

SAFETY DATA SHEET
SIR GEORGE DEGREASER

1. Product and Company Identification

| | | |
|---------------------------|----------------------|----------------------|
| Product Code: | SIR GEORGE | |
| Product Name: | SIR GEORGE DEGREASER | |
| Company Name: | T&G CHEMICAL | Phone Number: |
| | 3328 FRANKLIN AVENUE | (254)753-1578 |
| | WACO, TX 76710 | |
| Web site address: | www.tgchemical.com | |
| Emergency Contact: | CHEM-TEL | (800)255-3924 |

2. Hazards Identification

Skin Corrosion/Irritation, Category 2

Serious Eye Damage/Eye Irritation, Category 2



| | |
|--|---|
| GHS Signal Word: | Warning |
| GHS Hazard Phrases: | Causes skin irritation. Causes serious eye irritation. |
| GHS Precautionary Phrases: | Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wash hands thoroughly after handling. |
| GHS Response Phrases: | IF ON SKIN: Wash with plenty of soap and water. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF exposed or concerned: Get medical attention/advice. Specific treatment see ... on this label. If skin irritation occurs, get medical advice/attention. If eye irritation persists, get medical advice/attention. Take off contaminated clothing and wash before re-use. |
| GHS Storage and Disposal Phrases: | Store locked up. Dispose of contents/container to ... |
| OSHA Regulatory Status: | This material is classified as hazardous under OSHA regulations. |
| Potential Health Effects (Acute and Chronic): | The toxicological properties of this material have not been fully investigated. Use appropriate procedures to prevent opportunities for direct contact with the skin or eyes and to prevent inhalation. May cause liver and kidney damage. Sophisticated modeling has clearly proven that 2-butoxyethanol does not build up in the body under any kinds of normal use. |
| Inhalation: | No hazard expected in normal industrial use. |
| Skin Contact: | Harmful if absorbed through the skin. A skin notation is not recommended by ACGIH, based on estimates from physiologically based pharmacokinetic models which indicate that, even in worst-case dermal-exposure scenarios, 2-butoxyethanol is not absorbed in amounts sufficient to cause red blood cell hemolysis in humans. |
| Eye Contact: | Causes eye irritation. Causes redness and pain. Causes eye burns. |
| Ingestion: | Harmful if swallowed. May cause irritation of the digestive tract. May cause gastrointestinal irritation with nausea, vomiting and diarrhea. The toxicological properties |

SAFETY DATA SHEET

SIR GEORGE DEGREASER

Page: 2

Printed: 05/27/2021

Revision: 05/27/2021

Supersedes Revision: 07/04/2015

of this substance have not been fully investigated.

3. Composition/Information on Ingredients

| CAS # | Hazardous Components (Chemical Name) | Concentration | |
|------------|--|---------------|--|
| 111-76-2 | Ethanol, 2-Butoxy- | 1.0 -9.0 % | |
| 6834-92-0 | Silicic acid (H ₂ SiO ₃), Disodium salt | 1.0 -2.5 % | |
| 68025-51-4 | Phosphate ester | 0.5 -3.0 % | |
| 7758-29-4 | Sodium phosphate, Tribasic | 0.05 -2.5 % | |
| 18662-53-8 | Nitilotriacetic acid, Trisodium salt monohydrate | 0.05 -0.75 % | |
| 1310-73-2 | Sodium hydroxide | <=0.99 % | |

4. First Aid Measures

Emergency and First Aid

Procedures:

In Case of Inhalation: Remove from exposure and move to fresh air immediately. If breathed in, move person into fresh air. Get medical aid. Do NOT use mouth-to-mouth resuscitation. If breathing has ceased apply artificial respiration using oxygen and a suitable mechanical device such as a bag and a mask.

In Case of Skin Contact: Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Take off contaminated clothing and shoes immediately. Consult a physician.

In Case of Eye Contact: Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.

In Case of Ingestion: Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

Signs and Symptoms Of Exposure: burning sensation, Cough, Wheezing, Laryngitis, Shortness of breath.

Note to Physician: Treat symptomatically and supportively. Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

5. Fire Fighting Measures

Flash Pt: NE

Explosive Limits: LEL: No data. UEL: No data.

Autoignition Pt: NE

Suitable Extinguishing Media: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Use agent most appropriate to extinguish fire.

Fire Fighting Instructions: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Material will not burn. Will burn if involved in a fire. Combustible liquid and vapor. Wear self contained breathing apparatus for fire fighting if necessary.

