# SAFETY DATA SHEET

## 1. Identification

**Product identifier** **STEEL-IT 1002 Polyurethane**

**Other means of identification**

**SDS number** SDS-1002

**Product code** FGPA1002-P (pint), FGPA1002-Q (quart), FGPA1002-G (gallon), FGPA1002-5G (5-gallon pail)

**Recommended use** Paint / Industrial coating (topcoat).
Category: Pigmented metallic coating.

**Recommended restrictions** Uses other than the recommended use.

**Manufacturer/Importer/Supplier/Distributor information**

**Company name** Stainless Steel Coatings, Inc.

**Address** 835 Sterling Road
Lancaster MA 01523-2915, USA

**Telephone** 978-365-9828

**E-mail** sds@STEEL-IT.com

**Emergency telephone** CHEMTREC: 1-800-424-9300

## 2. Hazard(s) identification

| | | |
|---|---|---|
| **Physical hazards** | Flammable liquids | Category 3 |
| **Health hazards** | Skin corrosion/irritation | Category 2 |
| | Sensitization, skin | Category 1 |
| | Carcinogenicity (inhalation) | Category 1A |
| | Reproductive toxicity (the unborn child) (oral) | Category 2 |
| | Specific target organ toxicity, single exposure | Category 3 narcotic effects |
| | Specific target organ toxicity, repeated exposure (inhalation) | Category 1 (central nervous system, respiratory tract) |
| | Specific target organ toxicity, repeated exposure | Category 2 (kidneys, liver) |
| **Environmental hazards** | Hazardous to the aquatic environment, acute hazard | Category 2 |
| | Hazardous to the aquatic environment, long-term hazard | Category 2 |

**OSHA defined hazards** Not classified.

**Label elements**

**Signal word** Danger

**Hazard statement** Flammable liquid and vapor. Causes skin irritation. May cause an allergic skin reaction. May cause cancer by inhalation. Suspected of damaging the unborn child by ingestion. May cause drowsiness or dizziness. Causes damage to organs (central nervous system, respiratory tract) through prolonged or repeated exposure. May cause damage to organs (kidneys, liver) through prolonged or repeated exposure. Toxic to aquatic life with long lasting effects.

**Precautionary statement**

| | |
|---|---|
| **Prevention** | 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. Keep container tightly closed. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting// equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Do not breathe mist/vapors/spray. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Contaminated work clothing must not be allowed out of the workplace. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection. |
| **Response** | If exposed or concerned: Get medical advice/attention. If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse. If inhaled: Remove person to fresh air and keep comfortable for breathing. Call a poison center/doctor if you feel unwell. In case of fire: Use water fog, foam, dry chemical powder, carbon dioxide to extinguish. Collect spillage. |
| **Storage** | Keep cool. Store in a well-ventilated place. Keep container tightly closed. Store locked up. |
| **Disposal** | Dispose of contents/container in accordance with local/regional/national/international regulations. |
| **Hazard(s) not otherwise classified (HNOC)** | None known. |
| **Supplemental information** | None. |

## 3. Composition/information on ingredients

**Mixtures**

| Chemical name | CAS number | % |
|---|---|---|
| Distillates (petroleum), hydrotreated light | 64742-47-8 | 20 - 30 |
| Benzene, 1-chloro-4-(trifluoromethyl)- | 98-56-6 | 15 - 25 |
| Chromium | 7440-47-3 | 1 - 4 |
| C.I. Pigment black 028 | 68186-91-4 | 1 - 3 |
| Nickel | 7440-02-0 | 1 - 3 |
| Xylene | 1330-20-7 | 1 - 3 |
| Ethylbenzene | 100-41-4 | < 0.8 |
| 2-Butanone oxime | 96-29-7 | < 0.2 |
| Quartz | 14808-60-7 | < 0.2 |
| 2-Ethylhexanoic Acid Zirconium Salt | 22464-99-9 | < 0.2 |
| Carbon black | 1333-86-4 | < 0.2 |

**Composition comments** The specific chemical identity and/or exact percentage of component(s) have been withheld as a trade secret.
All concentrations are in percent by weight unless otherwise indicated. Components not listed are either non-hazardous or are below reportable limits.

