SAFETY DATA SHEET

1. IDENTIFICATION

Product Name:	Steel Brand Spray Mist Adhesive
Product Number:	225604
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:	Adhesive
Recommended Restrictions:	DO NOT USE IN A MANNER INCONSISTENT WITH THE LABEL

2. HAZARD IDENTIFICATION

Physical Hazards	Flammable aerosols	Category 1
Health Hazards	Skin corrosion/irritation	Category 2
	Serious eye damage/eye irritation	Category 2A
	Reproductive Toxicity	Category 2
	Specific target organ toxicity, Single exposure	Category 3 narcotic effects
	Specific target organ toxicity, Repeated exposure	Category 2
	Aspiration Hazard	Category 1

Label Elements

Signal Word:	Danger
Hazard Statement:	Extremely flammable aerosol. May be fatal if swallowed and enters airways. Causes skin irritation. Causes serious eye irritation. May cause drowsiness or dizziness. Suspected of damaging fertility. May cause damage to organs through prolonged or repeated exposure.
Precautionary Statement:	
Precautions:	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from heat/sparks/open flames/hot surfaces. No smoking. Do not spray on an open flame or other ignition source. Pressurized container: Do not pierce or burn, even after use. Do not breathe gas. Wash thoroughly after handling. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eye protection/face protection.
Response:	If swallowed: Immediately call a poison center/doctor. 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. Do NOT induce vomiting. 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. Do not expose to temperatures exceeding 50℃/122℉.

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%
Acetone	67-64-1	10 – 20
Butane	106-97-8	10 – 20
Dimethyl Ether	115-10-6	10 – 20
n-Hexane	110-54-3	10 – 20
Cyclohexane	110-82-7	2.5 – 10
Isobutane	75-28-5	2.5 – 10
Propane	74-98-6	2.5 – 10
Other components below reportable levels		10 - 20

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: Remove contaminated clothing. Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Wash contaminated clothing 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: Call a physician or poison control center immediately. Rinse mouth. Do not induce vomiting. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs.

Most Important Symptoms/Effects: Aspiration may cause pulmonary edema and pneumonitis. May cause drowsiness and dizziness. Headache. Nausea, vomiting. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May cause redness and pain. Prolonged exposure may cause chronic effects.

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: Alcohol resistant foam. Powder. Carbon Dioxide (CO_2).

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: Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.

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 3 Aerosol. Store locked up. Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50°C/122 °F. Do not puncture, incinerate or crush. Do not handle or store near an open flame, heat or other sources of ignition. This material can accumulate static charge which may cause spark and become an ignition source. 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 Specifically Regulated Substances (29 CFR 1910.1001-1050)

Component	Type	Value
Dimethyl Ether (CAS 115-10-6)	STEL TWA	2 ppm 0.75 ppm

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

Component	Type	Value
Acetone (CAS 67-64-1)	PEL	2400 mg/m^3 1000 ppm
Cyclohexane (CAS 110-82-7)	PEL	1050 mg/m^3 300 ppm

n-Hexane (CAS 110-54-3)	PEL	1800 mg/m^3 500 ppm
Propane (CAS 74-98-6)	PEL	1800 mg/m^3 1000 ppm

US ACGIH Threshold Limit Values

Component	Type	Value
Acetone (CAS 67-64-1)	STEL TWA	750 ppm 500 ppm
Butane (CAS 106-97-8)	STEL	1000 ppm
Cyclohexane (CAS 110-82-7)	TWA	100 ppm
Dimethyl Ether (CAS 115-10-6)	Ceiling	0.3 ppm
Isobutane (CAS 75-28-5)	STEL	1000 ppm
n-Hexane (CAS 110-54-3)	TWA	50 ppm

US NIOSH: Pocket Guide to Chemical Hazards Components

Component	Type	Value
Acetone (CAS 67-64-1)	TWA	590 mg/m^3 250 ppm
Butane (CAS 106-97-8)	TWA	1900 mg/m^3 800 ppm
Cyclohexane (CAS 110-82-7)	TWA	1050 mg/m^3 300 ppm
Dimethyl Ether (CAS 115-10-6)	Ceiling TWA	0.1 ppm 0.016 ppm
Isobutane (CAS 75-28-5)	TWA	1900 mg/m^3 800 ppm
n-Hexane (CAS 110-54-3)	TWA	180 mg/m^3 50 ppm
Propane (CAS 74-98-6)	TWA	1800 mg/m^3 1000 ppm

