

# SAFETY DATA SHEET

## 1. IDENTIFICATION

Product Name: Steel Brand Degreaser  
Product Number: 225600  
Company Information: SFRDG  
1000 Abernathy Rd NE, Suite 1700  
Atlanta, GA 30328 United States  
Company Phone: (844) 837-4848  
Emergency Telephone US: (866) 836-8855  
Emergency Telephone Outside US: (952) 852-4646  
Version: 01  
Recommended Use: Energized Electrical Equipment Cleaner  
Recommended Restrictions: DO NOT USE IN A MANNER INCONSISTENT WITH THE LABEL

## 2. HAZARD IDENTIFICATION

Physical Hazards	Gases under pressure	Liquefied gas
Health Hazards	Skin corrosion/irritation	Category 2
	Serious eye damage/eye irritation	Category 2A
	Germ Cell Mutagenicity	Category 2
	Carcinogenicity	Category 1
	Specific target organ toxicity, Single exposure	Category 3 narcotic effects

### Label Elements



Signal Word: Danger  
Hazard Statement: Contains gas under pressure; may explode if heated. Causes skin irritation. Causes serious eye irritation. May cause drowsiness or dizziness. Suspected of causing genetic defects. May cause cancer.

Precautionary Statement:  
Precautions: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Avoid breathing mist or vapor. Wash thoroughly after handling. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eye protection/face protection.

Response: If on skin: Wash with plenty of water. If inhaled: Remove person to fresh air and keep comfortable for breathing. 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 advice/attention. Call a poison center/doctor if you feel unwell. If skin irritation occurs: Get medical advice/attention. If eye irritation persists: Get medical advice/attention. Take off contaminated clothing and wash before reuse.

Storage: Store in a well-ventilated place. Keep container tightly closed. Store locked up. Protect from sunlight.

Disposal: Dispose of contents/container in accordance with local/regional/national/international regulations.

Supplemental Information: None  
Hazard(s) not otherwise classified (HNOC): None Known

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENT(S)	CAS NUMBER	WEIGHT%
Trichloroethylene	79-01-6	90 – 100
Carbon Dioxide	124-38-9	2.5 – 10

EXACT PERCENTAGES ARE BEING WITHHELD AS TRADE SECRET INFORMATION

### 4. FIRST-AID MEASURES

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.
Skin Contact:	Take off immediately all contaminated clothing. Remove contaminated clothing. Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Wash contaminated clothing before reuse. Wash clothing separately before reuse.
Eye Contact:	Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.
Ingestion:	In the unlikely event of swallowing contact a physician or poison control center. Rinse mouth.
Most Important Symptoms/Effects:	Causes serious eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Vapors have a narcotic effect and may cause headache, fatigue, dizziness and nausea. Skin irritation. May cause redness and pain.
NOTE TO PHYSICIAN:	Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance.

### 5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media:	Use fire-extinguishing media appropriate for surrounding materials.
Unsuitable Extinguishing Media:	Do not use water jet as an extinguisher, as this will spread the fire.
Specific Hazards Arising from the chemical:	Contents under pressure. Pressurized container may explode when exposed to heat or flame. During fire, gases hazardous to health may be formed.
Special Protective Equipment And Precautions for Firefighters:	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
Fire-Fighting Equipment/Instructions:	In case of fire: Stop leak if safe to do so. Do not move cargo or vehicle if cargo has been exposed to heat. Move containers from fire area if you can do so without risk. Containers should be cooled with water to prevent vapor pressure build up. For massive fire in cargo area, use unmanned hose holder or monitor nozzles, if possible. If not, withdraw and let fire burn out.
Specific Methods:	Cool containers exposed to flames with water until well after the fire is out.

### 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions:	Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Keep out of low areas. Wear appropriate protective equipment and clothing during clean-up. Emergency personnel need self-contained breathing equipment. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.
Environmental Precautions:	Avoid release to the environment. Inform appropriate managerial or supervisory personnel of all environmental releases. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.

