

# MKCS-110 MCKEE'S 360 CERAMIC ONE STEP

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Date of issue: 12/19/2019

### SECTION 1: Identification

#### 1.1. Identification

Product form : Mixture  
Product name : MKCS-110 MCKEE'S 360 CERAMIC ONE STEP

#### 1.2. Recommended use and restrictions on use

No additional information available

#### 1.3. Supplier

ROBERT MCKEE ENTERPRISES INC.  
7481 SW JACK JAMES DR  
STUART, FL 34997  
T 772-291-2159

#### 1.4. Emergency telephone number

Emergency number : 772-291-2159

### SECTION 2: Hazard(s) identification

#### 2.1. Classification of the substance or mixture

##### GHS-US classification

|  |      |  |
|--|------|--|
| Flammable liquids, Category 4                                  | H227 | Combustible liquid   |
| Specific target organ toxicity — Repeated exposure, Category 1 | H372 | Causes damage to organs through prolonged or repeated exposure |

Full text of H statements : see section 16

#### 2.2. GHS Label elements, including precautionary statements

##### GHS-US labelling

Hazard pictograms (GHS-US) :



Signal word (GHS-US) : Danger

Hazard statements (GHS-US) : H227 - Combustible liquid  
H372 - Causes damage to organs through prolonged or repeated exposure

Precautionary statements (GHS-US) : P210 - Keep away from heat, hot surfaces, open flames, sparks. - No smoking  
P260 - Do not breathe dust/fume/gas/mist/vapours/spray  
P264 - Wash ... thoroughly after handling  
P270 - Do not eat, drink or smoke when using this product  
P280 - Wear eye protection, face shield, protective clothing, protective gloves  
P314 - Get medical advice/attention if you feel unwell  
P370+P378 - In case of fire: Use extinguishing powder, foam, carbon dioxide (CO2) to extinguish  
P403+P235 - Store in a well-ventilated place. Keep cool  
P501 - Dispose of contents/container to an approved waste disposal plant, an authorised waste collection point

#### 2.3. Other hazards which do not result in classification

No additional information available

#### 2.4. Unknown acute toxicity (GHS US)

Not applicable

### SECTION 3: Composition/information on ingredients

#### 3.1. Substance

Not applicable

#### 3.2. Mixture

# MKCS-110 MCKEE'S 360 CERAMIC ONE STEP

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

| Name  | Product identifier  | %      | GHS-US classification                   |
|---|---------------------|--------|---|
| hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, < 2% aromatics | (CAS No) 64742-47-8 | 7 - 11 | Flam. Liq. 4, H227<br>Asp. Tox. 1, H304 |
| solvent naphtha(petroleum), medium aliph.                             | (CAS No) 64742-88-7 | 5 - 9  | STOT RE 1, H372<br>Asp. Tox. 1, H304    |

Full text of classification categories and H statements : see section 16

### SECTION 4: First-aid measures

#### 4.1. Description of first aid measures

- First-aid measures general : 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 : Allow victim to breathe fresh air. Allow the victim to rest.
- First-aid measures after skin contact : Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
- First-aid measures after eye contact : Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
- First-aid measures after ingestion : Aspiration hazard. Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

#### 4.2. Most important symptoms and effects (acute and delayed)

- Potential adverse human health effects and symptoms : Based on available data, the classification criteria are not met.
- Symptoms/injuries : Not expected to present a significant hazard under anticipated conditions of normal use.

#### 4.3. Immediate medical attention and special treatment, if necessary

No additional information available

### SECTION 5: Fire-fighting measures

#### 5.1. Suitable (and unsuitable) extinguishing media

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
- Unsuitable extinguishing media : Do not use a heavy water stream.

#### 5.2. Specific hazards arising from the chemical

- Fire hazard : Combustible. Flammable liquid and vapour.
- Explosion hazard : May form flammable/explosive vapour-air mixture.

#### 5.3. Special protective equipment and precautions for fire-fighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
- Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

### SECTION 6: Accidental release measures

#### 6.1. 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.

##### 6.1.1. For non-emergency personnel

- Emergency procedures : Evacuate unnecessary personnel.