## 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 immediately and wash skin with soap and water. In case of eczema or other skin disorders: Seek medical attention and take along these instructions. |
| **Eye contact** | Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Get medical attention if irritation develops and persists. |
| **Ingestion** | Rinse mouth. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. Get medical attention if symptoms occur. |
| **Most important symptoms/effects, acute and delayed** | May cause drowsiness and dizziness. Narcosis. Headache. Nausea, vomiting. Behavioral changes. Decrease in motor functions. Direct contact with eyes may cause temporary irritation. Skin irritation. May cause redness and pain. May cause an allergic skin reaction. Dermatitis. Rash. Prolonged exposure may cause chronic effects. |
| **Indication of immediate medical attention and special treatment needed** | Provide general supportive measures and treat symptomatically. Thermal burns: Flush with water immediately. While flushing, remove clothes which do not adhere to affected area. Call an ambulance. Continue flushing during transport to hospital. Keep victim under observation. Symptoms may be delayed. |

| | |
|---|---|
| **General information** | Take off all contaminated clothing immediately. IF exposed or concerned: Get medical advice/attention. If you feel unwell, seek medical advice (show the label where possible). 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. Wash contaminated clothing before reuse. |

## 5. Fire-fighting measures

| | |
|---|---|
| **Suitable extinguishing media** | Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2). |
| **Unsuitable extinguishing media** | Do not use water jet as an extinguisher, as this will spread the fire. |
| **Specific hazards arising from the chemical** | Vapors may form explosive mixtures with air. Vapors may travel considerable distance to a source of ignition and flash back. During fire, gases hazardous to health may be formed such as: Carbon oxides. Chlorine compounds. Fluorine compounds. Fumes of metal oxides. |
| **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 and/or explosion do not breathe fumes. Move containers from fire area if you can do so without risk. Cool containers exposed to flames with water until well after the fire is out. |
| **Specific methods** | Use standard firefighting procedures and consider the hazards of other involved materials. |
| **General fire hazards** | Flammable liquid and vapor. |

## 6. Accidental release measures

| | |
|---|---|
| **Personal precautions, protective equipment and emergency procedures** | Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Wear appropriate protective equipment and clothing during clean-up. Do not breathe mist/vapors/spray. 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. |
| **Methods and materials for containment and cleaning up** | Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil, etc.) away from spilled material. Take precautionary measures against static discharge. Use only non-sparking tools. Prevent product from entering drains.<br><br>Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Following product recovery, flush area with water. Retain and dispose of contaminated wash water.<br><br>Small Spills: Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Wipe up with absorbent material. Clean surface thoroughly to remove residual contamination.<br><br>Never return spills to original containers for re-use. Put material in suitable, covered, labeled containers. For waste disposal, see section 13 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. |

## 7. Handling and storage

| | |
|---|---|
| **Precautions for safe handling** | Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. Explosion-proof general and local exhaust ventilation. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Use non-sparking tools and explosion-proof equipment.<br><br>Do not breathe mist/vapors/spray. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. When using, do not eat, drink or smoke. Persons susceptible to allergic reactions should not handle this product. Pregnant or breastfeeding women must not handle this product. 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. |
| **Conditions for safe storage, including any incompatibilities** | Store locked up. Keep away from heat, sparks and open flame. Prevent electrostatic charge build-up by using common bonding and grounding techniques. Store in a cool, dry place out of direct sunlight. Store in tightly closed container. Store in a well-ventilated place. Keep in an area equipped with sprinklers. 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 1910.1001-1053)**

| Components | Type | Value |
|---|---|---|
| Quartz (CAS 14808-60-7) | TWA | 0.05 mg/m3 |

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

| Components | Type | Value |
|---|---|---|
| C.I. Pigment black 028 (CAS 68186-91-4) | Ceiling | 5 mg/m3 |
| Carbon black (CAS 1333-86-4) | PEL | 3.5 mg/m3 |
| Chromium (CAS 7440-47-3) | PEL | 1 mg/m3 |
| Ethylbenzene (CAS 100-41-4) | PEL | 435 mg/m3 |
| | | 100 ppm |
| Nickel (CAS 7440-02-0) | PEL | 1 mg/m3 |
| Xylene (CAS 1330-20-7) | PEL | 435 mg/m3 |
| | | 100 ppm |

**US. OSHA Table Z-3 (29 CFR 1910.1000)**

| Components | Type | Value | Form |
|---|---|---|---|
| Quartz (CAS 14808-60-7) | TWA | 0.1 mg/m3 | Respirable. |
| | | 2.4 mppcf | Respirable. |

