

### SECTION 1: Identification

#### 1.1. Identification

Product form : Article  
 Product name : Stylmark® Tube Marker, RS.2000 Paint Refill Tube  
 Synonyms : Stylmark® Tube Marker - Black, Blue, Green, Red, White, Yellow, Orange, Purple, Gray, Pink, Brown / RS.2000 Paint Refill Tube - Black, Blue, Green, Red, White, Yellow, Orange, Purple, Gray, Pink, Brown

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

Use of the substance/mixture : Marking.

#### 1.3. Details of the supplier of the safety data sheet

LA-CO Industries, Inc.  
 1201 Pratt Boulevard  
 Elk Grove Village, IL. 60007-5746  
 Phone: (847) 956-7600  
 Fax: (847) 956-9885  
 E-mail: [customer\\_service@laco.com](mailto:customer_service@laco.com)



#### 1.4. Emergency telephone number

Emergency number : 24-hour emergency: CHEMTREC- U.S. : 1-800-424-9300 International: +1-703-527-3887

### SECTION 2: Hazard(s) identification

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

##### GHS-US classification

Not classified

#### 2.2. Label elements

##### GHS-US labelling

No labelling applicable

#### 2.3. Other hazards

No additional information available

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

1.17% of the mixture consists of ingredient(s) of unknown acute toxicity (Oral)  
 1.17% of the mixture consists of ingredient(s) of unknown acute toxicity (Dermal)  
 1.17% of the mixture consists of ingredient(s) of unknown acute toxicity (Inhalation (Dust/Mist))

### SECTION 3: Composition/information on ingredients

#### 3.1. Substances

Not applicable

#### 3.2. Mixtures

| Name             | Product identifier   | %   | GHS-US classification                 |
|------------------|----------------------|---|---------------------------------------|
| Butyl acetate    | (CAS-No.) 123-86-4   | 30.84 – 48.59 Black, Purple<br>30.87 – 48.47 Blue<br>30.87 – 48.66 Green<br>31.09 – 48.97 Red<br>29.57 – 46.47 White<br>30.18 – 47.43 Yellow<br>29.54 – 47.16 Orange<br>29.91 – 48.28 Pink<br>29.86 – 46.97 Gray<br>29.57 – 48.34 Brown | Flam. Liq. 3, H226<br>STOT SE 3, H336 |
| Titanium dioxide | (CAS-No.) 13463-67-7 | 5.05 – 6.32 White<br>1.21 – 1.51 Yellow<br>1.99 Pink<br>1.86 Purple<br>5.06 Gray<br>0.15 Brown  | Carc. 2, H351                         |

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|                                |                      |  |                |
|--------------------------------|----------------------|--|----------------|
| Silicon dioxide (cristobalite) | (CAS-No.) 14808-60-7 | < 0.97 Black, Green, Purple<br>< 0.96 Blue, Orange<br>< 0.98 Red<br>< 0.92 White<br>< 0.94 Yellow<br>< 1 Pink<br>< 0.93 Gray<br>< 1.02 Brown | Carc. 1A, H350 |
| Carbon black                   | (CAS-No.) 1333-86-4  | 0.62 - < 0.89 Black<br>0.12 - < 0.18 Gray<br>0.02 - < 0.04 Brown   | Carc. 2, H351  |

Full text of hazard classes 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.
- First-aid measures after inhalation : Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.
- First-aid measures after skin contact : Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
- First-aid measures after eye contact : In case of contact, immediately flush eyes with plenty of water.
- First-aid measures after ingestion : Get medical advice/attention.

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

- Symptoms/effects after inhalation : May cause drowsiness or dizziness. Inhalation of vapours may cause respiratory irritation.
- Symptoms/effects after skin contact : Repeated exposure may cause skin dryness or cracking.

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

Treat symptomatically.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

- Suitable extinguishing media : Use extinguishing media appropriate for surrounding fire.
- Unsuitable extinguishing media : None known.

#### 5.2. Special hazards arising from the substance or mixture

- Fire hazard : Flammable liquid and vapour. Burning produces irritating, toxic and noxious fumes.
- Explosion hazard : May form flammable/explosive vapour-air mixture.
- Reactivity : No dangerous reactions known.

#### 5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers.
- Protection during firefighting : Wear a self contained breathing apparatus. Wear fire/flammable resistant/retardant clothing. EN469.

### 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. Avoid all eye and skin contact and do not breathe vapour and mist.

