

# SAFETY DATA SHEET

Issue Date August 26, 2015

Revision Date

Version 1

## 1. PRODUCT AND COMPANY IDENTIFICATION

### Product identifier

Product Name **QUICK CLEAN**

### Other means of identification

Product # 42500  
Synonyms None

### 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 1     |
| Serious eye damage/eye irritation | Category 1     |

### Label elements

#### Emergency Overview

# Danger

#### Hazard statements

May be harmful if swallowed  
Causes severe skin burns and eye damage  
Harmful to aquatic life with long lasting effects



Not DOT corrosive due to % threshold.

Appearance Clear

Physical state Liquid

Odor Butyl

**Precautionary Statements - Prevention**

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  
 Avoid release to the environment

**Precautionary Statements - Response**

Specific Treatment (See Section 4 on the SDS)  
 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
 Immediately call a POISON CENTER or doctor/physician  
 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower  
 Wash contaminated clothing before reuse  
 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing  
 Immediately call a POISON CENTER or doctor/physician  
 IF SWALLOWED: Rinse mouth. DO NOT induce vomiting

**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 1.64529% of the mixture consists of ingredient(s) of unknown toxicity

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical Name          | CAS No.   | Weight-% | Trade Secret |
|------------------------|-----------|----------|--------------|
| 2-butoxyethanol        | 111-76-2  | 1-5      | *            |
| Nonylphenol Ethoxylate | 9016-45-9 | 1-5      | *            |
|                        |           |          |              |
| Sodium Hydroxide       | 1310-73-2 | 1-5      | *            |
| Sodium Metasilicate    | 6834-92-0 | 1-5      | *            |

\*The exact percentage (concentration) of composition has been withheld as a trade secret.

### 4. FIRST AID MEASURES

**First aid measures**

|                       |  |
|-----------------------|--|
| <b>General advice</b> | Immediate medical attention is required.   |
| <b>Skin Contact</b>   | Immediate medical attention is required. Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes.   |
| <b>Eye contact</b>    | Immediate medical attention is required. 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.  |
| <b>Inhalation</b>     | Remove to fresh air. Call a physician or poison control center immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.   |
| <b>Ingestion</b>      | Immediate medical attention is required. 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. Call a physician or poison control center immediately. |

**Self-protection of the first aider** Use personal protective equipment as required. Avoid contact with skin, eyes or clothing.

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

**Symptoms** Any additional important symptoms and effects are described in Section 11: Toxicology Information.

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

**Note to physicians** Product is a corrosive material. Use of gastric lavage or emesis is 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**

**Personal precautions** 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**

**Environmental precautions** 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**

**Methods for containment** Prevent further leakage or spillage if safe to do so.

**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.

**Incompatible materials**

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

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Control parameters**

**Exposure Guidelines**

Exposure guidelines noted for ingredient(s).

| Chemical Name                 | ACGIH TLV                    | OSHA PEL   | NIOSH IDLH   |
|-------------------------------|------------------------------|--|--|
| 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>   |
| Sodium Hydroxide<br>1310-73-2 | Ceiling: 2 mg/m <sup>3</sup> | TWA: 2 mg/m <sup>3</sup><br>(vacated) Ceiling: 2 mg/m <sup>3</sup>   | IDLH: 10 mg/m <sup>3</sup><br>Ceiling: 2 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**

**Eye/face protection**

Wear safety glasses with side shields (or goggles). Wear a face shield if splashing hazard exists.

**Skin and body protection**

Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact.

**Respiratory protection**

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.

**General Hygiene**

Handle in accordance with good industrial hygiene and safety practice. When using do not eat, drink or smoke. Wash contaminated clothing before reuse. Keep away from food, drink and animal feeding stuffs. Contaminated work clothing should not be allowed out of the workplace. Regular cleaning of equipment, work area and clothing is recommended. Avoid contact with skin, eyes or clothing. Take off all contaminated clothing and wash it before reuse. Wear suitable gloves and eye/face protection.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

|                       |                          |
|-----------------------|--------------------------|
| <b>Physical state</b> | Liquid                   |
| <b>Appearance</b>     | Clear                    |
| <b>Color</b>          | Clear                    |
| <b>Odor</b>           | Butyl                    |
| <b>Odor threshold</b> | No Information available |

| <u>Property</u>               | <u>Values</u>            | <u>Remarks • Method</u> |
|-------------------------------|--------------------------|-------------------------|
| pH                            | 13.0 - 13.5              |                         |
| Specific Gravity              | 1.02                     |                         |
| Viscosity                     | Water Thin               |                         |
| Melting point/freezing point  | No Information available |                         |
| Flash point                   | No Information available |                         |
| Boiling point / boiling range | 212 ° F (at 760 mm Hg)   |                         |
| 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 | 8.50 |
| VOC Content (%) | 4.85 |

## 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** Harmful by inhalation and in contact with eyes and skin.

**Inhalation** Avoid breathing vapors or mists. Irritation or burning to mucous membranes. Breathing of vapors may cause dizziness and shortness of breath.

