



## Safety Data Sheet

According to OSHA Communication Standard, 29 CFR 1910.1200

Rapid Set DARK

### SECTION 1: Identification

#### Product identifier

Product name: Dark

Product code: 811100000

#### Recommended use of the product and restriction on use

Relevant identified uses: Additive for cement-based products

Uses advised against: Not determined or not applicable.

Reasons why uses advised against: Not determined or not applicable.

#### Manufacturer or supplier details

##### Manufacturer:

United States

CTS Cement Manufacturing Corporation

12442 Knott St.

Garden Grove, CA 92841

800-929-3030

info@ctsceement.com

#### Emergency telephone number:

United States

INFOTRAC 1-800-535-5053

International

INFOTRAC 1-352-323-3500

### SECTION 2: Hazard(s) identification

#### GHS classification:

This product is classified as hazardous according to the criteria contained in the Hazard Communication Standard 29 CFR 1910.1200 (known as HCS 2012) and the Hazardous Products Regulations SOR/2015-17 (known as WHMIS 2015).

Not a dangerous substance or mixture according to the Globally Harmonized System (GHS)

#### Label elements

Signal word: None

#### Hazard statements:

Health injuries are not known or expected under normal use.

#### Hazards not otherwise classified:

None.

### SECTION 3: Composition/information on ingredients

Identification	Name	Weight %
CAS number: 1317-61-9	Black iron oxide	90-100



## Safety Data Sheet

According to OSHA Communication Standard, 29 CFR 1910.1200

### Rapid Set DARK

#### Additional Information:

The specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret in accordance with paragraph (i) of the OSHA Hazard Communication Standard (29 CFR §1910.1200).

### SECTION 4: First aid measures

#### Description of first aid measures

##### General notes:

No hazards which require special first aid measures.

##### After inhalation:

Remove to fresh air. If symptoms persist, call a physician.

##### After skin contact:

Wash off immediately with soap and plenty of water.

##### After eye contact:

Rinse thoroughly with plenty of water, also under the eyelids.

##### After swallowing:

Clean mouth with water and drink afterwards plenty of water.

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

##### Acute symptoms and effects:

Not determined or not applicable.

##### Delayed symptoms and effects:

Not determined or not applicable.

#### Immediate medical attention and special treatment

##### Specific treatment:

Treat symptomatically.

##### Notes for the doctor:

Not determined.

### SECTION 5: Firefighting measures

#### Extinguishing media

##### Suitable extinguishing media:

Dry chemical, Carbon Dioxide, Foam, Sand. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

##### Unsuitable extinguishing media:

Use of water spray when fighting fire may be inefficient.

##### Specific hazards during fire-fighting:

Thermal decomposition can lead to the release of irritating gases and vapors. Carbon monoxide. Carbon dioxide (CO<sub>2</sub>). Standard procedure for chemical fires. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

##### Special protective equipment for firefighters:

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

##### Special precautions:

Thermal decomposition can lead to the release of irritating gases and vapors. Carbon monoxide. Carbon dioxide (CO<sub>2</sub>).



## Safety Data Sheet

According to OSHA Communication Standard, 29 CFR 1910.1200

### Rapid Set DARK

#### SECTION 6: Accidental release measures

##### Personal precautions, protective equipment and emergency procedures:

Avoid dust formation. Avoid contact with skin, eyes or clothing. Use personal protective equipment as required.

##### Environmental precautions:

See Section 12 for additional ecological information. Vacuum or sweep up material and place in a designated labeled waste container. Prevent further leakage or spillage if safe to do so. Prevent dust cloud. With clean shovel place material into clean, dry container and cover loosely; move containers from spill area. Take up with sand, earth or other non-combustible absorbent material. Use personal protective equipment as required.

##### Reference to other sections:

For waste disposal, see section 13 of the SDS. Clean contaminated objects and areas thoroughly observing environmental regulations.

#### SECTION 7: Handling and storage

##### Precautions for safe handling:

Avoid creating dust. Keep away from fire, sparks and heated surfaces. For personal protection see section 8. Smoking, eating and drinking should be prohibited in the application area.

##### Conditions for safe storage, including any incompatibilities:

Keep in a dry place. Store at room temperature in the original container. Keep container tightly closed in a dry and well-ventilated place. Electrical installations / working materials must comply with technological safety standards. No materials are mentioned to be avoided. No decomposition if stored and applied as directed.

#### SECTION 8: Exposure controls/personal protection

Only those substances with limit values have been included below.

##### Occupational Exposure limit values:

Where exposure limits have not been established for specific components of this material, please observe the OSHA and ACGIH established limits for particulates not otherwise classified (PNOC). OSHA PEL: [15 mg/m<sup>3</sup> (total dust) 8-hr TWA], [5 mg/m<sup>3</sup> (respirable) 8-hr TWA]. ACGIH TLV: [10 mg/m<sup>3</sup> (inhalable) 8-hr TWA], [3 mg/m<sup>3</sup> (respirable) 8-hr TWA].