**US. ACGIH Threshold Limit Values**

| Components | Type | Value | Form |
|---|---|---|---|
| Carbon black (CAS 1333-86-4) | TWA | 3 mg/m3 | Inhalable fraction. |
| Chromium (CAS 7440-47-3) | TWA | 0.5 mg/m3 | Inhalable fraction. |
| Ethylbenzene (CAS 100-41-4) | TWA | 20 ppm | |
| Nickel (CAS 7440-02-0) | TWA | 1.5 mg/m3 | Inhalable fraction. |
| Quartz (CAS 14808-60-7) | TWA | 0.025 mg/m3 | Respirable fraction. |
| Xylene (CAS 1330-20-7) | STEL | 150 ppm | |
| | TWA | 100 ppm | |

**US. NIOSH: Pocket Guide to Chemical Hazards**

| Components | Type | Value | Form |
|---|---|---|---|
| C.I. Pigment black 028 (CAS 68186-91-4) | STEL | 3 mg/m3 | Fume. |
| Carbon black (CAS 1333-86-4) | TWA | 3.5 mg/m3 | |
| Chromium (CAS 7440-47-3) | TWA | 0.5 mg/m3 | |
| Ethylbenzene (CAS 100-41-4) | STEL | 545 mg/m3 | |
| | | 125 ppm | |
| | TWA | 435 mg/m3 | |
| | | 100 ppm | |
| Nickel (CAS 7440-02-0) | TWA | 0.015 mg/m3 | |
| Quartz (CAS 14808-60-7) | TWA | 0.05 mg/m3 | Respirable dust. |
| Xylene (CAS 1330-20-7) | STEL | 655 mg/m3 | |
| | | 150 ppm | |
| | TWA | 435 mg/m3 | |
| | | 100 ppm | |

**US. Workplace Environmental Exposure Level (WEEL) Guides**

| Components | Type | Value |
|---|---|---|
| 2-Butanone oxime (CAS 96-29-7) | TWA | 36 mg/m3 |
| | | 10 ppm |

**Biological limit values**

**ACGIH Biological Exposure Indices**

| Components | Value | Determinant | Specimen | Sampling Time |
|---|---|---|---|---|
| Ethylbenzene (CAS 100-41-4) | 0.15 g/g | Sum of mandelic acid and phenylglyoxylic acid | Creatinine in urine | * |
| Xylene (CAS 1330-20-7) | 1.5 g/g | Methylhippuric acids | Creatinine in urine | * |

* - For sampling details, please see the source document.

**Appropriate engineering controls** Explosion-proof general and local exhaust ventilation. Good general ventilation 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. Provide easy access to water supply or an emergency shower.

**Individual protection measures, such as personal protective equipment**

**Eye/face protection** Wear safety glasses with side shields (or goggles) and a face shield. Wear a full-face respirator, if needed.

**Skin protection**

**Hand protection** Wear appropriate chemical resistant gloves. Nitrile, butyl rubber or neoprene gloves are recommended. Be aware that the liquid may penetrate the gloves. Frequent change is advisable. The most suitable glove must be chosen in consultation with the gloves supplier, who can inform about the breakthrough time of the glove material.

**Skin protection**

**Other** Wear appropriate chemical resistant clothing. Use of an impervious apron is recommended.

**Respiratory protection** If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn. Wear NIOSH approved respirator appropriate for airborne exposure at the point of use. Chemical respirator with organic vapor cartridge and full facepiece. Check with respiratory protective equipment suppliers.

**Thermal hazards** Wear appropriate thermal protective clothing, when necessary.

**General hygiene considerations** Observe any medical surveillance requirements. 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. Contaminated work clothing must not be allowed out of the workplace.

