

Titan

Safety Data Sheet

Revision Date: 1/4/2021

SECTION 1: Identification of the Substance/Mixture and of the Company/Undertaking

1.1 Product Identifier

Trade Name Titan
Product Form Mixture
Product Code 10-10109

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

Use of Product Alkaline Presoak

1.3 Details of the Supplier of the safety data sheet

Manufacture for:
WESTECH SUPPLY COMPANY
1706 N NASHVILLE
LUBBOCK, TX 79415
(806) 771-9999

1.4 Emergency telephone number

Emergency Number (806) 771-9999

SECTION 2: Hazards Identification

2.1 Classification of the substance

Classification

| <u>Hazard Code</u> | <u>Hazard Class</u> | <u>Hazard Category</u> |
|--------------------|--------------------------------------------------------|------------------------|
| H302 | Acute toxicity, oral | 4 |
| H314 | Skin corrosion/irritation | 1B |
| H370 | Specific target organ toxicity, single exposure | 1 |
| H373 | Specific target organ toxicity, repeated exposure | 2 |
| H402 | Hazardous to the aquatic environment, acute toxicity | 3 |
| H412 | Hazardous to the aquatic environment, chronic toxicity | 3 |

HANDLE IN ACCORDANCE WITH GOOD INDUSTRIAL HYGIENE AND SAFEETY PRACTICES

2.2 Label Elements

GHS-US Labeling

Hazard Pictograms (GHS-US)



Signal Word (GHS-US): **Danger**

Hazard Statements (GHS-US):

H302: Harmful if swallowed
H314: Causes severe skin burns and eye damage
H370: Causes damage to organs
H373: May cause damage to organs through prolonged or repeated exposure
H402: Harmful to aquatic life
H412: Harmful to aquatic life with long lasting effects

Precautionary Statements (GHS-US):

P260: Do not breathe dust/fumes/gas/mist/vapors/spray
P264: Wash thoroughly after handling
P270: Do not eat, drink or smoke when using this product
P273: Avoid release into the environment
P280: Wear protective gloves/protective clothing/eye protection/face protection

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P310: Immediately call a POISON CENTER or doctor/physician

P321: Specific treatment (see section 4)

P363: Wash contaminated clothing before reuse

P301+P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting

P301+P312: IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell

P303+P361+P353: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower

P304+P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing

P307+P311: IF exposed: Call a POISON CENTER or doctor/physician

P405: Store locked up

P501: Dispose of contents/container in accordance with local, state and federal authorities.

2.3 Other Hazards

No additional information available

2.4 Unknown acute toxicity (GHS-US)

No Data Available

SECTION 3: Composition/Information on Ingredients

3.1 Substance

Not applicable

3.2 Mixture

| Ingredient Name | CAS # | Composition |
|-------------------------------------------------|------------|-------------|
| Water | 7732-18-5 | >75% |
| Sodium Hydroxide | 1310-73-2 | 10-20% |
| Tetrasodium ethylenediamine tetraacetate | 64-02-8 | 1-5% |
| Alkyl polyglycoside C8-10 | 68515-73-1 | 1-5% |
| Tetrasodium (1-hydroxyethylidene)bisphosphonate | 3794-83-0 | 1-5% |
| Cocoamidopropyl hydroxysultaine | 68139-30-0 | 1-5% |

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 after inhalation | IF INHALED. Remove victim to fresh air and keep at rest in a position comfortable for breathing. Use artificial respiration and oxygen if needed. If irritation persists, seek medical attention. |
| First-Aid after skin contact | IF ON SKIN. IF ON SKIN (or hair). Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Immediately call a POISON CENTER or doctor/physician. Immediately rinse with plenty of water (for at least 15 minutes). |
| First-Aid after eye contact | IF IN EYES. Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing. Rinse immediately and thoroughly, pulling the eyelids well away from the eye (15 minutes minimum). If irritation persists, seek medical attention. |
| First-Aid after ingestion | IF SWALLOWED. Call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth. Do NOT induce vomiting. Dilute stomach contents by drinking water. If vomiting occurs spontaneously, keep head below hips to prevent breathing vomit into lungs. Call physician immediately. |

4.2 Most important symptoms and effects, both acute and delayed

| | |
|--------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Symptoms/injuries | Harmful if swallowed. Causes severe skin burns and eye damage. Causes damage to organs. May cause damage to organs through prolonged or repeated exposure. |
| Symptoms/injuries after inhalation | May cause headache, nausea and irritation of respiratory tract. |
| Symptoms/injuries after skin contact | Causes severe skin burns and eye damage. |

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| | |
|-------------------------------------|--------------------------------------------------------------------|
| Symptoms/injuries after eye contact | Causes severe skin burns and eye damage. |
| Symptoms/injuries after ingestion | Harmful if swallowed. |
| Chronic symptoms | May cause damage to organs through prolonged or repeated exposure. |

4.3 Indication of immediate medical attention and special treatment needed

No additional information available

SECTION 5: Firefighting Measures

5.1 Extinguishing media

Suitable Extinguishing Media Alcohol resistant foam. Carbon dioxide. Dry powder. Water spray.