##### Biological limit values:

No biological exposure limits noted for the ingredient(s).

##### Information on monitoring procedures:

Monitoring of the concentration of substances in the breathing zone of workers or in the general workplace may be required to confirm compliance with an OEL and adequacy of exposure controls. Biological monitoring may also be appropriate for some substances.

##### Appropriate engineering controls:

Showers, eyewash stations, and ventilation systems.

##### Personal protection equipment

##### Eye and face protection:

Avoid contact with eyes. Safety glasses with side-shields.

##### Skin and body protection:

Wear protective gloves and protective clothing. Protective shoes or boots.

##### Respiratory protection:



## Safety Data Sheet

According to OSHA Communication Standard, 29 CFR 1910.1200

### Rapid Set DARK

In case of inadequate ventilation wear respiratory protection.

#### General hygienic measures:

Handle in accordance with good industrial hygiene and safety practice. Regular cleaning of equipment, work area and clothing is recommended. Wash face, hands, and any exposed skin thoroughly after handling. Do not eat, drink or smoke when using this product.

### SECTION 9: Physical and chemical properties

#### Information on basic physical and chemical properties

Appearance	Granular solid; Black microgranules
Odor	Odorless
Odor threshold	Not available
pH	3-8
Melting point/freezing point	>1000°C (1832°F)
Initial boiling point/range	Not applicable
Flash point (closed cup)	Not available
Evaporation rate	Not applicable
Flammability (solid, gas)	Not available
Upper flammability/explosive limit	Not available
Lower flammability/explosive limit	15 mg/m <sup>3</sup>
Vapor pressure	Not applicable
Vapor density	Not applicable
Bulk Density	Not available
Relative density	4.0-4.5
Solubilities	Not available
Partition coefficient (n-octanol/water)	Not available
Auto/Self-ignition temperature	Not available
Decomposition temperature	80°C (176°F)
Dynamic viscosity	Not applicable
Kinematic viscosity	Not applicable
Explosive properties	Dust might form explosive mixtures with air.
Oxidizing properties	Not available

### SECTION 10: Stability and reactivity

#### Reactivity:

No data available.

#### Chemical stability:

Stable under normal conditions of use and storage.

**Safety Data Sheet**

According to OSHA Communication Standard, 29 CFR 1910.1200

**Rapid Set DARK****Possibility of hazardous reactions:**

None under normal conditions of use and storage.

**Conditions to avoid:**

Extremes of temperature and direct sunlight.

**Incompatible materials:**

Strong oxidizing agents. Strong acids.

**Hazardous decomposition products:**

Thermal decomposition can lead to release of irritating and toxic gases and vapors. Carbon monoxide and carbon dioxide.

**SECTION 11: Toxicological information****Information on toxicological effects:****Acute toxicity****Assessment:** Based on available data, the classification criteria are not met.**Product data:** No data is available.**Substance data:** No data is available.**Skin corrosion/irritation****Assessment:** Based on available data, the classification criteria are not met.**Product data:** No data is available.**Substance data:** No data is available.**Serious eye damage/irritation****Assessment:** Based on available data, the classification criteria are not met.**Product data:** No data is available.**Substance data:** No data is available.**Respiratory or skin sensitization****Assessment:** Based on available data, the classification criteria are not met.**Product data:** No data is available.**Substance data:**

Name	Species	Route	Result
Black iron oxide	Rat	Oral	LD50: >10000 mg/kg

**Carcinogenicity****Assessment:** Based on available data, the classification criteria are not met.**Product data:** No data is available.**Substance data:** No data is available.**International Agency for Research on Cancer (IARC):****Assessment:** Based on available data, the classification criteria are not met.**Product data:** No data is available.**Substance data:** No data is available.**National Toxicology Program (NTP):****Assessment:** Based on available data, the classification criteria are not met.**Product data:** No data is available.**Substance data:** No data is available.



## Safety Data Sheet

According to OSHA Communication Standard, 29 CFR 1910.1200

### Rapid Set DARK

#### Germ cell mutagenicity

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:** No data is available.

**Substance data:** No data is available.

#### Reproductive toxicity

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:** No data is available.

**Substance data:** No data is available.

#### Specific target organ toxicity (single exposure)

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:** No data is available.

**Substance data:** No data is available.

#### Aspiration toxicity

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:** No data is available.

**Substance data:** No data is available.

#### Information on likely routes of exposure:

No data is available.

#### Symptoms related to the physical, chemical and toxicological characteristics:

No data is available.

#### Other information:

No data is available.

### SECTION 12: Ecological information

#### Acute (short-term) toxicity

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:** No data available.

**Substance data:** No data available.

#### Chronic (long-term) toxicity

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:** No data available.

