

## Safety Data Sheet

### Section 1: Identification of the substance, company and intended use.

#### 1.1 Identification of the substance/mixture

Product No.: 1316, Component C  
Product Name: Click-&-Go Plus 546 Labeling kit,  
Copper(II) Sulfate, Component C  
Synonym: Cupric sulfate anhydrous; Cupric sulfate; Copper monosulfate

#### 1.2 Identified use of the substance

Identified Use: Laboratory chemicals, manufacture of substances

#### 1.3 Company/undertaking identification

Click Chemistry Tools  
8341 E. Gelding Drive  
Scottsdale, AZ 85260

Tel: 1-480-584-3340  
Fax: 1-866-717-2037

### Section 2: Composition/Information on Ingredients

CAS No.: 7758-99-8  
Mol. Formula:  $\text{CuSO}_4 \times 5 \text{H}_2\text{O}$   
Mol. Weight: 249.69  
Assay: N/A

### Section 3: Hazards Identification

#### 3.1 Classification of the substance or mixture

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).

|                                   |            |
|-----------------------------------|------------|
| Acute oral toxicity               | Category 4 |
| Skin Corrosion/Irritation         | Category 2 |
| Serious Eye Damage/Eye Irritation | Category 2 |

#### 3.2 GHS Label elements, including precautionary statements

Hazard pictograms (GHS-US) :



GHS07



GHS09

|                                     |                                                                                                                                                                                                                                                                                                                                                                          |
|-------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Signal word (GHS-US) :              | Warning                                                                                                                                                                                                                                                                                                                                                                  |
| Hazard statements (GHS-US) :        | H302 - Harmful if swallowed<br>H410 - Very toxic to aquatic life with long lasting effects                                                                                                                                                                                                                                                                               |
| Precautionary statements (GHS-US) : | P264 - Wash exposed skin thoroughly after handling<br>P270 - Do not eat, drink or smoke when using this product<br>P273 - Avoid release to the environment<br>P311 - Call a POISON CENTER or doctor/physician<br>P330 - If swallowed, rinse mouth<br>P391 - Collect spillage<br>P501 - Dispose of contents/container to comply with local, state and federal regulations |

### 3.3 Hazards not otherwise classified (HNOC) or not covered by GHS

None

## Section 4: First-Aid Measures

### 4.1 Description of first aid measures

#### If inhaled

Not expected to be an inhalation hazard under anticipated conditions of normal use of this material. Consult a physician if necessary.

#### In case of skin contact

Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.

#### In case of eye contact

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Obtain medical attention if pain, blinking or redness persists.

#### If swallowed

Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention. Call a POSION CENTER or physician if you feel unwell.

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

Swallowing a small amount of this material will result in serious health hazard.

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

No additional information available

### **Section 5: Fire Fighting Measures**

#### **5.1 Extinguishing media**

Water spray. Carbon dioxide (CO<sub>2</sub>). Foam. Dry chemical.

#### **5.2 Advice from firefighters**

Standard procedure for chemical fires.

#### **5.3 Further information**

No data available

### **Section 6: Accidental Release Measures**

#### **6.1 Personal precautions, protective equipment and emergency procedures**

Ensure adequate ventilation. Always wear recommended Personal Protective Equipment. Use personal protection equipment. See Section 8 for more detail.

#### **6.2 Environmental precautions**

No special environmental precautions required.

#### **6.3 Methods and materials for containment and cleaning up**

Take up mechanically, placing in appropriate containers for disposal.

#### **6.4 Reference to other sections**

See Section 8 for additional information.

### **Section 7: Handling and Storage**

#### **7.1 Precautions for safe handling**

Always wear recommended Personal Protective Equipment. No special handling advices are necessary.

#### **7.2 Conditions for safe storage, including any incompatibilities**

Keep in a dry, cool and well-ventilated place.

### 7.3 Specific end use(s)

For research use only.

## Section 8: Exposure Controls/Personal Protection

### 8.1 Control parameters

#### Exposure Limits

Contains no substances with occupational exposure limit values

#### Engineering measures

Ensure adequate ventilation, especially in confined areas

### 8.2 Exposure controls

#### Personal Protective Equipment

##### Respiratory protection

In case of insufficient ventilation wear respirators and components tested and approved under appropriate government standards

##### Hand protection

Wear suitable gloves Glove material: Compatible chemical-resistant gloves

##### Eye/Face protection

Wear tight sealing safety goggles

##### Skin/Body Protection

Wear suitable protective clothing

##### Hygiene measures

Handle in accordance with good industrial hygiene and safety practice

##### Control of Environmental exposure

No special environmental precautions required

## Section 9: Physical and Chemical Properties

### 9.1 Information on basic physical and chemical properties

- |                   |                   |
|-------------------|-------------------|
| a) Appearance     | Form: Liquid      |
| b) Odor           | No data available |
| c) Odor Threshold | No data available |