##### 6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
- Emergency procedures : Ventilate area.

#### 6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

#### 6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

#### 6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

# MKCS-110 MCKEE'S 360 CERAMIC ONE STEP

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

- |                                   |   |
|-----------------------------------|---|
| Additional hazards when processed | : Handle empty containers with care because residual vapours are flammable.   |
| Precautions for safe handling     | : 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. |

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

- |                        |   |
|------------------------|---|
| Technical measures     | : Proper grounding procedures to avoid static electricity should be followed. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting/... equipment. |
| Storage conditions     | : Keep only in the original container in a cool, well ventilated place away from : Keep container tightly closed.   |
| Incompatible products  | : Strong bases. Strong acids.   |
| Incompatible materials | : Sources of ignition. Direct sunlight. Heat sources.   |

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

##### hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, < 2% aromatics (64742-47-8)

Not applicable

##### solvent naphtha(petroleum), medium aliph. (64742-88-7)

Not applicable

#### 8.2. Appropriate engineering controls

No additional information available

#### 8.3. Individual protection measures/Personal protective equipment

##### Personal protective equipment:

Avoid all unnecessary exposure.

##### Hand protection:

Wear protective gloves

##### Eye protection:

Chemical goggles or safety glasses

##### Respiratory protection:

Wear appropriate mask

##### Other information:

Do not eat, drink or smoke during use.

### SECTION 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

- |                 |                           |
|-----------------|---------------------------|
| Physical state  | : Liquid                  |
| Appearance      | : Creamy Liquid.          |
| Colour          | : Blue                    |
| Odour           | : Mint                    |
| Odour threshold | : No data available       |
| pH              | : 8 - 9                   |
| Melting point   | : No Data                 |
| Freezing point  | : No data available       |
| Boiling point   | : 370 - 550 °F @ 760 mmHg |
| Flash point     | : 140 °F                  |

# MKCS-110 MCKEE'S 360 CERAMIC ONE STEP

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

|  |                     |
|--|---------------------|
| Relative evaporation rate (butylacetate=1) | : No data available |
| Flammability (solid, gas)                  | : No data available |
| Vapour pressure                            | : < 1 mm Hg @ 77.0  |
| Relative vapour density at 20 °C           | : No data available |
| Relative density                           | : 0.9               |
| Solubility                                 | : Water: < 0.01     |
| Log Pow                                    | : No data available |
| Auto-ignition temperature                  | : 420 °F            |
| Decomposition temperature                  | : No data available |
| Viscosity                                  | : >= 80 cP          |
| Viscosity, kinematic                       | : No data available |
| Viscosity, dynamic                         | : No data available |
| Explosive limits                           | : No data available |
| Explosive properties                       | : No data available |
| Oxidising properties                       | : No data available |

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No additional information available

### 10.2. Chemical stability

Stable under normal conditions. Flammable liquid and vapour. May form flammable/explosive vapour-air mixture.

### 10.3. Possibility of hazardous reactions

Not established.

### 10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures. Open flame. Overheating. Heat. Sparks.

### 10.5. Incompatible materials

Strong acids. Strong bases.

### 10.6. Hazardous decomposition products

fume. Carbon monoxide. Carbon dioxide. May release flammable gases.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity : Not classified

#### hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, < 2% aromatics (64742-47-8)

|                    |  |
|--------------------|--|
| LD50 dermal rabbit | > 5000 mg/kg bodyweight (Rabbit; Literature) |
|--------------------|--|

#### solvent naphtha(petroleum), medium aliph. (64742-88-7)

|               |  |
|---------------|--|
| LD50 oral rat | > 5000 mg/kg bodyweight (Rat; Equivalent or similar to OECD 420; Experimental value) |
|---------------|--|

|                    |   |
|--------------------|---|
| LD50 dermal rabbit | > 2000 mg/kg bodyweight (Rabbit; Experimental value; Equivalent or similar to OECD 402) |
|--------------------|---|

