



QUIKSTEEL COPPER PUTTY CARD 2 OZ.

Safety Data Sheet

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

Revision date: 05/03/2016

Supersedes:12/02/2015

Version: 1.2

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Trade name : QUIKSTEEL COPPER PUTTY CARD 2 OZ.
Product code : 16302US

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture : Multiple Use Epoxy Putty

1.3. Details of the supplier of the safety data sheet

Technical Chemical Company
P.O. BOX 139
Cleburne, Texas 76033
T 817-645-6088

1.4. Emergency telephone number

Emergency number : CHEMTREC 24 Hour 1-800-424-9300, 1-703-527-3887 (International)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

GHS-US classification

Skin Sens. 1 H317

Carc. 1A H350

Full text of H statements : see section 16

2.2. Label elements

GHS-US labeling

Hazard pictograms (GHS-US) :



Signal word (GHS-US) : Danger

Hazard statements (GHS-US) : H317 - May cause an allergic skin reaction
H350 - May cause cancer

Precautionary statements (GHS-US) : P201 - Obtain special instructions
P202 - Do not handle until all safety precautions have been read and understood
P261 - Avoid breathing dust,fume,gas,mist,vapor spray
P272 - Contaminated work clothing must not be allowed out of the workplace
P280 - Wear protective gloves,protective clothing,eye protection,face protection
P302+P352 - If on skin: Wash with plenty of soap and water
P308+P313 - If exposed or concerned: Get medical advice/attention
P321 - Specific treatment: See section 4.1 on SDS
P333+P313 - If skin irritation or rash occurs: Get medical advice/attention
P363 - Wash contaminated clothing before reuse
P405 - Store locked up
P501 - Dispose of contents/container to appropriate waste disposal facility, in accordance with local, regional, national, international regulations.

2.3. Other hazards

Other hazards not contributing to the classification : None under normal conditions.

2.4. Unknown acute toxicity (GHS US)

No data available

SECTION 3: Composition/Information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	GHS-US classification
Talc	(CAS No) 14807-96-6	39.42 - 65.7	Not classified
2,2-Bis-[4-(2,3-Epoxypropoxy) Phenyl] Propane, Polymer	(CAS No) 25085-99-8	10 - 30	Not classified
GMP-800	(CAS No) Trade Secret	10 - 30	Not classified

QUIKSTEEL COPPER PUTTY CARD 2 OZ.

Safety Data Sheet

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

Name	Product identifier	%	GHS-US classification
Dolomite	(CAS No) 16389-88-1	3.285 - 6.57	Not classified
Copper, Powder	(CAS No) 7440-50-8	1 - 5	Not classified
Magnesium Carbonate	(CAS No) 546-93-0	0.657 - 3.285	Not classified
Quartz	(CAS No) 14808-60-7	0.657 - 3.285	Acute Tox. 4 (Oral), H302 Carc. 1A, H350
2,4,6-Tris (Dimethylaminomethyl) Phenol	(CAS No) 90-72-2	> 1.71	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315
Electronic Grade Resin	(CAS No) 28064-14-4	1 - 5	Not classified
Titanium (IV) Oxide	(CAS No) 13463-67-7	0.325 - 0.55	Carc. 2, H351
Epoxy Resins, Liquids, MM<=700	(CAS No) 25068-38-6	0.275 - 0.3	Skin Irrit. 2, H315 Skin Sens. 1, H317 Aquatic Chronic 2, H411
Iron (III) Oxide	(CAS No) 1309-37-1	0.1 - 0.125	Not classified
DMP-30		< 0.09	Not classified
CI 77492	(CAS No) 51274-00-1	0.05 - 0.075	Not classified
Aluminium Oxide, Activated	(CAS No) 1344-28-1	0.015 - 0.035	Not classified
Carbon Black	(CAS No) 1333-86-4	0.005 - 0.025	Carc. 2, H351
Silicon Dioxide, Amorphous	(CAS No) 7631-86-9	0.0005 - 0.005	Not classified
Zirconium (IV) Oxide	(CAS No) 1314-23-4	0.0005 - 0.005	Not classified

The exact percentage is a trade secret.

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 affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention. Specific treatment: See section 4.1 on SDS. Wash contaminated clothing before reuse.
- 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 : Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

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

- Symptoms/injuries : If you feel unwell, seek medical advice.
- Symptoms/injuries after inhalation : May cause cancer by inhalation.
- Symptoms/injuries after skin contact : May cause slight irritation.
- Symptoms/injuries after eye contact : May cause slight eye irritation.
- Symptoms/injuries after ingestion : May be harmful if swallowed and enters airways.