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

- Protective equipment : Large amounts: Wear suitable protective clothing and gloves. Chemical goggles or safety glasses.
- Emergency procedures : Evacuate area.

##### 6.1.2. For emergency responders

- Protective equipment : Large amounts: Wear suitable protective clothing and gloves, Chemical goggles or safety glasses.
- Emergency procedures : Stop leak if safe to do so. Ventilate area.

#### 6.2. Environmental precautions

Avoid release to the environment.

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

- For containment : Stop leak if safe to do so. Do not allow minor leaks or spills to accumulate on walking surfaces.

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Methods for cleaning up : Absorb and/or contain spill with inert material, then place in suitable container. Following recovery, flush area with water. Clean surface thoroughly to remove residual contamination.

### 6.4. Reference to other sections

Section 13: disposal information. Section 7: safe handling. Section 8: personal protective equipment.

## 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 : No open flames. No smoking. Take precautionary measures against static discharge. Use only non-sparking tools. Avoid all eye and skin contact and do not breathe vapour and mist. Use only outdoors or in a well-ventilated area.

Hygiene measures : Always wash your hands immediately after handling this product, and once again before leaving the workplace. Do not eat, drink or smoke when using this product.

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

Storage conditions : Keep container tightly closed.

Incompatible products : Strong acids. Strong bases. Strong oxidizers.

Incompatible materials : Heat sources. Direct sunlight.

Heat and ignition sources : Keep away from heat, sparks and flame.

Prohibitions on mixed storage : Incompatible materials.

Storage area : Store in dry, cool, well-ventilated area. Keep out of direct sunlight. Keep out of reach of children.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

| Stylmark® Tube Marker, RS.2000 Paint Refill Tube |                                     |  |
|--|-------------------------------------|--|
| ACGIH  | Not applicable                      |  |
| OSHA   | Not applicable                      |  |
| Butyl acetate (123-86-4)                         |                                     |  |
| ACGIH  | ACGIH TWA (mg/m <sup>3</sup> )      | 713 mg/m <sup>3</sup>  |
| ACGIH  | ACGIH TWA (ppm)                     | 150 ppm  |
| ACGIH  | ACGIH STEL (mg/m <sup>3</sup> )     | 950 mg/m <sup>3</sup>  |
| ACGIH  | ACGIH STEL (ppm)                    | 200 ppm  |
| ACGIH  | Remark (ACGIH)                      | Eye & URT irr  |
| OSHA   | OSHA PEL (TWA) (mg/m <sup>3</sup> ) | 710 mg/m <sup>3</sup>  |
| OSHA   | OSHA PEL (TWA) (ppm)                | 150 ppm  |
| Canada (Quebec)                                  | VECD (mg/m <sup>3</sup> )           | 950 mg/m <sup>3</sup>  |
| Canada (Quebec)                                  | VECD (ppm)                          | 200 ppm  |
| Canada (Quebec)                                  | VEMP (mg/m <sup>3</sup> )           | 713 mg/m <sup>3</sup>  |
| Canada (Quebec)                                  | VEMP (ppm)                          | 150 ppm  |
| Carbon black (1333-86-4)                         |                                     |  |
| ACGIH  | ACGIH TWA (mg/m <sup>3</sup> )      | 3 mg/m <sup>3</sup>  |
| ACGIH  | Remark (ACGIH)                      | Bronchitis   |
| OSHA   | OSHA PEL (TWA) (mg/m <sup>3</sup> ) | 3.5 mg/m <sup>3</sup>  |
| Canada (Quebec)                                  | VEMP (mg/m <sup>3</sup> )           | 10 mg/m <sup>3</sup> (Fibres de carbone et de graphite; Poussière totale)<br>5 mg/m <sup>3</sup> (Fibres de carbone et de graphite; Poussière respirable)<br>3.5 mg/m <sup>3</sup> |
| Titanium dioxide (13463-67-7)                    |                                     |  |
| ACGIH  | ACGIH TWA (mg/m <sup>3</sup> )      | 10 mg/m <sup>3</sup>   |
| OSHA   | OSHA PEL (TWA) (mg/m <sup>3</sup> ) | 15 mg/m <sup>3</sup>   |
| Canada (Quebec)                                  | VEMP (mg/m <sup>3</sup> )           | 10 mg/m <sup>3</sup>   |