Skin corrosion/irritation : Not classified

pH: 8 - 9

Serious eye damage/irritation : Not classified

pH: 8 - 9

Respiratory or skin sensitisation : Not classified

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

Reproductive toxicity : Not classified

Specific target organ toxicity (single exposure) : Not classified

# MKCS-110 MCKEE'S 360 CERAMIC ONE STEP

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

|   |  |
|---|--|
| Specific target organ toxicity (repeated exposure)  | : Causes damage to organs through prolonged or repeated exposure.                          |
| Aspiration hazard                                   | : Not classified   |
| Potential adverse human health effects and symptoms | : Based on available data, the classification criteria are not met.                        |
| Symptoms/injuries                                   | : Not expected to present a significant hazard under anticipated conditions of normal use. |

## SECTION 12: Ecological information

### 12.1. Toxicity

| hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, < 2% aromatics (64742-47-8) |   |
|--|---|
| LC50 fish 1  | > 100 mg/l (Pisces)   |
| EC50 Daphnia 1   | > 100 mg/l (Invertebrata)   |
| Threshold limit algae 1  | > 100 mg/l (Algae)  |
| solvent naphtha(petroleum), medium aliph. (64742-88-7)                             |   |
| LC50 fish 1  | 2 - 5 mg/l (LL50; OECD 203: Fish, Acute Toxicity Test; 96 h; Oncorhynchus mykiss; Semi-static system; Fresh water; Experimental value)    |
| EC50 Daphnia 1   | 1.4 mg/l (EL50; OECD 202: Daphnia sp. Acute Immobilisation Test; 48 h; Daphnia magna; Static system; Fresh water; Experimental value)     |
| Threshold limit algae 1  | 1 - 3,EL50; OECD 201: Alga, Growth Inhibition Test; 72 h; Pseudokirchneriella subcapitata; Static system; Fresh water; Experimental value |

### 12.2. Persistence and degradability

| MKCS-110 MCKEE'S 360 CERAMIC ONE STEP  |  |
|--|--|
| Persistence and degradability  | Not established.                                       |
| hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, < 2% aromatics (64742-47-8) |  |
| Persistence and degradability  | Readily biodegradable in water. Adsorbs into the soil. |
| solvent naphtha(petroleum), medium aliph. (64742-88-7)                             |  |
| Persistence and degradability  | Readily biodegradable in water. Adsorbs into the soil. |

### 12.3. Bioaccumulative potential

| MKCS-110 MCKEE'S 360 CERAMIC ONE STEP  |   |
|--|---|
| Bioaccumulative potential  | Not established.                                  |
| hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, < 2% aromatics (64742-47-8) |   |
| Log Pow  | 6 - 8.2   |
| Bioaccumulative potential  | High potential for bioaccumulation (Log Kow > 5). |
| solvent naphtha(petroleum), medium aliph. (64742-88-7)                             |   |
| Bioaccumulative potential  | No bioaccumulation data available.                |

### 12.4. Mobility in soil

| hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, < 2% aromatics (64742-47-8) |                   |
|--|-------------------|
| Surface tension  | 0.026 N/m (20 °C) |

### 12.5. Other adverse effects

|                              |                                       |
|------------------------------|---------------------------------------|
| Effect on the global warming | : No known effects from this product. |
| GWPmix comment               | : No known effects from this product. |

|                   |                                     |
|-------------------|-------------------------------------|
| Other information | : Avoid release to the environment. |
|-------------------|-------------------------------------|

## SECTION 13: Disposal considerations

### 13.1. Disposal methods

|  |  |
|--|--|
| Product/Packaging disposal recommendations | : Dispose in a safe manner in accordance with local/national regulations. Dispose of contents/container to ... |
| Additional information                     | : Handle empty containers with care because residual vapours are flammable.                                    |
| Ecology - waste materials                  | : Avoid release to the environment.  |

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## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