Flammable Properties and Hazards: No data available.

Hazardous Combustion Products: Carbon monoxide, Carbon dioxide.

Products:

SAFETY DATA SHEET

SIR GEORGE DEGREASER

Page: 3

Printed: 05/27/2021

Revision: 05/27/2021

Supersedes Revision: 07/04/2015

6. Accidental Release Measures

Steps To Be Taken In Case Material Is Released Or Spilled: Use proper personal protective equipment as indicated in Section 8.
Spills/Leaks:

7. Handling and Storage

Precautions To Be Taken in Handling: Use spark-proof tools and explosion proof equipment. Do not get in eyes, on skin, or on clothing. Keep away from heat, sparks and flame. Do not ingest or inhale. Use only in a chemical fume hood.

Precautions To Be Taken in Storing: Keep away from sources of ignition. Store in a cool, dry place. Keep container tightly closed in a dry and well-ventilated place.

8. Exposure Controls/Personal Protection

| CAS # | Partial Chemical Name | OSHA TWA | ACGIH TWA | Other Limits |
|------------|--|--------------------------|---------------------------|--------------|
| 111-76-2 | Ethanol, 2-Butoxy- | PEL: 50 ppm | TLV: 20 ppm | No data. |
| 6834-92-0 | Silicic acid (H ₂ SiO ₃), Disodium salt | No data. | No data. | No data. |
| 68025-51-4 | Phosphate ester | No data. | No data. | No data. |
| 7758-29-4 | Sodium phosphate, Tribasic | No data. | No data. | No data. |
| 18662-53-8 | Nitriilotriacetic acid, Trisodium salt monohydrate | No data. | No data. | No data. |
| 1310-73-2 | Sodium hydroxide | PEL: 2 mg/m ³ | CEIL: 2 mg/m ³ | No data. |

Respiratory Equipment (Specify Type): Respirator protection is not normally required.

Eye Protection: Eye protection is not normally required.

Protective Gloves: Protective garments not normally required.

Other Protective Clothing: Protective garments not normally required.

Engineering Controls (Ventilation etc.): Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

Work/Hygienic/Maintenance Practices: Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

9. Physical and Chemical Properties

Physical States: [] Gas [X] Liquid [] Solid

Appearance and Odor: Blue, butyl-like.

pH: 12.8 at 77.0 F (25.0 C)

Melting Point: NE

Boiling Point: > 212.00 F (100.0 C)

Flash Pt: NE

Evaporation Rate: NE

Flammability (solid, gas): No data available.

Explosive Limits: LEL: No data. UEL: No data.

Vapor Pressure (vs. Air or mm Hg): NE

Vapor Density (vs. Air = 1): NE

SAFETY DATA SHEET

SIR GEORGE DEGREASER

Page: 4

Printed: 05/27/2021

Revision: 05/27/2021

Supersedes Revision: 07/04/2015

Specific Gravity (Water = 1): 1.07 at 77.0 F (25.0 C)
Solubility in Water: Complete
Octanol/Water Partition Coefficient: No data.
Percent Volatile: 84.0 % by volume.
Autoignition Pt: NE
Decomposition Temperature: No data.
Viscosity: No data.

10. Stability and Reactivity

Stability: Unstable [] Stable [X]
Conditions To Avoid - Instability: Incompatible materials, ignition sources, Strong oxidants.
Incompatibility - Materials To Avoid: Strong oxidizing agents, Aluminum, Lead. Tin/tin oxides, Zinc.
Hazardous Decomposition or Byproducts: Carbon monoxide, formed under fire conditions. Sodium oxides, silicon oxides, Strong oxidants, irritating and toxic fumes and gases.
Possibility of Hazardous Reactions: Will occur [] Will not occur [X]
Conditions To Avoid - Hazardous Reactions: Product will not undergo polymerization.

11. Toxicological Information

Toxicological Information: Epidemiology: No data available.
Teratogenicity: No data available.
Reproductive Effects: Mutagenicity: Neurotoxicity: Other Studies: No information found.
No information available.

Irritation or Corrosion: Skin - rabbit - Severe skin irritation - -24 h.

Carcinogenicity/Other Information: CAS# 7732-18-5: Not listed by ACGIH, IARC, NTP, or CA Prop 65. CAS# 111-76-2: ACGIH: A3 - Confirmed animal carcinogen with unknown relevance to humans. California: Not listed. NTP: Not listed. IARC: Not listed. Carcinogenicity. IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC. ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH. NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP. OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA. CAS# 7785-70-8: Not listed by ACGIH, IARC, NTP, or CA Prop 65.

