



SAFETY DATA SHEET

1. Identification

| | |
|---|---|
| Product identifier | STEEL-IT 4907A Epoxy Topcoat, Part A |
| Other means of identification | |
| SDS number | SDS-4907A |
| Product code | FGPA4907A-P (pint), FGPA4907A-Q (quart), FGPA4907A-G (gallon), FGPA4907A-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 | Acute toxicity, inhalation | Category 4 |
| | Skin corrosion/irritation | Category 2 |
| | Serious eye damage/eye irritation | Category 1 |
| | Sensitization, skin | Category 1A |
| | Carcinogenicity | Category 2 |
| | Specific target organ toxicity, single exposure | Category 3 respiratory tract irritation |
| | Specific target organ toxicity, repeated exposure (inhalation) | Category 1 (respiratory tract) |
| | Specific target organ toxicity, repeated exposure | Category 2 (central nervous system, kidneys, liver) |
| | Aspiration hazard | Category 1 |
| 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. Harmful if inhaled. Causes skin irritation. Causes serious eye damage. May cause an allergic skin reaction. Suspected of causing cancer. May cause respiratory irritation. Causes damage to organs (respiratory tract) through prolonged or repeated exposure by inhalation. May cause damage to organs (central nervous system, kidneys, liver) through prolonged or repeated exposure. May be fatal if swallowed and enters airways. 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 swallowed: Immediately call a poison center/doctor. Do NOT induce vomiting. 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 in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center/doctor. 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 | % |
|---|------------|-----------|
| Fatty acids, C18-unsatd., dimers, oligomeric reaction products with tall-oil fatty acids and triethylenetetramine | 68082-29-1 | 40 - 50 |
| Xylene | 1330-20-7 | 10 - < 20 |
| 2-Butoxyethanol | 111-76-2 | 10 - 15 |
| Benzene, 1-chloro-4-(trifluoromethyl)- | 98-56-6 | 10 - 15 |
| Chromium | 7440-47-3 | 1 - 5 |
| Nickel | 7440-02-0 | 1 - 5 |
| Solvent naphtha (petroleum), light arom. | 64742-95-6 | 1 - 5 |
| Urea, polymer with formaldehyde, butylated | 68002-19-7 | 1 - 5 |
| Ethylbenzene | 100-41-4 | < 1 |
| Triethylenetetramine | 112-24-3 | < 1 |

Composition comments

The exact percentage (concentration) of composition has 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. Oxygen or artificial respiration if needed. 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. Continue rinsing. Get medical attention immediately.

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, acute and delayed | Aspiration may cause pulmonary edema and pneumonitis. Narcosis. Behavioral changes. Decrease in motor functions. Causes serious eye damage. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result. May cause respiratory irritation. Coughing. Skin irritation. May cause redness and pain. May cause an allergic skin reaction. Dermatitis. Rash. Jaundice. 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 warm. Keep victim under observation. Symptoms may be delayed. |
| General information | Take off all contaminated clothing immediately. 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. Wash contaminated clothing before reuse. |

5. Fire-fighting measures

| | |
|--|--|
| Suitable extinguishing media | Water fog. Foam. Dry chemical 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 | 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. Aldehydes. Nitrogen oxides. Fumes of metal oxides. Halogenated compounds. |
| 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. Prevent runoff from fire control or dilution from entering streams, sewers or drinking water supply. |
| 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. 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. 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. 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.

Do not breathe mist/vapors/spray. Do not get in eyes and avoid contact with skin and clothing. Avoid prolonged exposure. When using, do not eat, drink or smoke. Persons susceptible to allergic reactions should 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 Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

| Components | Type | Value |
|--------------------------------|------|-----------|
| 2-Butoxyethanol (CAS 111-76-2) | PEL | 240 mg/m3 |
| | | 50 ppm |
| 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. ACGIH Threshold Limit Values

| Components | Type | Value | Form |
|--------------------------------|------|-----------|---------------------|
| 2-Butoxyethanol (CAS 111-76-2) | TWA | 20 ppm | |
| 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. |
| Xylene (CAS 1330-20-7) | STEL | 150 ppm | |
| | TWA | 100 ppm | |

US. NIOSH: Pocket Guide to Chemical Hazards

| Components | Type | Value |
|--------------------------------|------|-------------|
| 2-Butoxyethanol (CAS 111-76-2) | TWA | 24 mg/m3 |
| | | 5 ppm |
| 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 |
| Xylene (CAS 1330-20-7) | STEL | 655 mg/m3 |

US. NIOSH: Pocket Guide to Chemical Hazards

| Components | Type | Value |
|------------|------|-----------------------|
| | | 150 ppm |
| | TWA | 435 mg/m ³ |
| | | 100 ppm |

US. Workplace Environmental Exposure Level (WEEL) Guides

| Components | Type | Value |
|-------------------------------------|------|---------------------|
| Triethylenetetramine (CAS 112-24-3) | TWA | 6 mg/m ³ |
| | | 1 ppm |

Biological limit values**ACGIH Biological Exposure Indices**

| Components | Value | Determinant | Specimen | Sampling Time |
|--------------------------------|----------|---|---------------------|---------------|
| 2-Butoxyethanol (CAS 111-76-2) | 200 mg/g | Butoxyacetic acid (BAA), with hydrolysis | Creatinine in urine | * |
| 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.