**Clean-Up Methods:** Refer to attached safety data sheets and/or instructions for use. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil, etc.) away from spilled material. Stop leak if you can do so without risk. Move the cylinder to a safe and open area if the leak is irreparable. Isolate area until gas has dispersed. Prevent entry into waterways, sewer, basements or confined areas. Following product recovery, flush area with water. For waste disposal, see section 13 of the SDS.

## 7. HANDLING AND STORAGE

**Handling:** Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Pressurized container: Do not pierce or burn, even after use. Do not use if spray button is missing or defective. Do not spray on a naked flame or any other incandescent material. Do not smoke while using or until sprayed surface is thoroughly dry. Do not cut, weld, solder, drill, grind, or expose containers to heat, flame, sparks, or other sources of ignition. Ground and bond containers when transferring material. Do not re-use empty containers. Do not get in eyes, on skin, on clothing. Avoid breathing mist or vapor. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. Use only in well-ventilated areas. Should be handled in closed systems, if possible. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Avoid release to the environment. Observe good industrial hygiene practices.

**Storage:** Level 1 Aerosol. Contents under pressure. Do not expose to heat or store at temperatures above 120 °F/49 °C as can may burst. Do not puncture, incinerate or crush. Do not handle or store near an open flame, heat or other sources of ignition. Store in a well-ventilated place. Store away from incompatible materials (see Section 10 of the SDS).

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Occupational Exposure Limits

#### US OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Component	Type	Value
Carbon Dioxide (CAS 124-38-9)	PEL	9000 mg/m <sup>3</sup> 5000 ppm

#### US ACGIH Threshold Limit Values

Component	Type	Value
Trichloroethylene (CAS 79-01-6)	Ceiling TWA	200 ppm 100 ppm

#### US NIOSH: Pocket Guide to Chemical Hazards Components

Component	Type	Value
Carbon Dioxide (CAS 124-38-9)	TWA	24 mg/m <sup>3</sup> 5 ppm
Trichloroethylene (CAS 79-01-6)	TWA	1900 mg/m <sup>3</sup> 800 ppm

**Engineering Controls:** Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Eye wash facilities and emergency shower must be available when handling this product.

### Personal Protective Equipment:

**Eyes/Face:** Chemical respirator with organic vapor cartridge and full facepiece.  
**Hands:** Wear appropriate chemical resistant gloves.

Steel Brand Degreaser  
225600

Respiratory:	Chemical respirator with organic vapor cartridge and full facepiece.
Feet:	Wear appropriate chemical resistant clothing.
Body:	Wear appropriate chemical resistant clothing. Use of an impervious apron is recommended.
General Hygiene Considerations:	When using, do not smoke. Always observe good personal hygiene measures such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	
Physical State	Compressed gas.
Form	Aerosol.
Color	Clear
Odor	Characteristic
Odor Threshold	Not Available
pH	Not an aqueous solution.
Melting point/Freezing point	Not Available
Initial boiling point and boiling range	Not Available
Flash Point	None
Evaporation Rate	Not Available
Flammability (solid, gas)	Not Available
Upper/Lower flammability or explosive limits	
Flammability Limit – Lower (%)	Not Available
Flammability Limit – Upper (%)	Not Available
Explosive Limit – Lower (%)	Not Available
Explosive Limit – Upper (%)	Not Available
Vapor Pressure	70 – 90 psig @70°F
Vapor Density	Not Available
Relative Density	Not Available
Solubility (Water)	Not Available
Partition Coefficient	Not Available
Auto-Ignition Temperature	Not Available
Decomposition Temperature	Not Available
Viscosity	Not Available
Specific Gravity	1.46

## 10. STABILITY AND REACTIVITY

Chemical Stability	Material is stable under normal conditions.
Reactivity	The product is stable and non-reactive under normal conditions of use, storage and transport.
Possibility of Hazardous Reactions	Hazardous polymerization does not occur.
Conditions to Avoid	Avoid heat, sparks, open flames and other ignition sources. Contact with incompatible materials.
Incompatible Materials	Strong oxidizing agents.
Hazardous Decomposition Products	Hydrogen chloride. Other hazardous decomposition products may be formed.

