SAFETY DATA SHEET

1. Identification

GHS product identifier STEEL-IT LVOC Epoxy Primer, Part "B"

Product code 4220B Version # 01

Issue date 11-12-2012

Revision date - Supersedes date -

CAS # Mixture

Recommended use Paint / Industrial coating.

Recommended Restrictions Not available.

Manufacturer information Stainless Steel Coatings, Inc

835 Sterling Road

South Lancaster, MA, 01561 Contact person: CHEMTREC

sds@steel-it.com (978) 365-9828

2. Hazards identification

GHS classification

Physical hazardsFlammable liquidsCategory 3Health hazardsAcute toxicity, oralCategory 5Skin corrosion/irritationCategory 2Serious eye damage/eye irritationCategory 2CarcinogenicityCategory 2Specific target organ toxicity, repeatedCategory 2 (Lung)

exposure

Environmental hazards Hazardous to the aquatic environment,

long-term hazard

Category 3

GHS label elements

Signal word Warning







Hazard statement Flammable liquid and vapor. May be harmful if swallowed. Causes skin irritation. Causes serious

eye irritation. Suspected of causing cancer. May cause damage to organs (Lung) through

prolonged or repeated exposure. Harmful to aquatic life with long lasting effects.

Precautionary statement

Prevention 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. Wash thoroughly after handling. Do not breathe mist or vapor. Do not eat, drink or smoke when using this product. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective

equipment as required. Avoid release to the environment.

Response In case of fire: Use alcohol-resistant foam, carbon dioxide, dry powder or water fog for extinction. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present

and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. Call a POISON CENTER or doctor/physician if you feel unwell. IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention. IF exposed or concerned:

Get medical advice/attention. Wash contaminated clothing before reuse.

Storage Store in a well-ventilated place. Keep cool. Store locked up.

Disposal Dispose of contents/container in accordance with local/regional/national/international regulations.

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Vapors irritate the respiratory system, and may cause coughing and difficulties in breathing. Organic solvents may be absorbed into the body by inhalation and ingestion and cause permanent damage to the nervous system, including the brain. Liquid irritates mucous membranes and may cause abdominal pain if swallowed.

3. Composition/information on ingredients

CAS#	Percent
7727-43-7	25 - 30
14807-96-6	10 - 15
95-63-6	5 - 10
100-51-6	5 - 10
64742-95-6	5 - 10
13463-67-7	5 - 10
90-72-2	1 - 5
123-42-2	1 - 5
108-67-8	1 - 3
67762-90-7	1 - 3
25340-17-4	<1
	7727-43-7 14807-96-6 95-63-6 100-51-6 64742-95-6 13463-67-7 90-72-2 123-42-2 108-67-8 67762-90-7

Composition comments

All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

4. First aid measures

First aid procedures

Inhalation Move injured person into fresh air and keep person calm under observation. Get medical attention

if any discomfort occurs.

Skin Remove contaminated clothing immediately and wash skin with soap and water. Get medical

attention if irritation develops and persists.

Immediately flush with plenty of water for at least 15 minutes. Remove any contact lenses and Eve

open eyelids wide apart. Get medical attention if irritation or symptoms persist.

Ingestion If swallowed, rinse mouth with water (only if the person is conscious). Do not induce vomiting. If

vomiting occurs, the head should be kept low so that stomach vomit doesn't enter the lungs. Get

Vapors may cause drowsiness and dizziness. Causes skin irritation. Causes eye irritation.

medical attention if any discomfort occurs.

Most important symptoms and effects, both acute and delayed

Notes to physician General advice

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.

5. Fire-fighting measures

Suitable extinguishing media

Unsuitable extinguishing media

Extinguish with foam, carbon dioxide or dry powder.

Do not use water jet as an extinguisher, as this will spread the fire.

Specific hazards arising from

the chemical

During fire, gases hazardous to health may be formed. Solvent vapors may form explosive mixtures with air.

Protective equipment and

precautions for firefighters

Selection of respiratory protection for firefighting: follow the general fire precautions indicated in the workplace. Self-contained breathing apparatus and full protective clothing must be worn in

case of fire.

Protection of fire-fighters Use standard firefighting procedures and consider the hazards of other involved materials. Cool containers exposed to heat with water spray and remove container, if no risk is involved.

6. Accidental release measures

Personal precautions Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Avoid

inhalation of vapors and spray mist and contact with skin and eyes.

Environmental precautions

Do not allow to enter drains, sewers or watercourses.

Methods for containment Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Stop leak

if you can do so without risk. Dike the spilled material, where this is possible. Prevent entry into

waterways, sewers, basements or confined areas.

Methods for cleaning up Remove sources of ignition. Absorb or cover with dry earth, sand or other non-combustible

material and transfer to containers.

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7. Handling and storage

Handling Local exhaust is recommended. Avoid inhalation of vapors and spray mist and contact with skin

and eyes. The product is flammable, and heating may generate vapors which may form explosive vapor/air mixtures. Do not smoke, use open fire or other sources of ignition. Material can accumulate static charges which may cause an electrical spark (ignition source). Use proper bonding and/or grounding procedures. Use non-sparking hand tools and explosion-proof electrical

equipment. Observe good industrial hygiene practices.