4.3. Indication of any immediate medical attention and special treatment needed

No additional information available

SECTION 5: Firefighting measures

5.1. 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. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- 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.

6.1.1. For non-emergency personnel

- Protective equipment : Gloves. Safety glasses.
- Emergency procedures : Evacuate unnecessary personnel.

QUIKSTEEL COPPER PUTTY CARD 2 OZ.

Safety Data Sheet

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

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

For containment : Keep in tubing if not used.
Methods for cleaning up : On land, sweep or shovel into suitable containers. Minimize generation of dust. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

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 vapor. Avoid breathing dust, fume, gas, mist, vapor spray. Obtain special instructions. Do not handle until all safety precautions have been read and understood.
Hygiene measures : Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Wash affected areas thoroughly after handling. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Always wash hands after handling the product. Remove contaminated clothes. Separate working clothes from town clothes. Launder separately. Contaminated work clothing should not be allowed out of the workplace.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Comply with applicable regulations.
Storage conditions : Keep only in the original container in a cool, well ventilated place away from : Keep container closed when not in use.
Incompatible products : Strong bases. Strong acids.
Incompatible materials : Sources of ignition. Direct sunlight.

7.3. Specific end use(s)

Follow Label Directions.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Copper, Powder (7440-50-8)		
USA ACGIH	ACGIH TWA (mg/m ³)	0.2 mg/m ³ (Copper fume; USA; Time-weighted average exposure limit 8 h; TLV - Adopted Value)
Carbon Black (1333-86-4)		
USA ACGIH	ACGIH TWA (mg/m ³)	3 mg/m ³ (Carbon black; USA; Time-weighted average exposure limit 8 h; TLV - Adopted Value; Inhalable fraction)
Titanium (IV) Oxide (13463-67-7)		
USA ACGIH	ACGIH TWA (mg/m ³)	10 mg/m ³ (Titanium dioxide; USA; Time-weighted average exposure limit 8 h; TLV - Adopted Value)
Iron (III) Oxide (1309-37-1)		
USA ACGIH	ACGIH TWA (mg/m ³)	5 mg/m ³ (Iron oxide (Fe ₂ O ₃); USA; Time-weighted average exposure limit 8 h; TLV - Adopted Value; Respirable fraction)
2,2-Bis-[4-(2,3-Epoxypropoxy) Phenyl] Propane, Polymer (25085-99-8)		
USA OSHA	OSHA PEL (TWA) (mg/m ³)	15 mg/m ³
Aluminium Oxide, Activated (1344-28-1)		
USA ACGIH	ACGIH TWA (mg/m ³)	1 mg/m ³ (Aluminium, insoluble compounds; USA; Time-weighted average exposure limit 8 h; TLV - Adopted Value; Respirable fraction)
Zirconium (IV) Oxide (1314-23-4)		
USA ACGIH	ACGIH TWA (mg/m ³)	5 mg/m ³ (Zirconium compounds, as Zr; USA; Time-weighted average exposure limit 8 h; TLV - Adopted Value)
USA ACGIH	ACGIH STEL (mg/m ³)	10 mg/m ³ (Zirconium compounds, as Zr; USA; Short time value; TLV - Adopted Value)

QUIKSTEEL COPPER PUTTY CARD 2 OZ.

Safety Data Sheet

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

Talc (14807-96-6)		
USA ACGIH	ACGIH TWA (mg/m ³)	2 mg/m ³ (Talc (containing no asbestos fibers); USA; Time-weighted average exposure limit 8 h; TLV - Adopted Value; Respirable fraction. The value is for particulate matter containing no asbestos and < 1% crystalline silica; Talc (containing asbestos fibers); 0.1 fibers/cm ³ ; USA; Time-weighted average exposure limit 8 h; TLV - Adopted Value; Respirable fibers: length > 5 µm; aspect ratio ≥ 3:1, as determined by the membrane filter method at 400-450X magnification (4-mm objective), using phase-contrast illumination)
USA OSHA	OSHA PEL (TWA) (mg/m ³)	2 mg/m ³
Dolomite (16389-88-1)		
USA ACGIH	ACGIH TWA (mg/m ³)	3 mg/m ³ (Particulates (insoluble or poorly soluble)(NOS); USA; Time-weighted average exposure limit 8 h; TLV - Adopted Value; Respirable fraction)
Magnesium Carbonate (546-93-0)		
USA OSHA	OSHA PEL (TWA) (mg/m ³)	15 mg/m ³
Quartz (14808-60-7)		
USA ACGIH	ACGIH TWA (mg/m ³)	0.025 mg/m ³
USA OSHA	OSHA PEL (TWA) (mg/m ³)	0.1 mg/m ³

8.2. Exposure controls

- Appropriate engineering controls : Local exhaust ventilation, vent hoods . Ensure good ventilation of the work station.
- Personal protective equipment : Avoid all unnecessary exposure. Gloves. Safety glasses.