5.2 Special hazards arising from the substance or mixture

| | |
|------------------|------------------------------------------------------------------------------------------|
| Fire Hazard | The product is not flammable. |
| Explosion Hazard | The product is not explosive. |
| Reactivity | Concentrated solution contact with soft metals(e.g. aluminum) will produce hydrogen gas. |

5.3 Special hazards arising from the substance or mixture

| | |
|--------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Firefighting instructions | Do not dispose of fire-fighting water in the environment. Exercise caution when fighting any chemical fire. Use water spray or fog for cooling exposed containers. |
| 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 Ventilate area. Avoid breathing vapors, mist or gas. Spill should be handled by trained clean-up crews. For personal protection see Section 8.

6.1.1 For non-emergency personnel

| | |
|----------------------|-----------------------------------------------------------------------------------|
| Protective equipment | Wear Protective equipment as described in Section 8. |
| Emergency procedures | Contain the spill. Do not let product enter drains. Remove unnecessary personnel. |

6.1.2 For emergency responders

| | |
|----------------------|------------------------------------------------------|
| Protective equipment | Wear Protective equipment as described in Section 8. |
|----------------------|------------------------------------------------------|

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 | Prevent entry to sewers and public waters. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. |
| Methods for cleaning up | Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Place in a suitable container for disposal in accordance with the waste regulations (see Section 13). |

6.4 reference to other sections

No additional information available.

SECTION 7: Handling and Storage

7.1 Precautions for safe handling

Precautions for safe handling Do not handle until all safety precautions have been read and understood. Wear proper safety equipment including chemically resistant gloves and safety glasses or goggles. Use with adequate ventilation. Wash thoroughly after handling. Do not get in eyes or on skin. Do not breathe mist or vapor. Do not swallow. Store between 50 F & 100 F. Keep separate from incompatible materials.

7.2 Conditions for safe storage, including and incompatibilities

Storage conditions Store locked up. Store in approved containers only. Keep container in a cool, well ventilated place away from heat sources and incompatible materials (See Section 10.5). Keep container tightly closed.

7.3 Specific end uses

No additional information

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SECTION 8: Exposure Controls/Personal Protection

8.1 control parameters

No OSHA and ACGIH PEL's or TLV's for the listed ingredients of this product unless listed stated below:

| Sodium hydroxide, CAS # 1310-73-2 | | | |
|-----------------------------------|-----------------|--------------------|------------------|
| OSHA PEL (TWA) | OSHA PEL (STEL) | OSHA PEL (Ceiling) | ACGIH-TLV |
| 2 mg/m3 | Not Established | Not Established | 2 mg/m3(Ceiling) |

8.2 Exposure Controls

| | |
|-------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Personal protective equipment | Protective safety glasses or goggles. Chemically resistant gloves. Protective clothing. Possibly a face shield and or respiratory protection of the dependent type. |
| Hand protection | Chemical resistant gloves. |
| Eye protection | Use chemical resistant safety glasses or goggles. A face shield should be worn when the possibility exists for eye or face contact due to spraying liquid or airborne particles. |
| Skin and body protection | Wear long sleeves. Wear suitable protective clothing. Possibly a face shield. |
| Respiratory protection | Where excessive vapor, mist, or dust may result, use approved respiratory protection equipment. |

SECTION 9: Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

| | |
|----------------------------------|-------------------|
| Appearance | Tinted Liquid |
| Color | Yellow/Green |
| Odor | None |
| Odor threshold | No data available |
| pH | 13.5 |
| Relative Evaporation rate (butyl | No data Available |
| Melting point | No data Available |
| Freezing point | No data Available |
| Boiling point | No data Available |
| Flash point | No Data Available |
| Self ignition point | 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 | 1.171 g/ml |
| Solubility | Water soluble |
| Log Pow | No data Available |
| Log Kow | No data Available |
| Viscosity: Kinematic | No data Available |
| Viscosity: dynamic | No data Available |
| Explosive properties | No data Available |
| Oxidizing properties | No data Available |
| Explosive Limits | No data Available |

9.2 Exposure Controls

No additional information available

SECTION 10: Stability and reactivity

10.1 Reactivity

Contact with reactive metals (e.g. aluminum) may result in the generation of hydrogen gas.