**Eye contact** Avoid contact with eyes. Causes severe eye damage.

**Skin Contact** Avoid contact with skin. Corrosive. Contact with skin may cause severe irritation and burns.

**Ingestion** May be harmful if swallowed. Do not taste or swallow.

| Chemical Name                    | Oral LD50           | Dermal LD50             | Inhalation LC50       |
|----------------------------------|---------------------|-------------------------|-----------------------|
| 2-butoxyethanol<br>111-76-2      | = 470 mg/kg ( Rat ) | = 99 mg/kg ( Rabbit )   | = 450 ppm ( Rat ) 4 h |
| Sodium Hydroxide<br>1310-73-2    | -                   | = 1350 mg/kg ( Rabbit ) | -                     |
| Sodium Metasilicate<br>6834-92-0 | = 600 mg/kg ( Rat ) | -                       | -                     |

**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-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*

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

**Target organ effects** Blood, Central nervous system, EYES, hematopoietic system, Kidney, Liver, Respiratory system, Skin.

**Aspiration hazard** No Information available.

**Numerical measures of toxicity - Product Information**

**Unknown Acute Toxicity** 1.64529% of the mixture consists of ingredient(s) of unknown toxicity

**12. ECOLOGICAL INFORMATION**

**Ecotoxicity**

6.61529% of the mixture consists of component(s) of unknown hazards to the aquatic environment

| Chemical Name                       | Algae/aquatic plants | Fish   | Crustacea  |
|-------------------------------------|----------------------|--|--|
| 2-butoxyethanol<br>111-76-2         | -                    | 1490: 96 h Lepomis macrochirus mg/L LC50 static 2950: 96 h Lepomis macrochirus mg/L LC50 | 1000: 48 h Daphnia magna mg/L EC50 1698 - 1940: 24 h Daphnia magna mg/L EC50 |
| Nonylphenol Ethoxylate<br>9016-45-9 | -                    | 5: 96 h Fish mg/L LC50   | -  |
| Sodium Hydroxide<br>1310-73-2       | -                    | 45.4: 96 h Oncorhynchus mykiss mg/L LC50 static  | -  |
| Sodium Metasilicate<br>6834-92-0    | -                    | 210: 96 h Brachydanio rerio mg/L LC50 semi-static 210: 96 h Brachydanio rerio mg/L LC50  | 216: 96 h Daphnia magna mg/L EC50  |

**Persistence and degradability**

No Information available.

**Bioaccumulation**

No Information available.

| Chemical Name               | Partition coefficient |
|-----------------------------|-----------------------|
| 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 |
|-------------------------------|-----------------------------------|
| Sodium Hydroxide<br>1310-73-2 | Toxic<br>Corrosive                |

**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-butoxyethanol - 111-76-2 | 1.0                           |

**SARA 311/312 Hazard Categories**

Acute health hazard Yes  
 Chronic Health Hazard Yes  
 Fire hazard No  
 Sudden release of pressure hazard No  
 Reactive Hazard 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 |
|-------------------------------|-----------------------------|------------------------|---------------------------|----------------------------|
| Sodium Hydroxide<br>1310-73-2 | 1000 lb                     | -                      | -                         | X                          |

**CERCLA**

This material, as supplied, contains one or more 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)                  |
|-------------------------------|--------------------------|----------------|---|
| Sodium Hydroxide<br>1310-73-2 | 1000 lb                  | -              | RQ 1000 lb final RQ<br>RQ 454 kg final RQ |

**US State Regulations**

**California Proposition 65**

This product does not contain any Proposition 65 chemicals

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

| Chemical Name                 | New Jersey | Massachusetts | Pennsylvania |
|-------------------------------|------------|---------------|--------------|
| 2-butoxyethanol<br>111-76-2   | X          | X             | X            |
| Sodium Hydroxide<br>1310-73-2 | X          | X             | -            |

**U.S. EPA Label Information**

EPA Pesticide Registration Number Not Applicable



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**16. OTHER INFORMATION**

|                    |                  |                |                    |   |
|--------------------|------------------|----------------|--------------------|---|
| <b><u>NFPA</u></b> | Health hazards 3 | Flammability 0 | Instability 0      | <b>Physical and Chemical Properties</b> Yes |
| <b><u>HMIS</u></b> | Health hazards 3 | Flammability 0 | Physical hazards 0 | <b>Personal protection</b> D                |

**Issue Date** August 26, 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**