

MATERIAL SAFETY DATA SHEET

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SECTION I

SIC #2851

Revised 5/02

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, BRUSH GRADE

CHEMICAL FAMILY: Mixture

MFG. ID#: 1002 BRUSH GRADE

SECTION II - HAZARDOUS INGREDIENTS

CAS#	NAME	%	OSHA PEL PPM(mg/cm)	TLV	VAPOR PRESSURES
8052-41-3	Mineral Spirits	47.9%	100 (2000)	100 ppm	2 mmHg @ 20C
1330-20-7 *	Xylene	2.2%	100 (435)	100 ppm	6 mmHg @ 20C
67-56-1 *	Methanol	1.0%	200 (260)	200 ppm	96 mmHg @ 20C

* Material subject to reporting requirements of Section 313 SARA Title III and 40CFR 372

HMIS HAZARD RATING

FIRE-2

TOXICITY-2

REACTIVITY-0

SECTION III - PHYSICAL DATA

BOILING RANGE: 275-412F

WEIGHT PER GALLON

9.4 lbs @ 77F

EVAPORATION RATE: Slower than ether

PERCENT VOLATILE

by volume - 72%

VAPOR DENSITY: Heavier than air

SOLUBILITY IN WATER: Less than 2gm / 100gm

SECTION IV - FIRE AND EXPLOSION DATA

DOT CLASSIFICATION: Paint, UN1263, Flammable Liquid, Class 3

FLASH POINT: 98F

OSHA CLASSIFICATION: Flammable Liquid Class 1C OSHA Class 29CFR 1910.106a

LEL: 0.9% by volume

EXTINGUISHING MEDIA: Foam, dry chemical, carbon dioxide, and water spray or fog. Combustion in a limited amount of air can generate toxic carbon monoxide. Use self-contained breathing apparatus for respiratory protection in fighting fires in enclosures. A water stream may scatter flames. In a fire situation or when it is heated it becomes a highly flammable material, with a moderate explosion hazard.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Keep containers closed tightly. Isolate from heat, electrical equipment, sparks and open flame. Closed containers may explode when exposed to extreme heat. Application to hot surfaces requires special precautions. During emergency conditions, over exposure to decomposition products (gaseous oxides of carbon and nitrogen) may cause a health hazard. Symptoms may not be immediately apparent. Obtain Medical Attention. Heavier than air vapors may flow along surfaces to distant ignition sources and flash back. Notify authorities immediately if liquid enters sewer/public waters.

SPECIAL FIRE FIGHTING PROCEDURES: Water spray may be ineffective. If water is used, fog nozzles are preferable. Water may be used to cool closed containers to prevent pressure build up and possible autoignition or explosion when exposed to extreme heat. Fight fire from a safe distance/protected location. Avoid frothing/steam explosion.

SECTION V - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE: 100 ppm

EFFECTS OF OVEREXPOSURE: Xylene and Mineral Spirits, like all petroleum distillates, are central nervous system depressants. Symptoms of overexposure include dizziness, headache, depression and/or intoxication with euphoria leading to unconsciousness. Nose and throat irritation may occur from inhalation. Prolonged or repeated skin contact will cause defatting and dermatitis. Eye contact with the liquid causes burning, irritation and conjunctivitis. Ingestion may cause poisoning. Methanol may cause blindness if swallowed. A fatal dosage for humans is one ounce or less if no aspiration into the lungs occurs; if aspiration does occur, smaller quantities may be fatal.

CHRONIC EFFECTS: Reports have associated repeated and prolonged over-exposure to solvents with permanent damage to the brain and central nervous. Other chronic effects are unknown. Primary route of entry is inhalation. This product is not considered to be a carcinogen, and component materials are not listed in carcinogen lists of Federal OSHA, NTP, OR IARC.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Respiratory conditions, Dermatitis and other skin afflictions.

EMERGENCY AND FIRST AID PROCEDURES:

- | | |
|---------------------|---|
| <u>Eye Contact</u> | - Wash eyes immediately with large amounts of water for at least 20-30 minutes. Consult physician for medical attention. |
| <u>Skin Contact</u> | - Wash contact area promptly with soap and water. Promptly remove solvent wet clothing. Consult physician if irritation persists. |
| <u>Inhalation</u> | - Remove to fresh air. Give artificial respiration if required. Get medical assistance. Prompt action is essential. |
| <u>Ingestion</u> | - Do Not induce vomiting without medical advice. Contact a physician immediately! |

SECTION VI - REACTIVITY DATA

STABILITY: - Stable. This material is considered to be stable under its normal handling and storage conditions.

INCOMPATIBILITY (materials to avoid): As a combustible hydrocarbon, it can react violently with strong oxidizing agents such as chlorine, oxygen, or such strong oxidizing acids as nitric or sulfuric.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide and/or carbon dioxide

CONDITIONS TO AVOID: Do not store in direct sunlight. Avoid excessive heat. Store away from strong oxidizing agents, strong acids or bases.

HAZARDOUS POLYMERIZATION: Will Not Occur.

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: For massive spills, evacuate the area. Equip responders with proper protection. For all spills, eliminate ignition sources. Notify fire and environmental authorities per regulatory requirement. Blanket with fire fighting foam. Dike and contain spills without delay with dry, inert materials (sand, earth, etc.). Recover as much of the free liquid as possible for disposal, and use an absorbent to pick up the residue. Avoid discharging directly into a sewer system or surface waters. Provide adequate ventilation. Use non-sparking tools for scrape up.

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 mechanical filter respirator to remove particles of overspray during application. In areas of restricted ventilation use approved chemical/mechanical filters designed to remove a combination of particulates and vapor. In confined areas use approved air line type respirators or hoods. Use 100 lfm face velocity for exhaust hoods. NIOSH approved organic vapor cartridges must be used in respirator.

VENTILATION: Work place areas require exhaust ventilation to maintain vapor levels below the TLV. In emergencies, respiratory protection can be provided for low concentrations or for a short period by an approved organic cartridge; higher levels or concentrations will require a full faceplate canister type, an air supplied type, or a self-contained type respirator.

PROTECTIVE GLOVES: Buna N gloves and aprons should be used to prevent prolonged or repeated skin contact. Use protective creams when skin contact is likely.

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EYE PROTECTION: Safety Goggles or face shields should be used where splashing of solvent into the eyes is possible. Do not wear contact lenses. An eye wash fountain should also be available where splashing is probable.

OTHER PROTECTIVE EQUIPMENT: Ventilation equipment should be explosion-proof, and any tools 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.

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: This combustible liquid should be stored in a cool, clean, well-ventilated, fire resistant storage room or in a solvent storage cabinet that meets OSHA requirements. Store in closed metal drums or cans with identifying labels that indicate the flammability of the material. Store large quantities only in building in compliance with OSHA 1910.106. Electrically interconnect and ground containers for transfers of liquid to avoid fires from static sparks. Areas for use and storage of this material should have good ventilation and all sources of open flame and high heat should be excluded. Prohibit smoking in these areas. Do not take internally. Avoid prolonged contact with skin. Keep away from children. Do not puncture, drag or slide container. Wet material is slippery when spilled. Train employees on all special handling procedures in this and other sections before they work with this product. Do not store above 130°F.

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