## 9. Physical and chemical properties

**Appearance**

**Physical state** Liquid.

**Form** Liquid.

**Color** Gray.

**Odor** Characteristic of solvents.

**Odor threshold** Not available.

**pH** Not available.

**Melting point/freezing point** Not available.

**Initial boiling point and boiling range** 278.6 - 397.4 °F (137 - 203 °C)

**Flash point** 98.6 °F (37 °C)

**Evaporation rate** 0.9 (butyl acetate = 1)

**Flammability (solid, gas)** Not applicable.

**Upper/lower flammability or explosive limits**

| | |
|---|---|
| **Explosive limit - lower (%)** | 0.9 % |
| **Explosive limit - upper (%)** | 10.5 % |
| **Vapor pressure** | 5.3 mmHg at 20 °C |
| **Vapor density** | 6.2 (Air = 1) |
| **Relative density** | 1.686 |
| **Solubility(ies)** | |
| **Solubility (water)** | Not available. |
| **Partition coefficient (n-octanol/water)** | < 1 (Log Pow) |
| **Auto-ignition temperature** | 932 °F (500 °C) |
| **Decomposition temperature** | Not available. |
| **Viscosity** | 2500 cP (Brookfield #4 spindle @ 20rpm) |
| **Other information** | |
| **Bulk density** | Not applicable. |
| **Explosive properties** | Not explosive. |
| **Oxidizing properties** | Not oxidizing. |
| **VOC** | 452 g/l |

## 10. Stability and reactivity

| | |
|---|---|
| **Reactivity** | The product is stable and non-reactive under normal conditions of use, storage and transport. |
| **Chemical stability** | Material is stable under normal conditions. |
| **Possibility of hazardous reactions** | No dangerous reaction known under conditions of normal use. |
| **Conditions to avoid** | Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. Avoid temperatures exceeding the flash point. Protect against direct sunlight. Contact with incompatible materials. |
| **Incompatible materials** | Strong oxidizing agents. Strong acids. Halogens. Chlorine. |
| **Hazardous decomposition products** | Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors. Fumes of metal oxides. Chlorine compounds. Fluorine compounds. |

## 11. Toxicological information

**Information on likely routes of exposure**

| | |
|---|---|
| **Inhalation** | May cause drowsiness or dizziness. May cause cancer by inhalation. Prolonged inhalation may be harmful. |
| **Skin contact** | Causes skin irritation. May cause an allergic skin reaction. |
| **Eye contact** | Direct contact with eyes may cause temporary irritation. |
| **Ingestion** | May cause discomfort if swallowed. Suspected of damaging the unborn child by ingestion. |
| **Symptoms related to the physical, chemical and toxicological characteristics** | May cause drowsiness or dizziness. Narcosis. Headache. Nausea, vomiting. Behavioral changes. Direct contact with eyes may cause temporary irritation. Decrease in motor functions. Skin irritation. May cause redness and pain. May cause an allergic skin reaction. Dermatitis. Rash. Jaundice. Prolonged exposure may cause chronic effects. |

**Information on toxicological effects**

**Acute toxicity** Not expected to be acutely toxic.

| Components | Species | Test Results |
|---|---|---|
| 2-Butanone oxime (CAS 96-29-7) | | |
| **Acute** | | |
| **Dermal** | | |
| LD50 | Rabbit | > 1000 mg/kg, 24 Hours |
| **Oral** | | |
| LD50 | Rat | > 900 mg/kg |

| Components | Species | Test Results |
|---|---|---|
| Carbon black (CAS 1333-86-4) | | |
| **Acute** | | |
| **Dermal** | | |
| LD50 | Rabbit | > 3000 mg/kg |
| **Oral** | | |
| LD50 | Rat | > 8000 mg/kg |
| Ethylbenzene (CAS 100-41-4) | | |
| **Acute** | | |
| **Dermal** | | |
| LD50 | Rabbit | 15400 mg/kg |
| **Inhalation** | | |
| LC50 | Rat | 17.4 mg/l, 4 hours |
| **Oral** | | |
| LD50 | Rat | 3500 - 4700 mg/kg |
| Xylene (CAS 1330-20-7) | | |
| **Acute** | | |
| **Oral** | | |
| LD50 | Rat | 3523 mg/kg |

**Skin corrosion/irritation** Causes skin irritation.

**Serious eye damage/eye irritation** Direct contact with eyes may cause temporary irritation.

**Respiratory or skin sensitization**

**ACGIH sensitization**

| | |
|---|---|
| Trivalent chromium water soluble inorganic compounds, including Chromite ore processing, as Cr (III), inhalable fraction (CAS 68186-91-4) | Dermal sensitization |
| | Respiratory sensitization |