- Hand protection : Wear protective gloves.
- Eye protection : Chemical goggles or safety glasses.
- Skin and body protection : Wear suitable protective clothing.
- Respiratory protection : Wear appropriate mask.
- Consumer exposure controls : Avoid contact during pregnancy/while nursing.
- 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 : Solid
- Appearance : Cylindrical Putty Stick.
- Color : Copper.
- Odor : Pungent. Mild.
- Odor threshold : No data available
- pH : No data available
- Relative evaporation rate (butyl acetate=1) : No data available
- Melting point : No data available
- Freezing point : No data available
- Boiling point : > 100 °C
- Flash point : > 100 °C
- Auto-ignition temperature : No data available
- Decomposition temperature : No data available
- Flammability (solid, gas) : No data available
- Vapor pressure : No data available
- Relative vapor density at 20 °C : No data available
- Relative density : 1.7
- Solubility : No data available
- Log Pow : No data available
- Log Kow : No data available
- Viscosity, kinematic : No data available

QUIKSTEEL COPPER PUTTY CARD 2 OZ.

Safety Data Sheet

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

Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available
Explosion limits	: 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

Not established.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Toxic fume. . Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

Carbon Black (1333-86-4)	
LD50 oral rat	> 8000 mg/kg (Rat; Equivalent or similar to OECD 401; Experimental value)
LD50 dermal rabbit	> 3000 mg/kg (Rabbit)
Epoxy Resins, Liquids, MM<=700 (25068-38-6)	
LD50 oral rat	> 2000 mg/kg (Rat; OECD 420: Acute Oral toxicity – Acute Toxic Class Method; Experimental value)
LD50 dermal rat	> 2000 mg/kg (Rat; Experimental value; OECD 402: Acute Dermal Toxicity)
Titanium (IV) Oxide (13463-67-7)	
LD50 oral rat	> 10000 mg/kg (Rat; OECD 425: Acute Oral Toxicity: Up-and-Down Procedure; Experimental value; > 5000 mg/kg bodyweight; Rat; Experimental value)
LD50 dermal rabbit	> 10000 mg/kg (Rabbit; Literature study)
LC50 inhalation rat (mg/l)	> 6.8 mg/l/4h (Rat; Experimental value)
Iron (III) Oxide (1309-37-1)	
LD50 oral rat	> 5000 mg/kg (Rat; Literature study)
Electronic Grade Resin (28064-14-4)	
LD50 oral rat	4000 mg/kg
2,2-Bis-[4-(2,3-Epoxypropoxy) Phenyl] Propane, Polymer (25085-99-8)	
LD50 oral rat	> 5000 mg/kg (Rat)
LD50 dermal rabbit	20000 mg/kg (Rabbit)
2,4,6-Tris (Dimethylaminomethyl) Phenol (90-72-2)	
LD50 oral rat	1200 mg/kg (Rat; Equivalent or similar to OECD 401; Literature study; 2169 mg/kg bodyweight; Rat; Experimental value)
LD50 dermal rat	> 2000 mg/kg (Rat; Literature study; Other; >1 ml/kg; Rat; Experimental value)
GMP-800 (Trade Secret)	
LD50 oral rat	2.6 g/kg
LD50 dermal rabbit	> 10.2 g/kg
Aluminium Oxide, Activated (1344-28-1)	
LD50 oral rat	> 10000 mg/kg body weight (Rat; Equivalent or similar to OECD 401; Experimental value)
Silicon Dioxide, Amorphous (7631-86-9)	
LD50 oral rat	> 10000 mg/kg (Rat)
LD50 dermal rabbit	> 5000 mg/kg (Rabbit)

QUIKSTEEL COPPER PUTTY CARD 2 OZ.

Safety Data Sheet

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

Zirconium (IV) Oxide (1314-23-4)	
LD50 oral rat	> 5000 mg/kg body weight (Rat; OECD 423: Acute Oral Toxicity – Acute Toxic Class Method; Experimental value)
LC50 inhalation rat (mg/l)	> 4.3 mg/l/4h (Rat; Experimental value)
Quartz (14808-60-7)	
LD50 oral rat	500 mg/kg
Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Not classified
Respiratory or skin sensitization	: May cause an allergic skin reaction.
Germ cell mutagenicity	: Not classified Based on available data, the classification criteria are not met
Carcinogenicity	: May cause cancer.
Carbon Black (1333-86-4)	
IARC group	2B
Titanium (IV) Oxide (13463-67-7)	
IARC group	2B
Iron (III) Oxide (1309-37-1)	
IARC group	3
Silicon Dioxide, Amorphous (7631-86-9)	
IARC group	3
Talc (14807-96-6)	
IARC group	3
Quartz (14808-60-7)	
IARC group	1
Reproductive toxicity	: Not classified
Specific target organ toxicity (single exposure)	: Not classified
Specific target organ toxicity (repeated exposure)	: Not classified
Aspiration hazard	: Not classified
Potential Adverse human health effects and symptoms	: Based on available data, the classification criteria are not met.
Symptoms/injuries after inhalation	: May cause cancer by inhalation.
Symptoms/injuries after skin contact	: May cause slight irritation.
Symptoms/injuries after eye contact	: May cause slight eye irritation.
Symptoms/injuries after ingestion	: May be harmful if swallowed and enters airways.

SECTION 12: Ecological information

12.1. Toxicity

Copper, Powder (7440-50-8)	
LC50 fish 1	200 µg/l (LC50; 96 h; Salmo gairdneri; Flow-through system; Fresh water)
EC50 Daphnia 1	109 - 798 µg/l (EC50; OECD 202: Daphnia sp. Acute Immobilisation Test; 48 h; Daphnia magna; Static system; Fresh water; Weight of evidence)
Threshold limit algae 1	230 µg/l (EC50; OECD 201: Alga, Growth Inhibition Test; 72 h; Pseudokirchneriella subcapitata; Static system; Fresh water; Weight of evidence)
Carbon Black (1333-86-4)	
LC50 fish 1	> 1000 mg/l (LC50; OECD 203: Fish, Acute Toxicity Test; 96 h; Brachydanio rerio)
EC50 Daphnia 1	> 5600 mg/l (EC50; OECD 202: Daphnia sp. Acute Immobilisation Test; 24 h; Daphnia magna; Static system; Fresh water)
LC50 fish 2	1000 mg/l (LC0; OECD 203: Fish, Acute Toxicity Test; 96 h; Brachydanio rerio; Semi-static system; Fresh water; Experimental value)
Threshold limit algae 1	> 10000 mg/l (EC50; OECD 201: Alga, Growth Inhibition Test; 72 h; Scenedesmus subspicatus; Static system; Fresh water; Experimental value)
Epoxy Resins, Liquids, MM<=700 (25068-38-6)	
LC50 fish 2	2.3 mg/l (LC50; OECD 203: Fish, Acute Toxicity Test; 96 h; Oncorhynchus mykiss; Semi-static system; Fresh water; Experimental value)
EC50 Daphnia 2	1.1 - 2.8 mg/l (EC50; Equivalent or similar to OECD 202; 48 h; Daphnia magna; Static system; Fresh water; Experimental value)

QUIKSTEEL COPPER PUTTY CARD 2 OZ.