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| Titanium dioxide (13463-67-7)               |                                |                                 |
|---|--------------------------------|---------------------------------|
| Canada (Quebec)                             | Notations and remarks          | (la poussière totale), (note1)  |
| Silicon dioxide (cristobalite) (14808-60-7) |                                |                                 |
| ACGIH                                       | ACGIH TWA (mg/m <sup>3</sup> ) | 0.025 mg/m <sup>3</sup>         |
| ACGIH                                       | Remark (ACGIH)                 | (respirable dust)               |
| OSHA  | OSHA PEL (TWA) (ppm)           | 250 mppcf                       |
| OSHA  | Remark (OSHA)                  | (3) See Table Z-3.              |
| Canada (Quebec)                             | VEMP (mg/m <sup>3</sup> )      | 0.1 mg/m <sup>3</sup>           |
| Canada (Quebec)                             | Notations and remarks          | (la poussière respirable), (C2) |

### 8.2. Exposure controls

|                                  |   |
|----------------------------------|---|
| Appropriate engineering controls | : Ensure good ventilation of the work station.  |
| Hand protection                  | : None under normal use.  |
| Eye protection                   | : None under normal use.  |
| Respiratory protection           | : In case of inadequate ventilation wear respiratory protection. Wear appropriate mask. |
| Consumer exposure controls       | : Keep out of reach of children.  |
| Other information                | : Do not eat, drink or smoke when using this product.                                   |

## SECTION 9: Physical and chemical properties

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

|  |  |
|--|--|
| Physical state                             | : Liquid   |
| Appearance                                 | : Solid marker containing liquid colored paint.                                    |
| Colour                                     | : Variable   |
| Odour                                      | : Solvent  |
| Odour threshold                            | : No data available  |
| pH   | : No data available  |
| Melting point                              | : No data available  |
| Freezing point                             | : 21 - 55 °C   |
| Boiling point                              | : > 35 °C  |
| Flash point                                | : 27.5 °C  |
| Relative evaporation rate (butylacetate=1) | : No data available  |
| Flammability (solid, gas)                  | : Flammable liquid and vapour.   |
| Vapour pressure                            | : < 110 kPa  |
| Relative vapour density at 20 °C           | : No data available  |
| Relative density                           | : No data available  |
| Solubility                                 | : insoluble in water.  |
| Log Pow                                    | : No data available  |
| Auto-ignition temperature                  | : No data available  |
| Decomposition temperature                  | : No data available  |
| Viscosity, kinematic                       | : No data available  |
| Viscosity, dynamic                         | : No data available  |
| Explosive limits                           | : Lower explosive limit (LEL): 1.2 vol %<br>Upper explosive limit (UEL): 7.5 vol % |
| Explosive properties                       | : No data available  |
| Oxidising properties                       | : No data available  |

### 9.2. Other information

|             |          |
|-------------|----------|
| VOC content | : ≈ 50 % |
|-------------|----------|

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No dangerous reactions known.

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### 10.2. Chemical stability

Flammable liquid and vapour. May form flammable/explosive vapour-air mixture.

### 10.3. Possibility of hazardous reactions

Hazardous polymerization will not occur.

### 10.4. Conditions to avoid

Open flame. Overheating. Direct sunlight. Heat. Sparks.

### 10.5. Incompatible materials

Strong bases. Strong oxidizers. Strong acids.

### 10.6. Hazardous decomposition products

May release flammable gases. Burning produces irritating, toxic and noxious fumes.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

**Likely routes of exposure** : Inhalation; Skin and eye contact

**Acute toxicity** : Not classified

| <b>Butyl acetate (123-86-4)</b> |                        |
|---------------------------------|------------------------|
| LD50 oral rat                   | 10760 mg/kg            |
| LD50 dermal rabbit              | > 14112 mg/kg          |
| LC50 inhalation rat (mg/l)      | > 21 mg/l/4h           |
| ATE US (oral)                   | 10760 mg/kg bodyweight |

| <b>Carbon black (1333-86-4)</b> |                             |
|---------------------------------|-----------------------------|
| LD50 oral rat                   | > 8000 mg/kg                |
| LC50 inhalation rat (mg/l)      | > 4.6 mg/m <sup>3</sup> 4 h |

| <b>Titanium dioxide (13463-67-7)</b> |                |
|--------------------------------------|----------------|
| LD50 oral rat                        | > 5000 mg/kg   |
| LC50 inhalation rat (mg/l)           | > 6.82 mg/l/4h |