**Respiratory sensitization** Not a respiratory sensitizer.

**Skin sensitization** May cause an allergic skin reaction.

**Germ cell mutagenicity** No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

**Carcinogenicity** May cause cancer.

**IARC Monographs. Overall Evaluation of Carcinogenicity**

| | |
|---|---|
| Benzene, 1-chloro-4-(trifluoromethyl)- (CAS 98-56-6) | 2B Possibly carcinogenic to humans. |
| C.I. Pigment black 028 (CAS 68186-91-4) | 3 Not classifiable as to carcinogenicity to humans. |
| Carbon black (CAS 1333-86-4) | 2B Possibly carcinogenic to humans. |
| Chromium (CAS 7440-47-3) | 3 Not classifiable as to carcinogenicity to humans. |
| Ethylbenzene (CAS 100-41-4) | 2B Possibly carcinogenic to humans. |
| Nickel (CAS 7440-02-0) | 2B Possibly carcinogenic to humans. |
| Quartz (CAS 14808-60-7) | 1 Carcinogenic to humans. |
| Xylene (CAS 1330-20-7) | 3 Not classifiable as to carcinogenicity to humans. |

**NTP Report on Carcinogens**

| | |
|---|---|
| Carbon black (CAS 1333-86-4) | Known To Be Human Carcinogen. |
| Nickel (CAS 7440-02-0) | Known To Be Human Carcinogen. |
| | Reasonably Anticipated to be a Human Carcinogen. |
| Quartz (CAS 14808-60-7) | Known To Be Human Carcinogen. |

**OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)**

| | |
|---|---|
| Quartz (CAS 14808-60-7) | Cancer |

**Reproductive toxicity** Suspected of damaging the unborn child.

**Specific target organ toxicity - single exposure** May cause drowsiness or dizziness.

**Specific target organ toxicity - repeated exposure** Causes damage to organs (central nervous system, respiratory tract) through prolonged or repeated exposure. May cause damage to organs (kidneys, liver) through prolonged or repeated exposure.

**Aspiration hazard** Not an aspiration hazard.

**Chronic effects** Prolonged inhalation may be harmful. Causes damage to organs through prolonged or repeated exposure.

## 12. Ecological information

**Ecotoxicity** Toxic to aquatic life with long lasting effects.

| Components | | Species | Test Results |
|---|---|---|---|
| Carbon black (CAS 1333-86-4) | | | |
| **Aquatic** | | | |
| *Acute* | | | |
| Fish | LC50 | Leuciscus idus | > 1000 mg/l, 96 Hours |
| Distillates (petroleum), hydrotreated light (CAS 64742-47-8) | | | |
| **Aquatic** | | | |
| *Acute* | | | |
| Fish | LC50 | Rainbow trout,donaldson trout (Oncorhynchus mykiss) | 2.9 mg/l, 96 hours |
| Ethylbenzene (CAS 100-41-4) | | | |
| **Aquatic** | | | |
| *Acute* | | | |
| Crustacea | EC50 | Water flea (Daphnia magna) | 1.81 - 2.38 mg/l, 48 hours |
| Fish | LC50 | Rainbow trout,donaldson trout (Oncorhynchus mykiss) | 4.2 mg/l, 96 hours |
| *Chronic* | | | |
| Crustacea | EC50 | Ceriodaphnia dubia | 3.6 mg/l, 7 days |
| Nickel (CAS 7440-02-0) | | | |
| **Aquatic** | | | |
| *Acute* | | | |
| Crustacea | EC50 | Water flea (Daphnia magna) | 1 mg/l, 48 hours |
| | LC50 | Calanoid copepod (Eurytemora affinis) | 7.35 - 12.12 mg/l, 96 hours |
| Xylene (CAS 1330-20-7) | | | |
| **Aquatic** | | | |
| Fish | LC50 | Rainbow trout,donaldson trout (Oncorhynchus mykiss) | 2.6 mg/l, 96 hours |

**Persistence and degradability** No data is available on the degradability of this product.

**Bioaccumulative potential**

**Partition coefficient n-octanol / water (log Kow)**

| | |
|---|---|
| STEEL-IT 1002 Polyurethane | < 1, (Log Pow) |
| Benzene, 1-chloro-4-(trifluoromethyl)- (CAS 98-56-6) | 3.6 |
| Ethylbenzene (CAS 100-41-4) | 3.15 |
| Xylene (CAS 1330-20-7) | 3.12 - 3.2 |

**Mobility in soil** No data available for this product.

**Other adverse effects** The product contains volatile organic compounds which have a photochemical ozone creation potential. This product contains one or more substances identified as hazardous air pollutants (HAPs) per the US Federal Clean Air Act (see section 15).