Safety Data Sheet

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

Titanium (IV) Oxide (13463-67-7)	
EC50 Daphnia 1	> 100 mg/l (LC50; Equivalent or similar to OECD 202; 48 h; Daphnia magna; Static system; Fresh water; Weight of evidence)
Threshold limit algae 1	61 mg/l (EC50; Other; 72 h; Pseudokirchneriella subcapitata; Static system; Fresh water; Experimental value)
Iron (III) Oxide (1309-37-1)	
LC50 fish 1	> 1000 mg/l (LC50; 48 h)
2,2-Bis-[4-(2,3-Epoxypropoxy) Phenyl] Propane, Polymer (25085-99-8)	
LC50 fish 1	3.1 mg/l 96 Hours Freshwater Fish (Pimephales promelas)
EC50 Daphnia 1	1.4 mg/l 48 Hours
2,4,6-Tris (Dimethylaminomethyl) Phenol (90-72-2)	
EC50 Daphnia 2	41.3 mg/l (LC50; 48 h; Daphnia magna)
Threshold limit algae 2	84 mg/l (EC50; OECD 201: Alga, Growth Inhibition Test; 72 h; Scenedesmus subspicatus; Static system; Fresh water; Experimental value)
GMP-800 (Trade Secret)	
LC50 fish 1	> 100 mg/l
Aluminium Oxide, Activated (1344-28-1)	
LC50 fish 1	> 50 mg/l (NOEC; 96 h; Lepomis cyanellus; Static system; Fresh water)
EC50 Daphnia 1	1.4 mg/l (EC50; OECD 202: Daphnia sp. Acute Immobilisation Test; 48 h; Daphnia magna; Static system; Fresh water; Experimental value)
EC50 Daphnia 2	0.34 - 1.02 mg/l (NOEC; US EPA; 6 days; Ceriodaphnia dubia; Semi-static system; Fresh water; Read-across)
Threshold limit algae 1	>= 0.052 mg/l (NOEC; OECD 201: Alga, Growth Inhibition Test; 72 h; Pseudokirchneriella subcapitata; Static system; Fresh water; Experimental value)
Threshold limit algae 2	> 45.7 mg/l (NOEC; Other; 96 h; Lemna minor; Static system; Fresh water; Read-across)
Silicon Dioxide, Amorphous (7631-86-9)	
LC50 fish 1	> 10000 mg/l (LC50; 96 h)
EC50 Daphnia 1	> 10000 mg/l (EC50; 24 h)
Zirconium (IV) Oxide (1314-23-4)	
LC50 fish 1	> 100 mg/l (LC50; OECD 203: Fish, Acute Toxicity Test; 96 h; Brachydanio rerio; Static system; Fresh water; Experimental value)
EC50 Daphnia 1	> 100 mg/l (EC50; EU Method C.2; 48 h; Daphnia magna; Static system; Fresh water; Experimental value)
Threshold limit algae 1	> 200 mg/l (NOEC; Other; 15 days; Chlorella vulgaris; Static system; Fresh water; Read-across)
Threshold limit algae 2	> 100 mg/l (ErC50; OECD 201: Alga, Growth Inhibition Test; 72 h; Desmodesmus subspicatus; Static system; Fresh water; Read-across)
Talc (14807-96-6)	
LC50 fish 1	> 100 g/l (LC50; 24 h; Brachydanio rerio)
12.2. Persistence and degradability	
QUIKSTEEL COPPER PUTTY CARD 2 OZ.	
Persistence and degradability	Not established.
Copper, Powder (7440-50-8)	
Persistence and degradability	Biodegradability: not applicable. Biodegradability in soil: not applicable. Adsorbs into the soil.
Biochemical oxygen demand (BOD)	Not applicable
Chemical oxygen demand (COD)	Not applicable
ThOD	Not applicable
Carbon Black (1333-86-4)	
Persistence and degradability	Biodegradability: not applicable. Biodegradability in soil: not applicable. Adsorbs into the soil. Not established.
ThOD	Not applicable
Epoxy Resins, Liquids, MM<=700 (25068-38-6)	
Persistence and degradability	Not readily biodegradable in water. Hydrolysis in water. Low potential for adsorption in soil.
Titanium (IV) Oxide (13463-67-7)	
Persistence and degradability	Biodegradability: not applicable. Low potential for mobility in soil.
Biochemical oxygen demand (BOD)	Not applicable
Chemical oxygen demand (COD)	Not applicable
ThOD	Not applicable

QUIKSTEEL COPPER PUTTY CARD 2 OZ.