12. Ecological Information

General Ecological Information: Environmental: TERRESTRIAL FATE: Based on a recommended classification scheme, an estimated Koc value of 67,, determined from an experimental log Kow and a recommended regression-derived equation, indicates that ethylene glycol mono-n-butyl ether is expected to have high mobility in soil. An estimated BCF value of 2.5 was calculated for ethylene glycol mono-n-butyl ether, using an experimental log Kow of 0.83 and a recommended regression-derived equation. According to a recommended classification scheme, this BCF value suggests that bioconcentration in aquatic organisms is low.
Physical: No information found.
Other: An estimated BCF value of 2.5,, from an experimental log Kow, suggests that ethylene glycol mono-n-butyl ether bioconcentration in aquatic organisms will be low, according to a recommended classification scheme.

Persistence and Degradability: No data available.

Bioaccumulative Potential: No data available.

Mobility in Soil: No data available.

13. Disposal Considerations

Waste Disposal Method: Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.
RCRA P-Series: None listed.
RCRA U-Series: None listed. Product:
Observe all federal, state, and local environmental regulations. Contact a licensed professional waste disposal service to dispose of this material.

Contaminated packaging:
Dispose of as unused product.

14. Transport Information

LAND TRANSPORT (US DOT):
DOT Proper Shipping Name: Not regulated as a hazardous material.
DOT Hazard Class:
UN/NA Number:

LAND TRANSPORT (Canadian TDG):
TDG Shipping Name: No information available. Not Regulated.
UN Number:
Hazard Class: **TDG Classification:**

15. Regulatory Information

EPA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists

| CAS # | Hazardous Components (Chemical Name) | S. 302 (EHS) | S. 304 RQ | S. 313 (TRI) |
|------------|--|--------------|-----------|---------------|
| 111-76-2 | Ethanol, 2-Butoxy- | No | No | Yes-Cat. N230 |
| 6834-92-0 | Silicic acid (H2SiO3), Disodium salt | No | No | No |
| 68025-51-4 | Phosphate ester | No | No | No |
| 7758-29-4 | Sodium phosphate, Tribasic | No | Yes NA | No |
| 18662-53-8 | Nitilotriacetic acid, Trisodium salt monohydrate | No | No | No |

SAFETY DATA SHEET

SIR GEORGE DEGREASER

| | | | | |
|-----------|------------------|----|--------|----|
| 1310-73-2 | Sodium hydroxide | No | Yes NA | No |
|-----------|------------------|----|--------|----|

This material meets the EPA 'Hazard Categories' defined for SARA Title III Sections 311/312 as indicated:

| | |
|--|---|
| <p><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Explosive</p> <p><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Flammable (gases, aerosols, liquid, or solid)</p> <p><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Oxidizer (liquid, solid or gas)</p> <p><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Self-reactive</p> <p><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Pyrophoric (liquid or solid)</p> <p><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Pyrophoric gas</p> <p><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Self-heating</p> <p><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Organic peroxide</p> <p><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Corrosive to metal</p> <p><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Gas under pressure (compressed gas)</p> <p><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No In contact with water emits flammable gas</p> <p><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Combustible Dust</p> <p><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (Physical) Hazard Not Otherwise Classified (HNOC)</p> | <p><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Acute toxicity (any route of exposure)</p> <p><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Skin Corrosion or Irritation</p> <p><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Serious eye damage or eye irritation</p> <p><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Respiratory or Skin Sensitization</p> <p><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Germ cell mutagenicity</p> <p><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Carcinogenicity</p> <p><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Reproductive toxicity</p> <p><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Specific target organ toxicity (single or repeated exposure)</p> <p><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Aspiration Hazard</p> <p><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Simple Asphyxiant</p> <p><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (Health) Hazard Not Otherwise Classified (HNOC)</p> |
|--|---|

16. Other Information

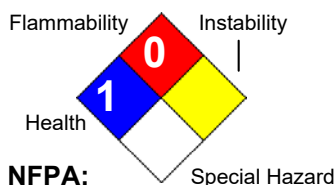
Revision Date: 05/27/2021

Previous revision: 07/04/2015

Hazard Rating System:

| | |
|---------------------|---|
| HEALTH | 1 |
| FLAMMABILITY | 0 |
| REACTIVITY | 0 |
| PPE | |

HMIS:



Additional Information About No data available.

This Product:

Company Policy or

Disclaimer: