

# SAFETY DATA SHEET

Issue Date October 27,2015

Revision Date

Version 1

## 1. PRODUCT AND COMPANY IDENTIFICATION

### Product identifier

Product Name **SPARKLE 10:1**

### Other means of identification

Product Code 44500

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

Company Name TITAN INDUSTRIAL CHEMICALS, LLC.  
P.O. BOX 635  
GROVER, MO. 63040  
636-273-9033

### Emergency telephone number

Emergency Telephone **INFOTRAC 1-800-535-5053**

## 2. HAZARDS IDENTIFICATION

### Classification

#### OSHA Regulatory Status

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

|  |                |
|--|----------------|
| Acute toxicity - Oral  | Category 5     |
| Acute toxicity - Dermal                                      | Not classified |
| Skin corrosion/irritation                                    | Category 2     |
| Eye damage/irritation  | Category 2     |
| Carcinogenicity  | Category 2     |
| Specific target organ toxicity-single exposure (respiratory) | Category 3     |

### Label elements

#### Emergency Overview

## Warning

#### Hazard statements

May be harmful if swallowed  
Causes skin irritation.  
Causes serious eye irritation.  
Suspected of causing cancer  
May cause respiratory irritation



**Appearance** Clear Blue**Physical state** Liquid**Odor** Glycol ether**Precautionary Statements - Prevention**

Obtain special instructions before use.

Do not handle until all safety precautions have been read and understood.

Do not breathe dust/fume/gas/mist/vapors/spray

Wash face, hands and any exposed skin thoroughly after handling

Wear protective gloves/protective clothing/eye protection/face protection

Do not eat, drink or smoke when using this product

**Precautionary Statements - Response**

IF exposed or concerned: Get medical advice/attention

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

If eye irritation persists get medical advice/attention.

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower

Wash contaminated clothing before reuse. If irritation occurs get medical advice/attention.

IF INHALED: 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.

IF SWALLOWED: Rinse mouth. DO NOT induce vomiting. Get medical advice/attention if you feel unwell.

**Precautionary Statements - Storage**

Store locked up

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**Hazards not otherwise classified (HNOC)****Other Information**

Unknown Acute Toxicity

0.02933% of the mixture consists of ingredient(s) of unknown toxicity

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

| Chemical Name    | CAS No.  | Weight-% | Trade Secret |
|------------------|----------|----------|--------------|
| 2-Propanol       | 67-63-0  | 1-5      | *            |
| Monoethanolamine | 141-43-5 | 1-5      | *            |
| 2-butoxyethanol  | 111-76-2 | 1-5      | *            |

\*The exact percentage (concentration) of composition has been withheld as a trade secret. The exact identities of other ingredients has also been withheld as Trade Secret. However, they do not contribute to the identified hazards of the product and will be divulged to proper authorities in an emergency.

**4. FIRST AID MEASURES****First aid measures****General advice**

Get medical advice/attention if you feel unwell or irritation persists.

**Skin Contact**

Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes.

**Eye contact**

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. Do not rub affected area.

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|   |  |
|---|--|
| <b>Inhalation</b>                         | Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.  |
| <b>Ingestion</b>                          | Do NOT induce vomiting. Drink plenty of water. Never give anything by mouth to an unconscious person. Remove from exposure, lie down. Clean mouth with water and drink afterwards plenty of water. |
| <b>Self-protection of the first aider</b> | Use personal protective equipment as required. Avoid contact with skin, eyes or clothing.  |

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

|                 |  |
|-----------------|--|
| <b>Symptoms</b> | Any additional important symptoms and effects are described in Section 11: Toxicology Information. |
|-----------------|--|

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

|                           |  |
|---------------------------|--|
| <b>Note to physicians</b> | Use of gastric lavage or emesis may be contraindicated. Possible perforation of stomach or esophagus should be investigated. Do not give chemical antidotes. Asphyxia from glottal edema may occur. Marked decrease in blood pressure may occur with moist rales, frothy sputum, and high pulse pressure. Treat symptomatically. |
|---------------------------|--|

## 5. FIRE-FIGHTING MEASURES

**Suitable extinguishing media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Unsuitable extinguishing media** Caution: Use of water spray when fighting fire may be inefficient.

