Name (IMDG)	Terpene Hydrocarbons, N.O.S. (Orange Terpenes)
Class (IMDG)	3-Flammable liquids
Packing group (IMDG)	III-substances presenting low danger
Environmental hazard (marine pollutant)	Yes

#### Air transport

UN-No. (IATA)	2319
Proper Shipping Name (IATA)	Terpene Hydrocarbons, N.O.S. (Orange Terpenes)
Class (IATA)	3-Flammable Liquids
Packing group (IATA)	III- Minor Danger
Environmental hazards	No

## SECTION 15 - REGULATORY INFORMATION

**US federal regulations** This product is a "hazardous chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200

#### United States TSCA (Toxic Substance Control Act) Inventory

Listed

#### CERCLA Hazardous Substance List (40 CFR 302.4)

Not listed.

#### US OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

#### Superfund Amendments and Reauthorization Act of 1986 (SARA)

##### Hazard Categories

Immediate Hazard-Yes  
Delayed Hazard-No  
Fire Hazard-Yes  
Pressure Hazard-No  
Reactivity Hazard-No

#### SARA 302 Extremely hazardous substance

Not listed.

#### SARA 311/312 Hazardous chemical

Yes

**SECTION 16 - OTHER INFORMATION**

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 3
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
H401	Very toxic to aquatic life
H411	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.