Safety Data Sheet

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

Iron (III) Oxide (1309-37-1)	
Persistence and degradability	Biodegradability: not applicable. Adsorbs into the soil.
Biochemical oxygen demand (BOD)	Not applicable
Chemical oxygen demand (COD)	Not applicable
ThOD	Not applicable
CI 77492 (51274-00-1)	
Persistence and degradability	Not established.
Electronic Grade Resin (28064-14-4)	
Persistence and degradability	Biodegradability in soil: no data available.
2,2-Bis-[4-(2,3-Epoxypropoxy) Phenyl] Propane, Polymer (25085-99-8)	
Persistence and degradability	Not established.
2,4,6-Tris (Dimethylaminomethyl) Phenol (90-72-2)	
Persistence and degradability	Not readily biodegradable in water. Highly mobile in soil. Low potential for adsorption in soil.
DMP-30	
Persistence and degradability	Biodegradability in soil: no data available.
GMP-800 (Trade Secret)	
Persistence and degradability	Not established.
Aluminium Oxide, Activated (1344-28-1)	
Persistence and degradability	Biodegradability: not applicable. No (test)data on mobility of the substance available.
ThOD	Not applicable
Silicon Dioxide, Amorphous (7631-86-9)	
Persistence and degradability	Biodegradability: not applicable.
Biochemical oxygen demand (BOD)	Not applicable
Chemical oxygen demand (COD)	Not applicable
ThOD	Not applicable
Zirconium (IV) Oxide (1314-23-4)	
Persistence and degradability	Biodegradability: not applicable. No (test)data on mobility of the substance available.
ThOD	Not applicable (inorganic)
Talc (14807-96-6)	
Persistence and degradability	Biodegradability: not applicable.
Biochemical oxygen demand (BOD)	Not applicable
Chemical oxygen demand (COD)	Not applicable
ThOD	Not applicable
Dolomite (16389-88-1)	
Persistence and degradability	Biodegradability: not applicable.
Biochemical oxygen demand (BOD)	Not applicable
Chemical oxygen demand (COD)	Not applicable
ThOD	Not applicable
Magnesium Carbonate (546-93-0)	
Persistence and degradability	Biodegradability: not applicable.
Biochemical oxygen demand (BOD)	Not applicable
Chemical oxygen demand (COD)	Not applicable
ThOD	Not applicable
Quartz (14808-60-7)	
Persistence and degradability	Biodegradability: not applicable.
Biochemical oxygen demand (BOD)	Not applicable
Chemical oxygen demand (COD)	Not applicable
ThOD	Not applicable
12.3. Bioaccumulative potential	
QUIKSTEEL COPPER PUTTY CARD 2 OZ.	
Bioaccumulative potential	Not established.
Copper, Powder (7440-50-8)	
Bioaccumulative potential	Bioaccumulation: not applicable.
Carbon Black (1333-86-4)	
Bioaccumulative potential	Not bioaccumulative. Not established.

QUIKSTEEL COPPER PUTTY CARD 2 OZ.

Safety Data Sheet

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

Epoxy Resins, Liquids, MM<=700 (25068-38-6)	
BCF other aquatic organisms 1	3 - 31 (BCF)
Log Pow	>= 2.918 (Experimental value; EU Method A.8: Partition Coefficient; 25 °C)
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).
Titanium (IV) Oxide (13463-67-7)	
Bioaccumulative potential	Not bioaccumulative.
Iron (III) Oxide (1309-37-1)	
Bioaccumulative potential	No bioaccumulation data available.
CI 77492 (51274-00-1)	
Bioaccumulative potential	Not established.
Electronic Grade Resin (28064-14-4)	
Bioaccumulative potential	No bioaccumulation data available.
2,2-Bis-[4-(2,3-Epoxypropoxy) Phenyl] Propane, Polymer (25085-99-8)	
Bioaccumulative potential	Not established.
2,4,6-Tris (Dimethylaminomethyl) Phenol (90-72-2)	
Log Pow	0.77 (Literature; 0.219; Experimental value; Equivalent or similar to OECD 107; 21.5 °C)
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).
DMP-30	
Bioaccumulative potential	No bioaccumulation data available.
GMP-800 (Trade Secret)	
Bioaccumulative potential	Not established.
Aluminium Oxide, Activated (1344-28-1)	
Bioaccumulative potential	No bioaccumulation data available.
Silicon Dioxide, Amorphous (7631-86-9)	
Bioaccumulative potential	Not bioaccumulative.
Zirconium (IV) Oxide (1314-23-4)	
BCF other aquatic organisms 1	0.64 (BCF; 24 h; Chlorella sp.; Fresh water)
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).
Talc (14807-96-6)	
Bioaccumulative potential	Not established.
Dolomite (16389-88-1)	
Bioaccumulative potential	No bioaccumulation data available.
Magnesium Carbonate (546-93-0)	
Bioaccumulative potential	No bioaccumulation data available.

12.4. Mobility in soil

Carbon Black (1333-86-4)	
Ecology - soil	Not toxic to plants. Not toxic to animals.
Epoxy Resins, Liquids, MM<=700 (25068-38-6)	
Surface tension	0.0 587-0.0589,20 °C
Log Koc	log Koc, SRC PCKOCWIN v2.0; 2.65; QSAR
2,4,6-Tris (Dimethylaminomethyl) Phenol (90-72-2)	
Log Koc	Koc, SRC PCKOCWIN v2.0; 20.98; QSAR; log Koc; 1.32; Calculated value

12.5. Other adverse effects

Other information : Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations. Dispose of contents/container to appropriate waste disposal facility, in accordance with local, regional, national, international regulations.

Ecology - waste materials : Avoid release to the environment.

QUIKSTEEL COPPER PUTTY CARD 2 OZ.

Safety Data Sheet

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

SECTION 14: Transport information

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

US DOT (ground): Not Regulated,
ICAO/IATA (air): Not Regulated,
IMO/IMDG (water): Not Regulated,

14.2. UN proper shipping name

Proper Shipping Name (DOT) : Not Regulated

14.3. Additional information

Other information : No supplementary information available.