Exposure guidelines**US - California OELs: Skin designation**

2-Butoxyethanol (CAS 111-76-2) Can be absorbed through the skin.

US - Minnesota Haz Subs: Skin designation applies

2-Butoxyethanol (CAS 111-76-2) Skin designation applies.

US - Tennessee OELs: Skin designation

2-Butoxyethanol (CAS 111-76-2) Can be absorbed through the skin.

US WEEL Guides: Skin designation

Triethylenetetramine (CAS 112-24-3) Can be absorbed through the skin.

US. NIOSH: Pocket Guide to Chemical Hazards

2-Butoxyethanol (CAS 111-76-2) Can be absorbed through the skin.

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

2-Butoxyethanol (CAS 111-76-2) Can be absorbed through the skin.

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. Eye wash facilities and emergency shower must be available when handling this product.

Individual protection measures, such as personal protective equipment**Eye/face protection**

When working with liquids wear splash-proof chemical goggles and face shield unless full facepiece respiratory protection is worn.

Skin protection**Hand protection**

Wear appropriate chemical resistant gloves. Nitrile or butyl rubber 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. Chemical respirator with organic vapor cartridge and full facepiece. Follow OSHA respirator regulations (29CFR 1910.134) and use NIOSH/MSHA approved respirators. 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 determined. |
| pH | Not applicable (the material is non-polar/aprotic). |
| Melting point/freezing point | Property has not been measured. |
| Initial boiling point and boiling range | 250 - 407 °F (121.11 - 208.33 °C) |
| Flash point | 84 °F (28.89 °C) |
| Evaporation rate | Slower than ether. |
| Flammability (solid, gas) | Not applicable. |
| Upper/lower flammability or explosive limits | |
| Explosive limit - lower (%) | 0.6 % v/v |
| Explosive limit - upper (%) | Property has not been measured. |
| Vapor pressure | Property has not been measured. |
| Vapor density | > 1 (Air=1) |
| Relative density | 1.16 (Water=1) (77 °F (25 °C)) |
| Solubility(ies) | |
| Solubility (water) | < 2 g/100 g, Moderately soluble in water. |
| Partition coefficient (n-octanol/water) | Not applicable, product is a mixture. |
| Auto-ignition temperature | Property has not been measured. |
| Decomposition temperature | Property has not been measured. |
| Viscosity | Property has not been measured. |
| Other information | |
| Density | Property has not been measured. |
| Explosive properties | Not explosive. |
| Kinematic viscosity | Property has not been measured. |
| Oxidizing properties | Not oxidizing. |
| Particle size | Not applicable, material is a liquid. |
| VOC | > 450.72 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 acids. Strong oxidizing agents. Strong reducing agents. Halogens. |
| Hazardous decomposition products | Thermal decomposition of this product can generate carbon monoxide and carbon dioxide. Aldehydes. Nitrogen compounds. Fumes of metal oxides. Halogenated compounds. |

11. Toxicological information

Information on likely routes of exposure

| | |
|---------------------|---|
| Inhalation | Harmful if inhaled. Causes damage to organs through prolonged or repeated exposure by inhalation. |
| Skin contact | Causes skin irritation. May cause an allergic skin reaction. May be harmful in contact with skin. May be absorbed through the skin. 2-Butoxy ethanol may be absorbed through the skin in toxic amounts if contact is repeated and prolonged. These effects have not been observed in humans. |
| Eye contact | Causes serious eye damage. |
| Ingestion | Droplets of the product aspirated into the lungs through ingestion or vomiting may cause a serious chemical pneumonia. |

Symptoms related to the physical, chemical and toxicological characteristics

Aspiration may cause pulmonary edema and pneumonitis. Narcosis. Behavioral changes. Decrease in motor functions. Causes serious eye damage. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result. May cause respiratory irritation. 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 Harmful if inhaled. May be harmful in contact with skin.

| Components | Species | Test Results |
|--|--|--------------------|
| 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 |
| Triethylenetetramine (CAS 112-24-3) | | |
| Acute | | |
| Dermal | | |
| LD50 | Rabbit | 805 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 | Causes serious eye damage. | |
| Respiratory or skin 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 | Suspect cancer hazard. | |

IARC Monographs. Overall Evaluation of Carcinogenicity

| | |
|---|---|
| 2-Butoxyethanol (CAS 111-76-2) | 3 Not classifiable as to carcinogenicity to humans. |
| Benzene, 1-chloro-4-(trifluoromethyl)- (CAS 98-56-6) | 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. |
| Solvent naphtha (petroleum), light arom. (CAS 64742-95-6) | 3 Not classifiable as to carcinogenicity to humans. |

Xylene (CAS 1330-20-7)
NTP Report on Carcinogens
Nickel (CAS 7440-02-0)

3 Not classifiable as to carcinogenicity to humans.

Known To Be Human Carcinogen.
Reasonably Anticipated to be a Human Carcinogen.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)

Not listed.