**Specific hazards arising from the chemical**

The product causes burns of eyes, skin and mucous membranes. Thermal decomposition can lead to release of irritating and toxic gases and vapors. In the event of fire and/or explosion do not breathe fumes.

**Explosion data**

**Sensitivity to Mechanical Impact** None.

**Sensitivity to Static Discharge** None.

**Protective equipment and precautions for firefighters**

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

## 6. ACCIDENTAL RELEASE MEASURES

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

|                             |   |
|-----------------------------|---|
| <b>Personal precautions</b> | Evacuate personnel to safe areas. Use personal protective equipment as required. Avoid contact with skin, eyes or clothing. Keep people away from and upwind of spill/leak. |
|-----------------------------|---|

**Environmental precautions**

|                                  |  |
|----------------------------------|--|
| <b>Environmental precautions</b> | Do not allow into any sewer, on the ground or into any body of water. Should not be released into the environment. Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. |
|----------------------------------|--|

**Methods and material for containment and cleaning up**

|                                |   |
|--------------------------------|---|
| <b>Methods for containment</b> | Prevent further leakage or spillage if safe to do so. |
|--------------------------------|---|

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**Methods for cleaning up** Dike far ahead of liquid spill for later disposal. Soak up with inert absorbent material. Take up mechanically, placing in appropriate containers for disposal. Clean contaminated surface thoroughly. Prevent product from entering drains. Dam up. After cleaning, flush away traces with water.

**7. HANDLING AND STORAGE**

**Precautions for safe handling**

**Advice on safe handling** Use personal protective equipment as required. Avoid contact with skin, eyes or clothing. Ensure adequate ventilation, especially in confined areas. In case of insufficient ventilation, wear suitable respiratory equipment. Use only with adequate ventilation and in closed systems.

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

**Storage Conditions** Keep container tightly closed in a dry and well-ventilated place. Keep out of the reach of children. Keep containers tightly closed in a dry, cool and well-ventilated place. Keep in properly labeled containers. Keep locked up.

**Incompatible materials** Incompatible with strong acids and bases. Incompatible with oxidizing agents.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Control parameters**

**Exposure Guidelines** This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

| Chemical Name                | ACGIH TLV  | OSHA PEL  | NIOSH IDLH  |
|------------------------------|--|---|---|
| 2-Propanol<br>67-63-0        | STEL: 400 ppm<br>TWA: 200 ppm                                  | TWA: 400 ppm<br>TWA: 980 mg/m <sup>3</sup><br>(vacated) TWA: 400 ppm<br>(vacated) TWA: 980 mg/m <sup>3</sup><br>(vacated) STEL: 500 ppm<br>(vacated) STEL: 1225 mg/m <sup>3</sup> | IDLH: 2000 ppm<br>TWA: 400 ppm<br>TWA: 980 mg/m <sup>3</sup><br>STEL: 500 ppm<br>STEL: 1225 mg/m <sup>3</sup> |
| Monoethanolamine<br>141-43-5 | STEL: 6 ppm<br>TWA: 3 ppm                                      | TWA: 3 ppm<br>TWA: 6 mg/m <sup>3</sup><br>(vacated) TWA: 3 ppm<br>(vacated) TWA: 8 mg/m <sup>3</sup><br>(vacated) STEL: 6 ppm<br>(vacated) STEL: 15 mg/m <sup>3</sup>             | IDLH: 30 ppm<br>TWA: 3 ppm<br>TWA: 8 mg/m <sup>3</sup><br>STEL: 6 ppm<br>STEL: 15 mg/m <sup>3</sup>           |
| 2-butoxyethanol<br>111-76-2  | TWA: 20 ppm  | TWA: 50 ppm<br>TWA: 240 mg/m <sup>3</sup><br>(vacated) TWA: 25 ppm<br>(vacated) TWA: 120 mg/m <sup>3</sup><br>(vacated) S*<br>S*  | IDLH: 700 ppm<br>TWA: 5 ppm<br>TWA: 24 mg/m <sup>3</sup>  |
| Diethanolamine<br>111-42-2   | TWA: 1 mg/m <sup>3</sup> inhalable fraction<br>and vapor<br>S* | (vacated) TWA: 3 ppm<br>(vacated) TWA: 15 mg/m <sup>3</sup>   | TWA: 3 ppm<br>TWA: 15 mg/m <sup>3</sup>   |

