

**MATERIAL SAFETY DATA SHEET****SECTION I**

Sic: 2851

MFG: STAINLESS STEEL COATINGS, INC.

835 Sterling Road  
So. Lancaster, MA 01561

EMERGENCY PHONE (24 HOURS)

CHEMTREC: 1 (800) 424-9300

CHEMICAL NAME AND SYNONYMS: Paint

TRADE NAME: STEEL IT, Polyurethane Aerosol

CHEMICAL FAMILY: Mixture

FORMULA: 1002 Aerosol

**SECTION II - HAZARDOUS INGREDIENTS**

CAS#	NAME	%	OSHA / PEL	ACGIH (TLV)	VAPOR PRESSURES
74-98-6	Propane	14-16%	1000 ppm	1000 ppm	108 PSIG @ 70°F
106-97-8	Butane	10-12%	800 ppm	800 ppm	17 PSIG @ 70°F
100-41-4 *	Ethyl Benzene	10%	100 ppm	100 ppm	0.4 PSIG @ 100°F
127-18-4	Perchloroethylene	18-22%	25 ppm	50 ppm	13 mmHg @ 20°C
67-64-1	Acetone	1-4%	750 ppm	750 ppm	185 mmHg @ 60°F
8052-41-3	Mineral Spirits	5%	100 ppm	100 ppm	2 mmHg @ 20°C
1330-20-7 *	Xylene	30%	100 ppm	100 ppm	6 mmHg @ 20°C

\* Components marked by an asterisk are present above the De Minimus cutoff level and subject to the reporting requirements in Section 313 of Title III of the Superfund Reauthorization Act of 1986 and 40CFR part 372.

Aerosol contents under pressure of 55 (v5) psi.

**HMIS HAZARD RATING**

FIRE - 4

TOXICITY - 2

REACTIVITY - 0

**SECTION III - PHYSICAL DATA**

AEROSOLS, CONTENTS UNDER PRESSURE

SPECIFIC GRAVITY (H<sub>2</sub>O=1)

Greater than 1 (heavier)

VAPOR PRESSURE - Not greater than 70 psig @ 70°F

% VOLATILE BY VOLUME

78%(approximately.)

VAPOR DENSITY (AIR=1) - Greater than 1 (heavier)

EVAPORATION RATE

Not determined

SOLUBILITY IN WATER - 2.00/100g (Not greater than) at 25°C

APPEARANCE AND ODOR - Typical aerosol spray paint, irritating at high concentrations

BOILING RANGE: -43F to +412°F

**SECTION IV - FIRE AND EXPLOSION HAZARD DATA**

FLASH POINT APPROXIMATELY -138°F (Propellant)

FLAMMABLE LIMITS

OSHA Flammability classification - Flammable Liquid Class 1-A

LeI

UeI

2.0

10.0

DOT Proper shipping name: Consumer Commodity - ORM-D

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MSDS 1002 Aerosol  
Rev. Jan. 15, 2003

**EXTINGUISHING MEDIA** - Foam, Dry Chemical, or CO<sub>2</sub>

**SPECIAL FIREFIGHTING PROCEDURES** - Self contained breathing apparatus. Cool uninvolved cans to prevent rupture. Fight fire from a safe distance/protected location. Avoid frothing/steam explosion.

**UNUSUAL FIRE AND EXPLOSION HAZARDS** - Avoid excessive heat. Isolate from electrical equipment, sparks and open flames. Application to hot surfaces requires special precautions. Thermal decomposition may yield carbon monoxide and/or carbon dioxide, nitrogen oxides and hydrogen chloride and may cause health hazards. Symptoms may not be immediately apparent. Obtain medical attention. Heavier than air vapors may flow along surfaces to distant ignition sources and flashback. Notify authorities immediately if liquid enters sewer/public waters.

### SECTION V - HEALTH HAZARD DATA

**THRESHOLD LIMIT VALUES** - See Section II

**OSHA PERMISSIBLE EXPOSURE LIMIT** - (Mixture - See Section II)

**PRIMARY ROUTE OF ENTRY:** Inhalation and Skin Contact

**EFFECTS OF OVER EXPOSURE:** Eyes - causes irritation, seek medical attention. Skin - slight transient irritation. Inhalation - breathing difficulties, dizziness or lightheadedness with high vapor concentration. Chronic effects - reports have associated repeated and prolonged overexposure to solvents with permanent damage to the brain and nervous system. This product contains a chemical known to the state of California to cause cancer.

**MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE** - Respiratory, brain and central nervous system conditions, dermatitis and other skin afflictions.