**Skin corrosion/irritation** : Not classified  
**Serious eye damage/irritation** : Not classified  
**Respiratory or skin sensitisation** : Not classified  
**Germ cell mutagenicity** : Not classified  
**Carcinogenicity** : Not classified.

| <b>Carbon black (1333-86-4)</b> |  |
|---------------------------------|--|
| IARC group                      | 2B - Possibly carcinogenic to humans, Inhalation of dust |

| <b>Titanium dioxide (13463-67-7)</b>        |   |
|---|---|
| NOAEL (chronic, oral, animal/male, 2 years) | 5 mg/kg bodyweight rat                        |
| Additional information                      | Carcinogen<br>Inhalation of dust              |
| IARC group                                  | 2B - Possibly carcinogenic to humans, as dust |

| <b>Silicon dioxide (cristobalite) (14808-60-7)</b> |                            |
|--|----------------------------|
| IARC group   | 1 - Carcinogenic to humans |

**Reproductive toxicity** : Not classified  
**Specific target organ toxicity (single exposure)** : Not classified.  
**Specific target organ toxicity (repeated exposure)** : Not classified  
**Aspiration hazard** : Not classified

Symptoms/effects after inhalation : May cause drowsiness or dizziness. Inhalation of vapours may cause respiratory irritation.

Symptoms/effects after skin contact : Repeated exposure may cause skin dryness or cracking.

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### SECTION 12: Ecological information

#### 12.1. Toxicity

Ecology - general : No ecotoxicological data about this product are known.

#### 12.2. Persistence and degradability

| Stylmark® Tube Marker, RS.2000 Paint Refill Tube |                  |
|--|------------------|
| Persistence and degradability                    | Not established. |

| Carbon black (1333-86-4)      |                            |
|-------------------------------|----------------------------|
| Persistence and degradability | Not readily biodegradable. |

#### 12.3. Bioaccumulative potential

| Stylmark® Tube Marker, RS.2000 Paint Refill Tube |                  |
|--|------------------|
| Bioaccumulative potential                        | Not established. |

#### 12.4. Mobility in soil

| Stylmark® Tube Marker, RS.2000 Paint Refill Tube |                                      |
|--|--------------------------------------|
| Ecology - soil                                   | No additional information available. |

#### 12.5. Other adverse effects

Other information : No additional information available.

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

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

### SECTION 14: Transport information

#### In accordance with US-DOT 49-CFR and the HMR / TDG / ADR / IMDG / ICAO / IATA

In accordance with DOT

Transport document description : UN1263 Paint (including paint, lacquer, enamel, stain, shellac solutions, varnish, polish, liquid filler, and liquid lacquer base), 3, III

UN-No.(DOT) : UN1263

Proper Shipping Name (DOT) : Paint (including paint, lacquer, enamel, stain, shellac solutions, varnish, polish, liquid filler, and liquid lacquer base)

Transport hazard class(es) (DOT) : 3 - Class 3 - Flammable and combustible liquid 49 CFR 173.120

Packing group (DOT) : III - Minor Danger

Hazard labels (DOT) : 3 - Flammable liquid



#### Transportation of Dangerous Goods

Transport document description : UN1263 Paint, 3, III

UN-No. (TDG) : UN1263

Proper Shipping Name (Transportation of Dangerous Goods) : Paint

TDG Primary Hazard Classes : 3 - Class 3 - Flammable Liquids

Packing group : III - Minor Danger

#### Transport by sea

Proper Shipping Name (IMDG) : Not Regulated in accordance with section 2.3.2.5 if the IMDG code

#### Air transport

UN-No. (IATA) : 1263

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Proper Shipping Name (IATA) : PAINT  
Class (IATA) : 3 - Flammable Liquids  
Packing group (IATA) : III - Minor Danger

### SECTION 15: Regulatory information

#### 15.1. US Federal regulations

##### Butyl acetate (123-86-4)

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

CERCLA RQ 5000 lb

##### Carbon black (1333-86-4)

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

##### Titanium dioxide (13463-67-7)

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

##### Silicon dioxide (cristobalite) (14808-60-7)

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

##### Stylmark® Tube Marker, RS.2000 Paint Refill Tube

All components are listed on the EEC inventory European Inventory of Existing Commercial Chemical Substances (EINECS).  
All ingredients are listed on the Canadian Domestic Substances List (DSL) or Non-Domestic Substances List (NDSL).  
All ingredients are listed in the Toxic Substances Control Act (TSCA).