NIOSH IDLH *Immediately Dangerous to Life or Health*

**Other Information** Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992).

**Appropriate engineering controls**

**Engineering Controls** Showers, Eyewash stations & Ventilation systems.

**Individual protection measures, such as personal protective equipment**

|                                 |   |
|---------------------------------|---|
| <b>Eye/face protection</b>      | Wear safety glasses with side shields (or goggles). Wear a face shield if splashing hazard exists.  |
| <b>Skin and body protection</b> | Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact.  |
| <b>Respiratory protection</b>   | If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.   |
| <b>General Hygiene</b>          | Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection. Take off all contaminated clothing and wash it before reuse. Contaminated work clothing should not be allowed out of the workplace. When using do not eat, drink or smoke. Keep away from food, drink and animal feeding stuffs. Regular cleaning of equipment, work area and clothing is recommended. |

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

|                       |                          |
|-----------------------|--------------------------|
| <b>Physical state</b> | Liquid                   |
| <b>Appearance</b>     | Clear                    |
| <b>Color</b>          | Dark blue                |
| <b>Odor</b>           | Glycol ether             |
| <b>Odor threshold</b> | No Information available |

| <u>Property</u>               | <u>Values</u>            | <u>Remarks • Method</u> |
|-------------------------------|--------------------------|-------------------------|
| pH                            | 10.0-11.0                |                         |
| Specific Gravity              | .992                     |                         |
| Viscosity                     | <25 cP @ 25°C            |                         |
| Melting point/freezing point  | No Information available |                         |
| Flash point                   | Above 200°F              |                         |
| Boiling point / boiling range | No Information available |                         |
| Evaporation rate              | No Information available |                         |
| Flammability (solid, gas)     |                          |                         |
| Flammability Limits in Air    |                          |                         |
| Upper flammability limit:     | No Information available |                         |
| Lower flammability limit:     | No Information available |                         |
| Vapor pressure                | No Information available |                         |
| Vapor density                 | No Information available |                         |
| Water solubility              | Complete                 |                         |
| Partition coefficient         | No Information available |                         |
| Autoignition temperature      | No Information available |                         |
| Decomposition temperature     | No Information available |                         |

### Other Information

|                 |      |
|-----------------|------|
| Density Lbs/Gal | 8.26 |
| VOC Content (%) | 2.1  |

## 10. STABILITY AND REACTIVITY

### Reactivity

No data available

### Chemical stability

Stable under recommended storage conditions.

**Possibility of Hazardous Reactions**

None under normal processing.

**Conditions to avoid**

Exposure to air or moisture over prolonged periods.

**Incompatible materials**

Incompatible with strong acids and bases. Incompatible with oxidizing agents.

**Hazardous Decomposition Products**

Thermal decomposition can lead to release of irritating and toxic gases and vapors.

**11. TOXICOLOGICAL INFORMATION****Information on likely routes of exposure****Product Information**

|                     |  |
|---------------------|--|
| <b>Inhalation</b>   | No data available. Avoid breathing vapors or mists.                                      |
| <b>Eye contact</b>  | Avoid contact with eyes. Causes severe eye damage.                                       |
| <b>Skin Contact</b> | Avoid contact with skin. Causes severe irritation and or burns.                          |
| <b>Ingestion</b>    | May be harmful if swallowed. Do not taste or swallow. Not an expected route of exposure. |

| Chemical Name                | Oral LD50            | Dermal LD50                                     | Inhalation LC50                       |
|------------------------------|----------------------|---|---------------------------------------|
| 2-Propanol<br>67-63-0        | = 1870 mg/kg ( Rat ) | = 4059 mg/kg ( Rabbit )                         | = 72600 mg/m <sup>3</sup> ( Rat ) 4 h |
| Monoethanolamine<br>141-43-5 | = 1720 mg/kg ( Rat ) | = 1 mL/kg ( Rabbit ) = 1000 mg/kg<br>( Rabbit ) | -                                     |
| 2-butoxyethanol<br>111-76-2  | = 470 mg/kg ( Rat )  | = 99 mg/kg ( Rabbit )                           | = 450 ppm ( Rat ) 4 h                 |