|                                           |                                       |
|-------------------------------------------|---------------------------------------|
| d) pH                                     | Not Applicable                        |
| e) Melting / Freezing points              | °C and °F Mixture has not been tested |
| f) Initial boiling point & boiling range  | °C and °F Mixture has not been tested |
| g) Flash point                            | °C and °F Mixture has not been tested |
| h) Evaporation rate                       | No data available                     |
| i) Flammability (solid, gas)              | Non Flammable                         |
| j) Explosive limits                       | Mixture has not been tested           |
| k) Vapor pressure                         | Mixture has not been tested           |
| l) Vapor pressure                         | Mixture has not been tested           |
| m) Relative density                       | Mixture has not been tested           |
| n) Water solubility                       | Soluble in water                      |
| o) Partition coefficient: n-octanol/water | No data available                     |
| p) Auto-ignition temperature              | No data available                     |
| q) Decomposition temperature              | No data available                     |
| r) Viscosity                              | No data available                     |
| s) Explosive properties                   | No data available                     |
| t) Oxidizing properties                   | No data available                     |

## 9.2 Other safety information

No data available.

## Section 10: Stability and Reactivity

### 10.1 Reactivity

None known

### 10.2 Chemical stability

Stable under normal conditions

### 10.3 Possibility of hazardous reactions

Hazardous reaction has not been reported

### 10.4 Conditions to avoid

Extremely high or low temperatures

### 10.5 Incompatible materials

Strong reducing agents. Strong bases.

## 10.6 Hazardous decomposition products

Sulfur compounds. Copper

## Section 11: Toxicological Information

### 11.1 Information on toxicological effects

|                            |                            |
|----------------------------|----------------------------|
| Likely routes of exposure: | Skin and eye contact       |
| Acute Toxicity:            | Oral; Harmful if swallowed |

### 11.2 Principal Routes of Exposure

|                                 |                                                  |
|---------------------------------|--------------------------------------------------|
| <b>Irritation</b>               | Conclusive but not sufficient for classification |
| <b>Corrosivity</b>              | Conclusive but not sufficient for classification |
| <b>Sensitization</b>            | Conclusive but not sufficient for classification |
| <b>STOT - Single Exposure</b>   | Conclusive but not sufficient for classification |
| <b>STOT - Repeated Exposure</b> | Conclusive but not sufficient for classification |
| <b>Carcinogenicity</b>          | Conclusive but not sufficient for classification |
| <b>Mutagenicity</b>             | Conclusive but not sufficient for classification |
| <b>Reproductive toxicity</b>    | Conclusive but not sufficient for classification |
| <b>Aspiration hazard</b>        | Conclusive but not sufficient for classification |

## Section 12: Ecological Information

### 12.1 Toxicity

Very toxic to aquatic life with long lasting effects.

### 12.2 Persistence and degradability

No information available

### 12.3 Bio accumulative potential

No information available

### 12.4 Results of PBT and vPvB assessment

This mixture does not contain any substances that are assessed to be a PBT or a vPvB

### 12.5 Other adverse effects

No information available

## Section 13: Disposal Considerations

### 13.1 Waste treatment methods

The generation of waste should be avoided or minimized wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in accordance with approved disposal techniques. Disposal of this product, its solutions or of any by-products, shall comply with the requirements of all applicable local, regional or national/federal regulations.

## Section 14: Transport Information

### 14.1 IATA / ADR / DOT-US / IMDG

UN3082 Environmentally hazardous substances, liquid, n.o.s. (Copper Sulfate), 9, III

|                                                                                 |                                                                      |
|---------------------------------------------------------------------------------|----------------------------------------------------------------------|
| <b>UN number</b>                                                                | UN3082                                                               |
| <b>UN proper shipping name</b>                                                  | Environmentally hazardous substance, liquid n.o.s.<br>Copper sulfate |
| <b>Transport hazard class(es)</b>                                               | 9- Class 9- Miscellaneous hazardous material 49 CFR<br>173.140       |
| <b>Packing group</b>                                                            | III – Minor danger                                                   |
| <b>Environmental hazards</b>                                                    | Dangerous to the environment                                         |
| <b>Special precautions for user</b>                                             | Not Applicable                                                       |
| <b>Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</b> | Not Applicable                                                       |

## Section 15: Regulatory Information

### 15.1 SARA 313 Components

This product is not regulated by SARA

### 15.2 Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)

This product does not contain HAPs

### 15.3 California Proposition 65

This product does not contain any Proposition 65 chemicals.

### 15.4 WHMIS Hazard Class

Non-controlled

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

### Section 16: Other Information

Revision date : 12/21/2018

Other information : None.

Full text of H-phrases: see section 16:

|      |                                                      |
|------|------------------------------------------------------|
| H301 | Toxic if swallowed                                   |
| H302 | Harmful if swallowed                                 |
| H400 | Very toxic to aquatic life                           |
| H410 | Very toxic to aquatic life with long lasting effects |

NFPA health hazard : 2 - Materials that, under emergency conditions, can cause temporary incapacitation or residual injury.

NFPA fire hazard : 0 - Materials that will not burn under typical dire conditions, including intrinsically noncombustible materials such as concrete, stone, and sand.

NFPA reactivity : 0 - Material that in themselves are normally stable, even under fire conditions.

0  
2 0

For research purposes only. Not intended for human or animal diagnostic or therapeutic uses.

#### Disclaimer

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**End of SDS**