## 11. TOXICOLOGICAL INFORMATION

Information of Routes of Exposure:	No LC50/LD50 Test Data on Mixture Available
Acute Effects/Symptoms:	
Eyes:	Causes serious eye irritation.
Skin:	Causes skin irritation.
Ingestion:	Expected to be a low ingestion hazard.
Inhalation:	May cause drowsiness and dizziness. Headache. Nausea, vomiting. Prolonged inhalation may be harmful.
Carcinogens:	May cause cancer.
Germ Cell Mutagenicity:	Suspected of causing genetic defects.

Steel Brand Degreaser  
225600

Respiratory Sensitizer: This product is not expected to cause respiratory sensitization.  
 Skin Sensitizer: This product is not expected to cause skin sensitization.  
 Reproductive Toxicity: Suspected of damaging fertility.  
 Specific Target Organs (Single/Repeated): May cause drowsiness or dizziness.  
 Aspiration Hazard: Not an aspiration hazard.

## 12. ECOLOGICAL INFORMATION

Ecotoxicity/Chemical Fate: Not Test Data on Mixture Available

## 13. DISPOSAL CONSIDERATION

Disposal Method: Dispose of contents in accordance with all federal, state, and local applicable laws and regulations. Consult state and local authorities for restrictions on disposal of chemical waste. Manage chemical wastes through an approved waste treatment facility. Pressurized container: Do not pierce or burn, even after use. Do not incinerate. When contents are depleted continue to depress button until all gas is expelled. Aerosol cylinder is not refillable. Give to a disposal service equipped to safely dispose of pressurized containers. Please recycle packaging whenever possible.

## 14. TRANSPORTATION INFORMATION

DOT/IMDG/TDG UN1950, Aerosols, 2.2, LTD. QTY.

## 15. REGULATORY INFORMATION

US Federal Regulations This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200. All components are on the US EPA TSCA Inventory List.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)  
 Not Regulated.

CERCLA Hazardous Substance List (40 CFR 302.4)  
 Trichloroethylene (CAS 79-01-6)

SARA 304 Emergency Release Notification  
 Not Regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)  
 Not Listed.

Superfund Amendments and Reauthorized Act of 1986 (SARA)  
 Hazard Categories Immediate Hazard – Yes  
 Delayed Hazard – Yes  
 Fire Hazard – No  
 Pressure Hazard – Yes  
 Reactivity Hazard – No

SARA 302 Extremely Hazardous Substance  
 Not listed

SARA 311/312 Hazardous Chemical  
 No

SARA 313 (TRI Reporting)

Chemical Name	CAS Number	% by weight
Trichloroethylene	79-01-6	90 – 100

Other Federal Regulations  
 Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List  
 Trichloroethylene (CAS 79-01-6)  
 Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)  
 Not Regulated  
 Safe Drinking Water Act (SDWA)  
 Not Regulated.

Steel Brand Degreaser  
 225600

#### US State Regulations

##### US Massachusetts RTK – Substance List

Carbon Dioxide (CAS 124-38-9)

Trichloroethylene (CAS 79-01-6)

##### US New Jersey Worker and Community Right-To-Know Act

Carbon Dioxide (CAS 124-38-9)

Trichloroethylene (CAS 79-01-6)

##### US Pennsylvania Worker and Community Right-To-Know Law

Carbon Dioxide (CAS 124-38-9)

Trichloroethylene (CAS 79-01-6)

##### US Rhode Island RTK

Trichloroethylene (CAS 79-01-6)

##### US California Proposition 65

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): WARNING:

This product contains a chemical(s) known to the state of California to cause cancer and birth defects or other reproductive harm.

## 16. OTHER INFORMATION

Issue Date: 03-30-2016

Version: 01

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.