**Information on toxicological effects****Symptoms** No Information available.**Delayed and immediate effects as well as chronic effects from short and long-term exposure****Sensitization** No Information available.**Germ cell mutagenicity** No Information available.**Carcinogenicity** The table below indicates whether each agency has listed any ingredient as a carcinogen.

| Chemical Name               | ACGIH | IARC    | NTP | OSHA |
|-----------------------------|-------|---------|-----|------|
| 2-Propanol<br>67-63-0       | -     | Group 3 | -   | X    |
| 2-butoxyethanol<br>111-76-2 | A3    | Group 3 | -   | -    |

**ACGIH (American Conference of Governmental Industrial Hygienists)**

A3 - Animal Carcinogen

**IARC (International Agency for Research on Cancer)**

Not classifiable as a human carcinogen

**OSHA (Occupational Safety and Health Administration of the US Department of Labor)**

X - Present

**Reproductive toxicity** No Information available.**STOT - single exposure** No Information available.**STOT - repeated exposure** No Information available.

|                             |  |
|-----------------------------|--|
| <b>Chronic toxicity</b>     | Chronic exposure to corrosive fumes/gases may cause erosion of the teeth followed by jaw necrosis. Bronchial irritation with chronic cough and frequent attacks of pneumonia are common. Gastrointestinal disturbances may also be seen. Avoid repeated exposure. Possible risk of irreversible effects. May cause adverse effects on the bone marrow and blood-forming system. May cause adverse liver effects. |
| <b>Target organ effects</b> | Blood, Central nervous system, EYES, hematopoietic system, Kidney, Liver, Respiratory system, Skin.  |
| <b>Aspiration hazard</b>    | No Information available.  |

**Numerical measures of toxicity - Product Information**

**Unknown Acute Toxicity** 0.01467% of the mixture consists of ingredient(s) of unknown toxicity

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity**

2.70933% of the mixture consists of component(s) of unknown hazards to the aquatic environment

| Chemical Name                | Algae/aquatic plants   | Fish  | Crustacea   |
|------------------------------|--|---|---|
| 2-Propanol<br>67-63-0        | 1000: 96 h <i>Desmodesmus subspicatus</i> mg/L EC50<br>1000: 72 h <i>Desmodesmus subspicatus</i> mg/L EC50             | 9640: 96 h <i>Pimephales promelas</i> mg/L LC50 flow-through<br>11130: 96 h <i>Pimephales promelas</i> mg/L LC50 static<br>1400000: 96 h <i>Lepomis macrochirus</i> µg/L LC50   | 13299: 48 h <i>Daphnia magna</i> mg/L EC50  |
| Monoethanolamine<br>141-43-5 | 15: 72 h <i>Desmodesmus subspicatus</i> mg/L EC50  | 227: 96 h <i>Pimephales promelas</i> mg/L LC50 flow-through<br>3684: 96 h <i>Brachydanio rerio</i> mg/L LC50 static<br>300 - 1000: 96 h <i>Lepomis macrochirus</i> mg/L LC50 static<br>114 - 196: 96 h <i>Oncorhynchus mykiss</i> mg/L LC50 static<br>200: 96 h <i>Oncorhynchus mykiss</i> mg/L LC50 flow-through | 65: 48 h <i>Daphnia magna</i> mg/L EC50   |
| 2-butoxyethanol<br>111-76-2  | -  | 1490: 96 h <i>Lepomis macrochirus</i> mg/L LC50 static<br>2950: 96 h <i>Lepomis macrochirus</i> mg/L LC50   | 1000: 48 h <i>Daphnia magna</i> mg/L EC50<br>1698 - 1940: 24 h <i>Daphnia magna</i> mg/L EC50 |
| Diethanolamine<br>111-42-2   | 7.8: 72 h <i>Desmodesmus subspicatus</i> mg/L EC50<br>2.1 - 2.3: 96 h <i>Pseudokirchneriella subcapitata</i> mg/L EC50 | 4460 - 4980: 96 h <i>Pimephales promelas</i> mg/L LC50 flow-through<br>1200 - 1580: 96 h <i>Pimephales promelas</i> mg/L LC50 static<br>600 - 1000: 96 h <i>Lepomis macrochirus</i> mg/L LC50 static  | 55: 48 h <i>Daphnia magna</i> mg/L EC50   |

**Persistence and degradability**

No Information available.