**EMERGENCY AND FIRST AID PROCEDURES** - Eyes - Flush with water for 20-30 minutes, seek medical attention. Skin - Wash promptly with soap and large quantities of water. Remove paint wet clothing immediately. If irritation persists, seek medical attention. Ingestion - Do not induce vomiting. Seek medical attention. Inhalation - Remove to fresh air. Keep warm and quiet. If breathing stops, administer artificial respiration. Seek medical attention. Prompt action is essential.

### SECTION VI - REACTIVITY DATA

**STABILITY** - Stable

**CONDITIONS TO AVOID** - Excessive Heat

**INCOMPARABILITY** (materials to avoid) - Strong oxidizers, strong acids or bases.

**HAZARDOUS DECOMPOSITION PRODUCTS** - Carbon monoxide and/or carbon dioxide, nitrogen oxides, hydrogen chloride

**HAZARDOUS POLYMERIZATION** - Will Not Occur.

### SECTION VII - SPILL OR LEAK PROCEDURES

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE** - This extremely flammable liquid should be stored in a cool, clean, well ventilated, fire resistant storage room or in a solvent storage cabinet that meets OSHA requirements. Do not store in direct sunlight. Store large quantities only in buildings in compliance with OSHA 1910.105. Areas for use and storage of this material should have good ventilation and all sources of open flames and high heat should be excluded. Prohibit smoking in these areas. Ensure sufficient ventilation to prevent accumulation of heavy vapors in low-lying areas or sumps. Avoid prolonged contact with skin. Do not puncture, drag or slide containers. Do not store above 120F.

**OTHER PRECAUTIONS** - Any deformed cans should not be moved, opened or punctured....call (978) 365-9828 for advice or assistance. Do not take internally. Keep away from children. Empty container may contain extremely flammable residues and explode if heated.

**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED** - For massive spills, evacuate the area. For all spills eliminate ignition sources. Notify fire and environmental authorities per regulatory requirements. Blanket with fire fighting foam. Dike and contain spills without delay with dry inert materials (sand, earth, etc.). Eliminate all sources of moisture, and do not use water in clean up operations. Recover as much of the free liquid as possible for disposal and use an absorbent to pick up the residue. Avoid discharging paint into a sewer or surface waters. Do not flush spills with water. Use non-sparking tools only. Spilled materials may be slippery on floors.

**WASTE DISPOSAL METHOD** - Dispose of the absorbed material or the free waste liquid in dry containers according to local, state and federal regulations. Contaminated product/soil/water may be U.S. Resource Conservation (RCRA) or OSHA hazardous waste. DO NOT INCINERATE. Do not flush into sewers. Containers may explode if heated. It is recommended that solid waste be disposed of only at approved hazardous disposal sites using approved contractors.

\* Train employees on all special handling procedures in this and other sections before working with this product.

### SECTION VIII - SPECIAL PROTECTION INFORMATION

**RESPIRATORY PROTECTION** - In outdoor or open areas with unrestricted ventilation, use approved high efficiency mechanical respirator to remove particles of overspray during application. In areas of restricted ventilation, use high efficiency chemical/mechanical filters designed to remove a combination of particulates and vapor. In confined areas, use NIOSH approved airline type respirators or hoods. NIOSH approved organic vapor cartridges must be used in respirator.

**VENTILATION** - Work place areas require exhaust ventilation in accordance with OSHA regulation 29CFR Part 1910 (107D) to maintain vapor levels below the TLV (especially during spraying, misting, or heating). Use an approved high efficiency respirator of the full-face canister-type (for limited time use and for low concentrations or for non-routine or emergency conditions). Exhaust levels should be maintained at least 100 fpm.

**PROTECTIVE GLOVES** - Neoprene gloves and aprons should be used to prevent prolonged or repeated skin contact. Use protective creams when skin contact is likely.

**EYE PROTECTION** - Safety goggles with unperforated side shields or face shield should be used where splashing of solvent into eyes is possible. Do not wear contact lenses. An eyewash fountain should also be available in areas where splashing is probable. When large amounts of material are used, a safety shower should be available.

**OTHER PROTECTIVE EQUIPMENT** - Ventilation equipment should be explosion-proof, and any tool used in the area should be of the non-sparking type. Wear chemical resistant boots. Remove and wash or discard contaminated clothing. All protective equipment must be cleaned after use.

**HYGIENE** - Use good personal hygiene practices. Wash hands before eating, drinking, smoking, or using toilet facilities. Promptly remove soiled clothing and clean before reuse. Shower after work with soap and copious quantities of water.

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