Overland transport

No additional information available

Transport by sea

No additional information available

Air transport

No additional information available

SECTION 15: Regulatory information

15.1. US Federal regulations

QUIKSTEEL COPPER PUTTY CARD 2 OZ.

SARA Section 311/312 Hazard Classes	Immediate (acute) health hazard Delayed (chronic) health hazard
-------------------------------------	--

Copper, Powder (7440-50-8)

Subject to reporting requirements of United States SARA Section 313
Listed on the United States TSCA (Toxic Substances Control Act) inventory

Carbon Black (1333-86-4)

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

Electronic Grade Resin (28064-14-4)

Listed on the United States TSCA (Toxic Substances Control Act) inventory	
SARA Section 311/312 Hazard Classes	Immediate (acute) health hazard

2,2-Bis-[4-(2,3-Epoxypropoxy) Phenyl] Propane, Polymer (25085-99-8)

Listed on the United States TSCA (Toxic Substances Control Act) inventory	
SARA Section 311/312 Hazard Classes	Immediate (acute) health hazard

GMP-800 (Trade Secret)

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

15.2. International regulations

CANADA

Carbon Black (1333-86-4)

Listed on the Canadian DSL (Domestic Substances List)

Electronic Grade Resin (28064-14-4)

Listed on the Canadian DSL (Domestic Substances List)	
WHMIS Classification	Class D Division 2 Subdivision B - Toxic material causing other toxic effects

2,2-Bis-[4-(2,3-Epoxypropoxy) Phenyl] Propane, Polymer (25085-99-8)

Listed on the Canadian DSL (Domestic Substances List)	
WHMIS Classification	Class D Division 2 Subdivision B - Toxic material causing other toxic effects

GMP-800 (Trade Secret)

Listed on the Canadian DSL (Domestic Substances List)

EU-Regulations

Carbon Black (1333-86-4)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

Electronic Grade Resin (28064-14-4)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

QUIKSTEEL COPPER PUTTY CARD 2 OZ.

Safety Data Sheet

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

2,2-Bis-[4-(2,3-Epoxypropoxy) Phenyl] Propane, Polymer (25085-99-8)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

GMP-800 (Trade Secret)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

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

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

N; R51/53

Full text of R-phrases: see section 16

15.2.2. National regulations

Carbon Black (1333-86-4)

Listed on the AICS (Australian Inventory of Chemical Substances)
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)
Listed on NZIoC (New Zealand Inventory of Chemicals)
Listed on KECI (Korean Existing Chemicals Inventory)
Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory
Listed on the Korean ECL (Existing Chemicals List)

Electronic Grade Resin (28064-14-4)

Listed on the Korean ECL (Existing Chemicals List)
Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory
Listed on the AICS (Australian Inventory of Chemical Substances)
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)
Listed on NZIoC (New Zealand Inventory of Chemicals)

2,2-Bis-[4-(2,3-Epoxypropoxy) Phenyl] Propane, Polymer (25085-99-8)

Listed on the AICS (Australian Inventory of Chemical Substances)
Listed on KECI (Korean Existing Chemicals Inventory)
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)
Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory
Listed on NZIoC (New Zealand Inventory of Chemicals)

GMP-800 (Trade Secret)

Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)
Listed on the AICS (Australian Inventory of Chemical Substances)
Listed on the Korean ECL (Existing Chemicals List)

15.3. US State regulations

QUIKSTEEL COPPER PUTTY CARD 2 OZ.

U.S. - California - Proposition 65 - Carcinogens List	No
U.S. - California - Proposition 65 - Developmental Toxicity	No
U.S. - California - Proposition 65 - Reproductive Toxicity - Female	No
U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No
State or local regulations	U.S. - California - Proposition 65 - Maximum Allowable Dose Levels (MADL)

Copper, Powder (7440-50-8)

U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	Non-significant risk level (NSRL)
No	No	No	No	

Carbon Black (1333-86-4)

U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	Non-significant risk level (NSRL)
Yes	No	No	No	

Epoxy Resins, Liquids, MM<=700 (25068-38-6)

U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity -	U.S. - California - Proposition 65 - Reproductive Toxicity -	Non-significant risk level (NSRL)

QUIKSTEEL COPPER PUTTY CARD 2 OZ.