## 13. Disposal considerations

**Disposal instructions** Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Incinerate the material under controlled conditions in an approved incinerator. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. If discarded, this product is considered a RCRA ignitable waste, D001. Dispose of contents/container in accordance with local/regional/national/international regulations.

**Local disposal regulations** Dispose in accordance with all applicable regulations.

**Hazardous waste code** D001: Waste Flammable material with a flash point <140 F
D007: Waste Chromium
The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

| | |
|---|---|
| **Waste from residues / unused products** | Dispose in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner. |
| **Contaminated packaging** | Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not re-use empty containers. |

## 14. Transport information

**DOT**

| | |
|---|---|
| **UN number** | UN1263 |
| **UN proper shipping name** | Paint |
| **Transport hazard class(es)** | |
| **Class** | 3 |
| **Subsidiary risk** | - |
| **Label(s)** | 3 |
| **Packing group** | III |
| **Environmental hazards** | |
| **Marine pollutant** | Yes |
| **Special precautions for user** | Read safety instructions, SDS and emergency procedures before handling. |
| **Special provisions** | B1, B52, IB3, T2, TP1, TP29 |
| **Packaging exceptions** | 150 |
| **Packaging non bulk** | 173 |
| **Packaging bulk** | 242 |

**IATA**

| | |
|---|---|
| **UN number** | UN1263 |
| **UN proper shipping name** | Paint |
| **Transport hazard class(es)** | |
| **Class** | 3 |
| **Subsidiary risk** | - |
| **Label(s)** | 3 |
| **Packing group** | III |
| **Environmental hazards** | Yes |
| **ERG Code** | 3L |
| **Special precautions for user** | Read safety instructions, SDS and emergency procedures before handling. |

**IMDG**

| | |
|---|---|
| **UN number** | UN1263 |
| **UN proper shipping name** | PAINT |
| **Transport hazard class(es)** | |
| **Class** | 3 |
| **Subsidiary risk** | - |
| **Packing group** | III |
| **Environmental hazards** | |
| **Marine pollutant** | Yes |
| **EmS** | F-E, S-E |
| **Special precautions for user** | Read safety instructions, SDS and emergency procedures before handling. |

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** Not established.

## 15. Regulatory information

**US federal regulations** This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

**TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)**

Benzene, 1-chloro-4-(trifluoromethyl)- (CAS 98-56-6) 0.1 % One-Time Export Notification only.

**CERCLA Hazardous Substance List (40 CFR 302.4)**

| | |
|---|---|
| Chromium (CAS 7440-47-3) | Listed. |
| Ethylbenzene (CAS 100-41-4) | Listed. |
| Nickel (CAS 7440-02-0) | Listed. |
| Xylene (CAS 1330-20-7) | Listed. |

**SARA 304 Emergency release notification**

Not regulated.

**OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)**

| | |
|---|---|
| Quartz (CAS 14808-60-7) | Cancer<br>lung effects<br>immune system effects<br>kidney effects |

**Toxic Substances Control Act (TSCA)** All components of the mixture on the TSCA 8(b) inventory are designated "active".

**Superfund Amendments and Reauthorization Act of 1986 (SARA)**

**SARA 302 Extremely hazardous substance**

Not listed.

**SARA 311/312 Hazardous chemical** Yes

**Classified hazard categories**
Flammable (gases, aerosols, liquids, or solids)
Skin corrosion or irritation
Respiratory or skin sensitization
Carcinogenicity
Reproductive toxicity
Specific target organ toxicity (single or repeated exposure)

**SARA 313 (TRI reporting)**

| Chemical name | CAS number | % by wt. |
|---|---|---|
| Chromium | 7440-47-3 | 1 - 4 |
| Ethylbenzene | 100-41-4 | < 0.8 |
| Nickel | 7440-02-0 | 1 - 3 |
| Xylene | 1330-20-7 | 1 - 3 |

**Other federal regulations**

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

C.I. Pigment black 028 (CAS 68186-91-4)
Chromium (CAS 7440-47-3)
Ethylbenzene (CAS 100-41-4)
Nickel (CAS 7440-02-0)
Xylene (CAS 1330-20-7)

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

Not regulated.

