

# 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)   |
| <b>Relevant identified uses of the substance or mixture</b> |  |
| Use of the substance/mixture                                | Brush cleaner for oil paint  |
| Uses of the substance/mixture                               | Solvent  |
| <b>Details of manufacturer</b>                              |  |
| Company name  | Chelsea Classical Studio LLC   |
| Address   | 526 West 26th Street<br>Suite #415<br>New York, NY 10001   |
| Telephone   | 212-255-0206   |
| Website   | <a href="http://www.chelseaclassicalstudiofineartmaterials.com">www.chelseaclassicalstudiofineartmaterials.com</a> |
| Emergency phone number                                      | 1-800-424-9300 24 Hours Emergency Chemtrec<br>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**

**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

### 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<br>Skin. Irrit 2, H315<br>Skin Sens. 1B, H317<br>Asp. Tox. 1, H304<br>Aquatic Acute 1, H400<br>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 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.<br>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

### Control parameters

No additional information available

### Exposure controls

|                        |  |
|------------------------|--|
| Respiratory Protection | Not normally required. In case of insufficient ventilation, wear suitable respiratory equipment. |
| Ventilation            | Local exhauster ventilation recommended  |
| Eye Protection         | Safety goggles/glasses suggested   |
| Skin Protection        | Protective gloves suggested  |
| Other information      | 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                  | Not applicable  |
| Freezing point                 | No data available.  |
| Boiling point                  | 176°C   |
| Flash point                    | 129.2°F   |
| Relative evaporation rate      | No data available.  |
| Flammability (solid, gas)      | Flammable liquid and vapour   |
| 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, 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. |

## 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   | Fume. Carbon monoxide. Carbon dioxide. May release flammable gases.  |

## SECTION 11 - TOXICOLOGICAL INFORMATION

### Information on toxicological effects

|                |   |
|----------------|---|
| Acute toxicity | Not classified.                                     |
| 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 hazard     | May be fatal if swallowed and enters airways.  |
| Carcinogenicity       | <b>OSHA Regulated Substances (29 CFR 1910.1001-1050)- NOT LISTED</b>   |
| Reproductive toxicity | This product is not expected to cause reproductive or developmental effects.                                 |

## 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/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 treatment methods

|                                |  |
|--------------------------------|--|
| 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****Safety, health and environmental regulations/legislation specific for the substance or mixture**

**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**

Full text of R-,H- and EUH 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 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                                   |
| 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.