US Workplace Environmental Exposure Level (WEEL) Guides

Component	Type	Value
Dimethyl Ether (CAS 115-10-6)	TWA	1880 mg/m^3 1000 ppm

Exposure guidelines

US – California OELs: Skin designation	
n-Hexane (CAS 110-54-3)	Can be absorbed through the skin
US ACGIH Threshold Limit Values: Skin designation	
n-Hexane (CAS 110-54-3)	Can be absorbed through the skin

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: Wear safety glasses with side shields (or goggles).
- Hands: Wear appropriate chemical resistant gloves.
- Respiratory: If permissible levels are exceeded use NIOSH mechanical filter / organic vapor cartridge or an air-supplied respirator.
- 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	Liquefied gas.
Form	Aerosol.
Color	White
Odor	Solvent
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	-156°F (-104.4°C) Propellant estimated
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	45 - 65 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	0.796

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. Nitrates. Fluorine. Chlorine.
Hazardous Decomposition Products	No hazardous decomposition products are known.

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 mild skin irritation.
Ingestion:	Droplets of the product aspirated into the lungs through ingestion or vomiting may cause a serious chemical pneumonia. Smallest quantities reaching the lungs through swallowing or subsequent vomiting may result in lung edema or pneumonia.
Inhalation:	May cause damage to organs through prolonged or repeated exposure by inhalation. May cause drowsiness and dizziness. Headache. Nausea, vomiting.
Carcinogens:	This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

Germ Cell Mutagenicity: No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.
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. May cause damage to organs through prolonged or repeated exposure (respiratory system, central nervous system, eyes, skin, peripheral nervous system).
Aspiration Hazard: May be fatal if swallowed and enters airways.

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, flammable, 2.1, 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)
Acetone (CAS 67-64-1)
Cyclohexane (CAS 110-82-7)
n-Hexane (CAS 110-54-3)
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 – Yes
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
n-Hexane	110-54-3	10 – 20
Cyclohexane	110-82-7	2.5 – 10

Other Federal Regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

n-Hexane (CAS 110-54-3)

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Butane (CAS 106-97-8)
Dimethyl Ether (CAS 115-10-6)
Isobutane (CAS 75-28-5)
Propane (CAS 74-98-6)

Safe Drinking Water Act (SDWA)

Not Regulated.

US State Regulations

US Massachusetts RTK – Substance List

Acetone (CAS 67-64-1)
Butane (CAS 106-97-8)
Cyclohexane (CAS 110-82-7)
Dimethyl Ether (CAS 115-10-6)
Isobutane (CAS 75-28-5)
n-Hexane (CAS 110-54-3)
Propane (CAS 74-98-6)

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

Acetone (CAS 67-64-1)
Butane (CAS 106-97-8)
Cyclohexane (CAS 110-82-7)
Dimethyl Ether (CAS 115-10-6)
Isobutane (CAS 75-28-5)
n-Hexane (CAS 110-54-3)
Propane (CAS 74-98-6)

US Pennsylvania Worker and Community Right-To-Know Law

Acetone (CAS 67-64-1)
Butane (CAS 106-97-8)
Cyclohexane (CAS 110-82-7)
Dimethyl Ether (CAS 115-10-6)
Isobutane (CAS 75-28-5)
n-Hexane (CAS 110-54-3)
Propane (CAS 74-98-6)

US Rhode Island RTK

Acetone (CAS 67-64-1)
Butane (CAS 106-97-8)
Cyclohexane (CAS 110-82-7)
Dimethyl Ether (CAS 115-10-6)
Isobutane (CAS 75-28-5)
n-Hexane (CAS 110-54-3)
Propane (CAS 74-98-6)

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 birth defects or other reproductive harm.

16. OTHER INFORMATION

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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.