Reproductive toxicity Not classified. However: Components in this product have been shown to cause birth defects and reproductive disorders in laboratory animals.

Specific target organ toxicity - single exposure May cause respiratory irritation.

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

Aspiration hazard May be fatal if swallowed and enters airways.

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

Further information Symptoms may be delayed.

12. Ecological information

Ecotoxicity Toxic to aquatic life with long lasting effects.

| Components | | Species | Test Results |
|---------------------------------------|------|---|-----------------------------|
| 2-Butoxyethanol (CAS 111-76-2) | | | |
| Aquatic | | | |
| Algae | NOEC | Pseudokirchnerella subcapitata | 286 mg/l, 72 hours |
| Crustacea | EC50 | Daphnia magna | 835 mg/l, 48 hours |
| <i>Acute</i> | | | |
| Fish | LC50 | Oncorhynchus mykiss | 1474 mg/l, 96 Hours |
| Ethylbenzene (CAS 100-41-4) | | | |
| Aquatic | | | |
| <i>Acute</i> | | | |
| 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 |
| <i>Chronic</i> | | | |
| Crustacea | EC50 | Ceriodaphnia dubia | 3.6 mg/l, 7 days |
| Nickel (CAS 7440-02-0) | | | |
| Aquatic | | | |
| <i>Acute</i> | | | |
| 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)

2-Butoxyethanol (CAS 111-76-2) 0.83
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 The product is partially soluble in water.

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 incinerate sealed containers. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. 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.

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)

| | |
|--------------------------------|---------|
| 2-Butoxyethanol (CAS 111-76-2) | Listed. |
| 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)

Not listed.

Toxic Substances Control Act (TSCA)

One or more components of the mixture are not on the TSCA 8(b) inventory or are designated "inactive".

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)
- Acute toxicity (any route of exposure)
- Skin corrosion or irritation
- Serious eye damage or eye irritation
- Respiratory or skin sensitization
- Carcinogenicity
- Specific target organ toxicity (single or repeated exposure)
- Aspiration hazard

SARA 313 (TRI reporting)

| Chemical name | CAS number | % by wt. |
|-----------------|------------|-----------|
| 2-Butoxyethanol | 111-76-2 | 10 - 15 |
| Chromium | 7440-47-3 | 1 - 5 |
| Ethylbenzene | 100-41-4 | < 1 |
| Nickel | 7440-02-0 | 1 - 5 |
| Xylene | 1330-20-7 | 10 - < 20 |

Other federal regulations

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

- 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

- 2-Butoxyethanol (CAS 111-76-2)
- Chromium (CAS 7440-47-3)
- Ethylbenzene (CAS 100-41-4)
- Nickel (CAS 7440-02-0)
- Triethylenetetramine (CAS 112-24-3)
- Xylene (CAS 1330-20-7)

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

- 2-Butoxyethanol (CAS 111-76-2)
- Benzene, 1-chloro-4-(trifluoromethyl)- (CAS 98-56-6)
- Chromium (CAS 7440-47-3)

Ethylbenzene (CAS 100-41-4)
Nickel (CAS 7440-02-0)
Triethylenetetramine (CAS 112-24-3)
Xylene (CAS 1330-20-7)

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

2-Butoxyethanol (CAS 111-76-2)
Chromium (CAS 7440-47-3)
Ethylbenzene (CAS 100-41-4)
Nickel (CAS 7440-02-0)
Triethylenetetramine (CAS 112-24-3)
Xylene (CAS 1330-20-7)

US. Rhode Island RTK

2-Butoxyethanol (CAS 111-76-2)
Chromium (CAS 7440-47-3)
Ethylbenzene (CAS 100-41-4)
Nickel (CAS 7440-02-0)
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 |
| Cumene (CAS 98-82-8) | Listed: April 6, 2010 |
| Ethylbenzene (CAS 100-41-4) | Listed: June 11, 2004 |
| Formaldehyde (CAS 50-00-0) | Listed: January 1, 1988 |
| Nickel (CAS 7440-02-0) | Listed: October 1, 1989 |

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))

2-Butoxyethanol (CAS 111-76-2)
Benzene, 1-chloro-4-(trifluoromethyl)- (CAS 98-56-6)
Chromium (CAS 7440-47-3)
Ethylbenzene (CAS 100-41-4)
Nickel (CAS 7440-02-0)
Solvent naphtha (petroleum), light arom. (CAS 64742-95-6)
Xylene (CAS 1330-20-7)

International Inventories

| Country(s) or region | Inventory name | On inventory (yes/no)* |
|-----------------------------|--|------------------------|
| Australia | Australian Inventory of Industrial Chemicals (AICIS) | Yes |
| 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) | Yes |
| New Zealand | New Zealand Inventory | Yes |
| Philippines | Philippine Inventory of Chemicals and Chemical Substances (PICCS) | Yes |
| 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 24-November-2021

Revision date -

Version # 01

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.