### SECTION 14: Transport information

#### Department of Transportation (DOT)

In accordance with DOT

|  |   |
|--|---|
| Transport document description                                   | : NA1993 Combustible liquid, n.o.s., 3, III   |
| UN-No.(DOT)  | : NA1993  |
| Proper Shipping Name (DOT)                                       | : Combustible liquid, n.o.s.  |
| Class (DOT)  | : 3 - Class 3 - Flammable and combustible liquid 49 CFR 173.120   |
| Packing group (DOT)  | : III - Minor Danger  |
| DOT Packaging Non Bulk (49 CFR 173.xxx)                          | : 203   |
| DOT Packaging Bulk (49 CFR 173.xxx)                              | : 241   |
| DOT Symbols  | : D - Proper shipping name for domestic use only, or to and from Canada, G - Identifies PSN requiring a technical name  |
| DOT Special Provisions (49 CFR 172.102)                          | : IB3 - Authorized IBCs: Metal (31A, 31B and 31N); Rigid plastics (31H1 and 31H2); Composite (31HZ1 and 31HA2, 31HB2, 31HN2, 31HD2 and 31HH2). Additional Requirement: Only liquids with a vapor pressure less than or equal to 110 kPa at 50 C (1.1 bar at 122 F), or 130 kPa at 55 C (1.3 bar at 131 F) are authorized, except for UN2672 (also see Special Provision IP8 in Table 2 for UN2672).<br>T1 - 1.5 178.274(d)(2) Normal..... 178.275(d)(2)<br>T4 - 2.65 178.274(d)(2) Normal..... 178.275(d)(3)<br>TP1 - The maximum degree of filling must not exceed the degree of filling determined by the following: Degree of filling = $97 / (1 + a (tr - tf))$ Where: tr is the maximum mean bulk temperature during transport, and tf is the temperature in degrees celsius of the liquid during filling. |
| DOT Packaging Exceptions (49 CFR 173.xxx)                        | : 150   |
| DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27) | : 60 L  |
| DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75)     | : 220 L   |
| DOT Vessel Stowage Location                                      | : A - The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel.   |
| Emergency Response Guide (ERG) Number                            | : 128   |
| Other information  | : No supplementary information available.   |

#### TDG

#### Transport by sea

|                                       |  |
|---------------------------------------|--|
| Transport document description (IMDG) | : UN 1993 FLAMMABLE LIQUID, N.O.S., 3, III |
| UN-No. (IMDG)                         | : 1993                                     |
| Proper Shipping Name (IMDG)           | : FLAMMABLE LIQUID, N.O.S.                 |
| Class (IMDG)                          | : 3 - Flammable liquids                    |
| Packing group (IMDG)                  | : III - substances presenting low danger   |
| Limited quantities (IMDG)             | : 5 L                                      |

#### Air transport

|                                       |  |
|---------------------------------------|--|
| Transport document description (IATA) | : UN 1993 Flammable liquid, n.o.s., 3, III |
| UN-No.(IATA)                          | : 1993                                     |
| Proper Shipping Name (IATA)           | : Flammable liquid, n.o.s.                 |
| Class (IATA)                          | : 3 - Flammable Liquids                    |
| Packing group (IATA)                  | : III - Minor Danger                       |

### SECTION 15: Regulatory information

#### 15.1. US Federal regulations

##### MKCS-110 MCKEE'S 360 CERAMIC ONE STEP

Not listed on the United States TSCA (Toxic Substances Control Act) inventory

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## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

**hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, < 2% aromatics (64742-47-8)**

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

**solvent naphtha(petroleum), medium aliph. (64742-88-7)**

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

### 15.2. International regulations

#### CANADA

**hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, < 2% aromatics (64742-47-8)**

Listed on the Canadian DSL (Domestic Substances List)

**solvent naphtha(petroleum), medium aliph. (64742-88-7)**

Listed on the Canadian DSL (Domestic Substances List)

#### EU-Regulations

No additional information available

#### National regulations

No additional information available

### 15.3. US State regulations

No additional information available

## SECTION 16: Other information

Other information : None.

Full text of H-phrases:

|      |  |
|------|--|
| H227 | Combustible liquid   |
| H304 | May be fatal if swallowed and enters airways                   |
| H372 | Causes damage to organs through prolonged or repeated exposure |

SDS US (GHS HazCom 2012)

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