#### 15.3. US State regulations

##### Stylmark® Tube Marker, RS.2000 Paint Refill Tube

State or local regulations The carbon black in this product is bound and is not respirable.  
California Prop. 65 warnings are not required.

##### 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 | No significant risk level (NSRL) |
|---|---|---|---|----------------------------------|
| Yes   | No  | No  | No  |                                  |

##### Titanium dioxide (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 | No significant risk level (NSRL) |
|---|---|---|---|----------------------------------|
| Yes   | No  | No  | No  |                                  |

##### Silicon dioxide (cristobalite) (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 | No significant risk level (NSRL) |
|---|---|---|---|----------------------------------|
| Yes   | No  | No  | No  |                                  |

##### Butyl acetate (123-86-4)

U.S. - Delaware - Pollutant Discharge Requirements - Reportable Quantities  
U.S. - Idaho - Non-Carcinogenic Toxic Air Pollutants - Acceptable Ambient Concentrations  
U.S. - Idaho - Non-Carcinogenic Toxic Air Pollutants - Emission Levels (ELs)  
U.S. - Idaho - Occupational Exposure Limits - Ceilings  
U.S. - Minnesota - Hazardous Substance List  
U.S. - Washington - Permissible Exposure Limits - TWAs  
U.S. - New Jersey - Right to Know Hazardous Substance List  
U.S. - New York - Right to Know List of Hazardous Substances  
U.S. - Pennsylvania - List of Hazardous Substances

##### Carbon black (1333-86-4)

U.S. - Idaho - Non-Carcinogenic Toxic Air Pollutants - Acceptable Ambient Concentrations  
U.S. - New Jersey - Right to Know Hazardous Substance List

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### Titanium dioxide (13463-67-7)

U.S. - Minnesota - Hazardous Substance List  
U.S. - New Jersey - Right to Know Hazardous Substance List  
U.S. - New York - Right to Know List of Hazardous Substances  
U.S. - Washington - Permissible Exposure Limits - TWAs  
U.S. - Washington - Permissible Exposure Limits - STELs

### Silicon dioxide (cristobalite) (14808-60-7)

U.S. - Idaho - Non-Carcinogenic Toxic Air Pollutants - Acceptable Ambient Concentrations  
U.S. - New Jersey - Right to Know Hazardous Substance List

## SECTION 16: Other information

Revision date : 12/20/2017  
Data sources : ACGIH (American Conference of Government Industrial Hygienists). European Chemicals Agency (ECHA) C&L Inventory database. Accessed at <http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>. Krister Forsberg and S.Z. Mansdorf, "Quick Selection Guide to Chemical Protective Clothing", Fifth Edition. National Fire Protection Association. Fire Protection Guide to Hazardous Materials; 10th edition. OSHA 29CFR 1910.1200 Hazard Communication Standard. TSCA Chemical Substance Inventory. Accessed at <http://www.epa.gov/oppt/existingchemicals/pubs/tscainventory/howto.html>.  
Other information : None.

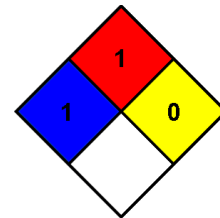
Full text of H-statements:

|      |                                   |
|------|-----------------------------------|
| H226 | Flammable liquid and vapour       |
| H336 | May cause drowsiness or dizziness |
| H350 | May cause cancer                  |
| H351 | Suspected of causing cancer       |

Abbreviations and acronyms:

|   |
|---|
| ATE: Acute Toxicity Estimate  |
| CAS (Chemical Abstracts Service) number   |
| CLP: Classification, Labelling, Packaging.  |
| EC50: Environmental Concentration associated with a response by 50% of the test population. |
| GHS: Globally Harmonized System (of Classification and Labeling of Chemicals).              |
| LD50: Lethal Dose for 50% of the test population  |
| OSHA: Occupational Safety & Health Administration   |
| PBT: Persistent, Bioaccumulative, Toxic   |
| TWA: Time Weighted Average  |
| TSCA: Toxic Substances Control Act  |

NFPA health hazard : 1 - Materials that, under emergency conditions, can cause significant irritation.  
NFPA fire hazard : 1 - Materials that must be preheated before ignition can occur.  
NFPA reactivity : 0 - Normally stable, even under fire exposure conditions, and not reactive with water.



Indication of changes:  
Product identifier.

**SDS Prepared by:** The Redstone Group, LLC  
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*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*