**Bioaccumulation**

No Information available.

| Chemical Name                | Partition coefficient |
|------------------------------|-----------------------|
| 2-Propanol<br>67-63-0        | 0.05                  |
| Monoethanolamine<br>141-43-5 | -1.91                 |
| 2-butoxyethanol<br>111-76-2  | 0.81                  |

**Other adverse effects**

No Information available

## 13. DISPOSAL CONSIDERATIONS

**Waste treatment methods**

**Disposal of wastes** Disposal should be in accordance with applicable regional, national and local laws and regulations.

**Contaminated packaging** Do not reuse container.

This product contains one or more substances that are listed with the State of California as a hazardous waste.

| Chemical Name         | California Hazardous Waste Status |
|-----------------------|-----------------------------------|
| 2-Propanol<br>67-63-0 | Toxic<br>Ignitable                |

**14. TRANSPORT INFORMATION**

The basic description below is specific to the container size. This information is provided for at a glance DOT information. Please refer to the container and/or shipping papers for the appropriate shipping description before tendering this material for shipment. For additional information, please contact the distributor listed in section 1 of this SDS.

**DOT** Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

**15. REGULATORY INFORMATION**

**International Inventories**

**TSCA** Complies  
**DSL/NDSL** Complies

**Legend:**

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory  
**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List

**US Federal Regulations**

**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

| Chemical Name        | SARA 313 - Threshold Values % |
|----------------------|-------------------------------|
| 2-Propanol - 67-63-0 | 1.0                           |

**SARA 311/312 Hazard Categories**

|  |     |
|--|-----|
| <b>Acute health hazard</b>               | Yes |
| <b>Chronic Health Hazard</b>             | Yes |
| <b>Fire hazard</b>                       | No  |
| <b>Sudden release of pressure hazard</b> | No  |
| <b>Reactive Hazard</b>                   | No  |

**CWA (Clean Water Act)**

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

| Chemical Name | CWA - Reportable Quantities | CWA - Toxic Pollutants | CWA - Priority Pollutants | CWA - Hazardous Substances |
|---------------|-----------------------------|------------------------|---------------------------|----------------------------|
| N/A           |                             |                        |                           |                            |

**CERCLA**

This material, as supplied, contains no substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

| Chemical Name | Hazardous Substances RQs | CERCLA/SARA RQ | Reportable Quantity (RQ) |
|---------------|--------------------------|----------------|--------------------------|
| N/A           |                          |                |                          |

**US State Regulations**



**California Proposition 65**

This product contains the following Proposition 65 chemicals

| Chemical Name             | California Proposition 65 |
|---------------------------|---------------------------|
| Diethanolamine - 111-42-2 | Carcinogen                |

**U.S. State Right-to-Know Regulations**

| Chemical Name                | New Jersey | Massachusetts | Pennsylvania |
|------------------------------|------------|---------------|--------------|
| 2-Propanol<br>67-63-0        | X          | X             | X            |
| Monoethanolamine<br>141-43-5 | X          | X             | X            |
| 2-butoxyethanol<br>111-76-2  | X          | X             | X            |
| Diethanolamine<br>111-42-2   | X          | X             | X            |
|                              |            |               |              |

**U.S. EPA Label Information**

EPA Pesticide Registration Number Not Applicable

**16. OTHER INFORMATION**

|             |                  |                |                    |   |
|-------------|------------------|----------------|--------------------|---|
| <b>NFPA</b> | Health hazards 2 | Flammability 0 | Instability 0      | <b>Physical and Chemical Properties</b> Yes |
| <b>HMIS</b> | Health hazards 2 | Flammability 0 | Physical hazards 0 | <b>Personal protection</b> X                |

Issue Date October 27, 2015

Revision Date

Revision Note

No Information available

**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release 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 or in any process, unless specified in the text.

End of Safety Data Sheet