**Substance data:** No data available.

#### Persistence and degradability

**Product data:** No data available.

**Substance data:** No data available.

#### Bioaccumulative potential

**Product data:** No data available.

**Substance data:** No data available.

#### Mobility in soil

**Product data:** No data available.

**Substance data:** No data available.

**Safety Data Sheet**

According to OSHA Communication Standard, 29 CFR 1910.1200

**Rapid Set DARK**

Other adverse effects: No data available.

**SECTION 13: Disposal considerations****Disposal methods:**

This material, as supplied, is not a hazardous waste according to state and federal regulations (40 CFR 261).  
Dispose of in accordance with national, state, and local regulations.

**SECTION 14: Transport information****United States Transportation of dangerous goods (49 CFR DOT)**

UN number	Not regulated
UN proper shipping name	Not regulated
UN transport hazard class(es)	None
Packing group	None
Environmental hazards	None
Special precautions for user	None

**International Maritime Dangerous Goods (IMDG)**

UN number	Not regulated
UN proper shipping name	Not regulated
UN transport hazard class(es)	None
Packing group	None
Environmental hazards	None
Special precautions for user	None

**International Air Transport Association Dangerous Goods Regulations (IATA-DGR)**

UN number	Not regulated
UN proper shipping name	Not regulated
UN transport hazard class(es)	None
Packing group	None
Environmental hazards	None
Special precautions for user	None

**SECTION 15: Regulatory information**

**United States regulations Inventory listing (TSCA):** All components are on the US EPA TSCA Inventory List.

**Significant New Use Rule (TSCA Section 5):** None of the ingredients are listed.

**Export notification under TSCA Section 12(b):** None of the ingredients are listed.

**SARA Section 302 extremely hazardous substances:** None of the ingredients are listed.

**SARA Section 311/312 hazardous:** None of the ingredients are listed.

**SARA Section 313 toxic chemicals:** None of the ingredients are listed.



## Safety Data Sheet

According to OSHA Communication Standard, 29 CFR 1910.1200

### Rapid Set DARK

**CERCLA:** This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

**RCRA:** None of the ingredients are listed.

**Section 112(r) of the Clean Air Act (CAA):** None of the ingredients are listed.

**Massachusetts Right to Know:** No ingredient regulated by MA Right-to-Know Law present.

**New Jersey Right to Know:** No ingredient regulated by NJ Right-to-Know Law present.

**New York Right to Know:** No ingredient regulated by NY Right-to-Know Law present.

**Pennsylvania Right to Know:** No ingredient regulated by PA Right-to-Know Law present.

### California Proposition 65:

Not listed/Not Regulated

### SECTION 16: Other information

#### Abbreviations and Acronyms:

**ACGIH:** American Conference of Governmental Industrial Hygienists

**ADR:** European Road Transport

**AU:** Australia

**CA:** Canada

**CAS:** Chemical Abstracts Service

**CERCLA:** Comprehensive Environmental Response, Compensation, and Liability Act

**CN:** China

**CPR:** Controlled Products Regulations

**DFG:** Deutsche Forschungsgemeinschaft

**DOT:** Department of Transportation

**DSL:** Domestic Substances List

**EEC:** European Economic Community

**ECHA:** European Chemicals Agency

**EINECS:** European Inventory of Existing Commercial Chemical Substances

**EPA:** Environmental Protection Agency

**EU:** European Association

**IARC:** International Agency for Research on Cancer

**IMDG:** International maritime dangerous goods code

**IATA:** International Air Transport Association

**ICAO:** International Civil Aviation Organization

**JP:** Japan

**COD:** Chemical Oxygen Demand

**BOD5:** 5-day biochemical oxygen demand

**BCF:** Bioconcentration factor

**LD50:** Lethal Dose 50

**CL50:** Lethal Concentration 50

**EC50:** Effective concentration 50

**Safety Data Sheet**

According to OSHA Communication Standard, 29 CFR 1910.1200

**Rapid Set DARK****Log-POW:** Octanol-water partition coefficient**Koc:** Partition coefficient of organic carbon**Know:** Octanol/water partition coefficient**KR:** Korea**LEL:** Lower Explosive Limit**UEL:** Upper Explosive Limit**NIOSH:** National Institute for Occupational Safety and Health Administration**PH:** Philippines**RCRA:** Resource Conservation and Recovery Act**OSHA:** Occupational Safety and Health Administration**RID:** European Rail Transport**SARA:** Superfund Amendments and Reauthorization Act**STEL:** Short Term Exposure Limit**TDG:** Transportation of Dangerous Goods**TSCA:** Toxic Substances Control Act**TWA:** Time Weighted Average**US:** United States**Disclaimer:**

This product has been classified in accordance with OSHA HCS 2012 guidelines. The information provided in this SDS is correct, to the best of our knowledge, based on information available. The information given is designed only as a guidance for safe handling, use, storage, transportation and disposal and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials, unless specified in the text. The responsibility to provide a safe workplace remains with the user.

**NFPA:** 0-1-0**HMIS:** 0-1-0-X**Initial preparation date:** 11/07/18**Version #:** 4**Revision Date:** 09/30/25**End of Safety Data Sheet**