10.2 Chemical Stability

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Stable under recommended handling and storage conditions (see section 7).

10.3 Possibility of hazardous reactions

Corrosive in contact with metals. Contact with metallic substances may release flammable hydrogen gas. Contact with strong acids can create excess heat and cause spattering.

10.4 Conditions to avoid

None known

10.5 Incompatible Materials

Avoid contact with: zinc, bases, copper, nickel, aluminum, chlorine, halogens, oxidizers, alkalines, strong acids, light metals, copper alloys, amphoteric metals, hydrogen peroxide, reactive chemicals, halogenated materials, and prolonged contact with alkali sensitive metals or alloys

10.6 Hazardous decomposition products

Thermal decomposition can result in: phosphines, sodium oxides, carbon oxides, sulfur oxides, carbon dioxide, nitrogen oxides, carbon monoxide, and oxides of phosphorus

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Oral LD50: 1817 mg/kg (rat) Calculated

Dermal LD50: > 2000 mg/kg (rabbit) Calculated

Inhalation LD50: > 5 mg/l (Dust/mist (Rat)) Calculated

Skin Corrosion/irritation Causes severe skin burns and eye damage

Serious eye damage/irritation Causes severe skin burns and eye damage

Respiratory or skin sensitization Not Classified

Germ cell mutagenicity Not Classified

Carcinogenicity Not Classified

Reproductive toxicity Not Classified

Specific organ toxicity single exposure Single exposure can result in damage to: respiratory system, eyes, and mucous membranes

Specific organ toxicity repeated exposure Not Classified

Aspiration hazard Not Classified

Symptoms/injuries after inhalation See Section 4

Symptoms/injuries after skin contact See Section 4

Symptoms/injuries after eye contact See Section 4

Symptoms/injuries after ingestion See Section 4

Chronic symptoms Not Classified

SECTION 12: Ecological information

12.1 Toxicity

No Data

12.2 Persistence and degradability

No Data

12.3 Bioaccumulative potential

No Data

12.4 Mobility in soil

No Data

12.5 Other adverse effect

No Data

SECTION 13: Disposal Considerations

13.1 Waste Treatment methods

Waste treatment methods Do not discharge to public wastewater systems without permit of pollution control authorities.
No discharge to surface waters is allowed without NPDES permit.

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Waste disposal recommendations Dispose in a safe manner in accordance with local/national regulations. Do not allow the product to be released to the environment.

SECTION 14: Transportation information

14.1 UN number, proper shipping name, class and packaging groups.

Domestic Ground Non-Bulk Shipments

UN1824, SODIUM HYDROXIDE SOLUTION, 8, II

14.2 Additional information

Not available

SECTION 15: Regulatory Information

15.1 Federal regulations

TSCA Inventory: The components of this product are listed.

SARA 311/312 Hazard category (40 CFR 370.2): Acute and chronic health hazard.

SARA 313 Toxic Release Reporting (40CFR Part 372): No listed substance known over 1.0% or over 0.1% that are carcinogenic.

SARA 302 EHS Emergency Planning (40CFR Part 355): No listed substance known over 1.0% or over 0.1% that are carcinogenic.

SARA 304 EHS Emergency Planning (40CFR Part 355): No listed substance known over 1.0% or over 0.1% that are carcinogenic.

CERCLA Section 102-103 HS Released Reporting (40 CFR part 302-102a): Sodium Hydroxide, CAS# 1310-73-2, RQ 1,000 lbs.

15.2.1 International regulations

No Data

15.2.2 National regulations

No Data

15.3 State Regulations

California Prop. 65

Approximate quantities by weight

- Nitrotriacetate, trisodium salt/ cancer/ CAS# 5064-31-3/ Trace

New Jersey Right to Know

Approximate quantities by weight

- SODIUM HYDROXIDE/ CAS# 1310-73-2/ 10-20% by wt.

SECTION 16: Other Information

| | |
|---------------------|------|
| Other information | None |
| NFPA | |
| NFPA Health Hazard | 3 |
| NFPA Fire Hazard | 0 |
| NFPA Reactivity | 1 |
| HMIS | |
| Health | 3 |
| Flammability | 0 |
| Physical | 1 |
| Personal Protection | X |

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