Safety Data Sheet

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

Epoxy Resins, Liquids, MM<=700 (25068-38-6)				
		Female	Male	
No	No	No	No	
Titanium (IV) Oxide (13463-67-7)				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	Non-significant risk level (NSRL)
No	No	No	No	
Iron (III) Oxide (1309-37-1)				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	Non-significant risk level (NSRL)
No	No	No	No	
CI 77492 (51274-00-1)				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	Non-significant risk level (NSRL)
No	No	No	No	
Electronic Grade Resin (28064-14-4)				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	Non-significant risk level (NSRL)
No	No	No	No	
2,2-Bis-[4-(2,3-Epoxypropoxy) Phenyl] Propane, Polymer (25085-99-8)				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	Non-significant risk level (NSRL)
No	No	No	No	
2,4,6-Tris (Dimethylaminomethyl) Phenol (90-72-2)				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	Non-significant risk level (NSRL)
No	No	No	No	
DMP-30				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	Non-significant risk level (NSRL)
No	No	No	No	
GMP-800 (Trade Secret)				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	Non-significant risk level (NSRL)
No	No	Yes	Yes	
Aluminium Oxide, Activated (1344-28-1)				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	Non-significant risk level (NSRL)
No	No	No	No	

QUIKSTEEL COPPER PUTTY CARD 2 OZ.

Safety Data Sheet

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

Silicon Dioxide, Amorphous (7631-86-9)				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	Non-significant risk level (NSRL)
No	No	No	No	
Zirconium (IV) Oxide (1314-23-4)				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	Non-significant risk level (NSRL)
No	No	No	No	
Talc (14807-96-6)				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	Non-significant risk level (NSRL)
No	No	No	No	
Dolomite (16389-88-1)				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	Non-significant risk level (NSRL)
No	No	No	No	
Magnesium Carbonate (546-93-0)				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	Non-significant risk level (NSRL)
No	No	No	No	
Quartz (14808-60-7)				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	Non-significant risk level (NSRL)
No	No	No	No	
Carbon Black (1333-86-4)				
State or local regulations				
U.S. - California - Proposition 65 - Maximum Allowable Dose Levels (MADL) U.S. - Pennsylvania - RTK (Right to Know) List U.S. - New Jersey - Right to Know Hazardous Substance List U.S. - Massachusetts - Right To Know List				
GMP-800 (Trade Secret)				
State or local regulations				
U.S. - California - Proposition 65 - Maximum Allowable Dose Levels (MADL)				

SECTION 16: Other information

Indication of changes : Revision - See : *

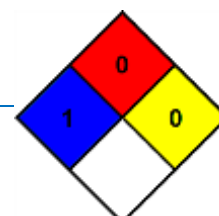
Other information : None.

Full text of H-phrases:

H302	Harmful if swallowed
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H350	May cause cancer
H351	Suspected of causing cancer
H411	Toxic to aquatic life with long lasting effects

NFPA health hazard : 1 - Exposure could cause irritation but only minor residual injury even if no treatment is given.

NFPA fire hazard : 0 - Materials that will not burn.



QUIKSTEEL COPPER PUTTY CARD 2 OZ.

Safety Data Sheet

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

NFPA reactivity	: 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.
-----------------	--

HMIS III Rating

Health	: 1 Slight Hazard - Irritation or minor reversible injury possible
Flammability	: 0 Minimal Hazard
Physical	: 0 Minimal Hazard
Personal Protection	: B

SDS US (GHS HazCom 2012) - TCC

The Supplier identified in Section 1 of this MSDS has evaluated this product and certifies it to be labeled and packaged in compliance with the applicable provisions of the Federal Hazardous Substance Act as stated in 16 CFR 1500 and enforced by the Consumer Product Safety Commission, and where applicable the products that require Child Resistant Closures are packaged in accordance with the Poison Prevention Packaging Act as stated in 16 CFR 1700 and enforced by the Consumer Product Safety Commission. All closures have been tested in accordance with the latest protocols. No other testing is required to certify compliance with the above. The date of manufacture is stamped on the product

Disclaimer: The information and recommendations contained herein are based upon tests believed to be reliable. However, the manufacturer/distributor of this product does not guarantee their accuracy or completeness NOR SHALL ANY OF THIS INFORMATION CONSTITUTE A WARRANTY, WHETHER EXPRESSED OR IMPLIED, AS TO THE SAFETY OF THE GOODS, THE MERCHANTABILITY OF THE GOODS, OR THE FITNESS OF THE GOODS FOR A PARTICULAR PURPOSE. Adjustment to conform to actual conditions of usage may be required. The manufacturer/distributor assumes no responsibility for results obtained or for incidental or consequential damages, including lost profits, arising from the use of these data. No warranty against infringement of any patent, copyright or trademark is made or implied.