**Safe Drinking Water Act (SDWA)** Contains component(s) regulated under the Safe Drinking Water Act.

**US state regulations**

**US. Massachusetts RTK - Substance List**

Carbon black (CAS 1333-86-4)
Chromium (CAS 7440-47-3)
Ethylbenzene (CAS 100-41-4)
Nickel (CAS 7440-02-0)
Quartz (CAS 14808-60-7)
Xylene (CAS 1330-20-7)

**US. New Jersey Worker and Community Right-to-Know Act**

Benzene, 1-chloro-4-(trifluoromethyl)- (CAS 98-56-6)
Carbon black (CAS 1333-86-4)
Chromium (CAS 7440-47-3)
Distillates (petroleum), hydrotreated light (CAS 64742-47-8)
Ethylbenzene (CAS 100-41-4)
Nickel (CAS 7440-02-0)
Quartz (CAS 14808-60-7)
Xylene (CAS 1330-20-7)

**US. Pennsylvania Worker and Community Right-to-Know Law**

C.I. Pigment black 028 (CAS 68186-91-4)
Carbon black (CAS 1333-86-4)
Chromium (CAS 7440-47-3)
Ethylbenzene (CAS 100-41-4)
Nickel (CAS 7440-02-0)
Quartz (CAS 14808-60-7)
Xylene (CAS 1330-20-7)

**US. Rhode Island RTK**

C.I. Pigment black 028 (CAS 68186-91-4)
Carbon black (CAS 1333-86-4)
Chromium (CAS 7440-47-3)
Ethylbenzene (CAS 100-41-4)
Nickel (CAS 7440-02-0)
Quartz (CAS 14808-60-7)
Xylene (CAS 1330-20-7)

**California Proposition 65**

**WARNING:** This product can expose you to chemicals including Benzene, 1-chloro-4-(trifluoromethyl)-, which is known to the State of California to cause cancer, and Toluene, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

**California Proposition 65 - CRT: Listed date/Carcinogenic substance**

| | |
|---|---|
| Benzene, 1-chloro-4-(trifluoromethyl)- (CAS 98-56-6) | Listed: June 28, 2018 |
| Carbon black (CAS 1333-86-4) | Listed: February 21, 2003 |
| Ethylbenzene (CAS 100-41-4) | Listed: June 11, 2004 |
| Nickel (CAS 7440-02-0) | Listed: October 1, 1989 |
| Quartz (CAS 14808-60-7) | Listed: October 1, 1988 |

**California Proposition 65 - CRT: Listed date/Developmental toxin**

| | |
|---|---|
| Toluene (CAS 108-88-3) | Listed: January 1, 1991 |

**US. California. Candidate Chemicals List. Safer Consumer Products Regulations (Cal. Code Regs, tit. 22, 69502.3, subd. (a))**

Benzene, 1-chloro-4-(trifluoromethyl)- (CAS 98-56-6)
C.I. Pigment black 028 (CAS 68186-91-4)
Carbon black (CAS 1333-86-4)
Chromium (CAS 7440-47-3)
Ethylbenzene (CAS 100-41-4)
Nickel (CAS 7440-02-0)
Quartz (CAS 14808-60-7)
Xylene (CAS 1330-20-7)

**International Inventories**

| Country(s) or region | Inventory name | On inventory (yes/no)* |
|---|---|---|
| Australia | Australian Inventory of Industrial Chemicals (AICIS) | No |
| Canada | Domestic Substances List (DSL) | Yes |
| Canada | Non-Domestic Substances List (NDSL) | No |
| China | Inventory of Existing Chemical Substances in China (IECSC) | Yes |
| Europe | European Inventory of Existing Commercial Chemical Substances (EINECS) | No |
| Europe | European List of Notified Chemical Substances (ELINCS) | No |
| Japan | Inventory of Existing and New Chemical Substances (ENCS) | No |
| Korea | Existing Chemicals List (ECL) | No |
| New Zealand | New Zealand Inventory | Yes |
| Philippines | Philippine Inventory of Chemicals and Chemical Substances (PICCS) | No |
| Taiwan | Taiwan Chemical Substance Inventory (TCSI) | Yes |
| United States & Puerto Rico | Toxic Substances Control Act (TSCA) Inventory | Yes |

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)
A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

## 16. Other information, including date of preparation or last revision

| | |
|---|---|
| **Issue date** | 09-July-2018 |
| **Revision date** | 15-October-2020 |
| **Version #** | 02 |

**NFPA ratings**


**Disclaimer**

Stainless Steel Coatings, Inc. cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use.