Storage Store in closed original container in a dry place. Keep away from heat, sparks and open flame.

Protect against direct sunlight. Store away from incompatible materials.

8. Exposure controls / personal protection

Control parameters

US. ACGIH Threshold Limit Values

Components	Туре	Value	Form
1,2,4-Trimethylbenzene (CAS 95-63-6)	TWA	25 ppm	
1,3,5-Trimethylbenzene (CAS 108-67-8)	TWA	25 ppm	
4-hydroxy-4-methylpentan- 2-one (CAS 123-42-2)	TWA	50 ppm	
Barium sulphate (CAS 7727-43-7)	TWA	10 mg/m3	
Talc (CAS 14807-96-6)	TWA	2 mg/m3	Respirable fraction.
Titanium dioxide (CAS 13463-67-7)	TWA	10 mg/m3	

Recommended monitoring

procedures

Follow standard monitoring procedures.

Engineering controls

Use explosion-proof equipment. Provide adequate ventilation and minimize the risk of inhalation of vapors and mists. Explosion-proof general and local exhaust ventilation. Provide easy access to water supply or an emergency shower.

Personal protective equipment

Respiratory protection

Eye/face protection

Chemical goggles are recommended.

Skin protection

Wear suitable protective clothing. Chemical/oil resistant clothing is recommended. In case of inadequate ventilation or risk of inhalation of vapors, use suitable respiratory

equipment.

Hand protection

Wear protective gloves. 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.

9. Physical and chemical properties

Appearance

Physical state Liquid.
Color White.
Form Liquid.

Odor Characteristic of solvents.

Odor thresholdNot available.pHNot available.Melting point/Freezing pointNot available.

 Boiling point
 318 - 401 °F (158.9 - 205 °C)

 Flash point
 108 °F (42.2 °C) Closed Cup

Evaporation rate Slower then ether. Flammability (solid, gas) Not applicable.

Flammability limits in air, lower, % by volume

1.8 %

Flammability limits in air,

Not available.

upper, % by volume

Vapor pressureNot available.Vapor density> 1 (air=1)Relative density1.49 (77°F)Solubility (H2O)< 2 g/100 g</th>

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Not available. **Auto-ignition temperature** Not available. **Decomposition temperature** VOC (Weight %) 248 g/l Not available. Molecular weight

Other data

Not available. **Explosive limit Explosive properties** Not available. **Oxidizing properties** Not available.

10. Stability and reactivity

Chemical stability Material is stable under normal conditions.

Possibility of hazardous

reactions

Will not occur.

Conditions to avoid Heat, sparks, flames. Incompatible materials.

Rat

Incompatible materials Strong oxidizing agents. Strong reducing agents. Strong acids.

Hazardous decomposition

products

Carbon oxides. Nitrogen compounds.

11. Toxicological information

Toxicological data

Components	Species	Test Results
1,2,4-Trimethylbenzene ((CAS 95-63-6)	
Acute		
Dermal		
LD50	Rabbit	> 3160 mg/kg
Inhalation		

1,3,5-Trimethylbenzene (CAS 108-67-8)

Acute

LC50

Oral LD50

Rat 8970 mg/kg

18000 mg/m3, 4 hours

4-hydroxy-4-methylpentan-2-one (CAS 123-42-2)

Acute

Dermal

LD50 Rabbit 14.5 ml/kg

Oral

LD50 Rat 4 g/kg

Benzyl alcohol (CAS 100-51-6)

Acute

Dermal

Rabbit LD50 2000 mg/kg

Inhalation

LC50 Rat 1000 mg/l, 8 Hours

Oral

LD50 Rat 1230 - 3100 mg/kg

Routes of exposure Inhalation. Ingestion. Skin contact. Eye contact.

Toxicological information Occupational exposure to the substance or mixture may cause adverse effects.

May be harmful if swallowed. **Acute toxicity**

Skin corrosion/irritation Causes skin irritation.

Serious eye damage/irritation Causes serious eye irritation.

Respiratory sensitizer No data available. Skin sensitization Not a skin sensitizer. Mutagenicity No data available.

Suspected of causing cancer. Carcinogenicity

ACGIH Carcinogens

Barium sulphate (CAS 7727-43-7) A4 Not classifiable as a human carcinogen.

STEEL-IT LVOC Epoxy Primer, Part "B" SDS GHS UN 4/6 Talc (CAS 14807-96-6) A4 Not classifiable as a human carcinogen. Titanium dioxide (CAS 13463-67-7) A4 Not classifiable as a human carcinogen.

IARC Monographs. Overall Evaluation of Carcinogenicity

Titanium dioxide (CAS 13463-67-7) 2B Possibly carcinogenic to humans.

Reproductive toxicity No data available. Specific target organ toxicity -

No data available.

single exposure

Specific target organ toxicity -

repeated exposure

May cause damage to organs (Lung) through prolonged or repeated exposure.

Test Results

No data available. **Aspiration hazard**

Vapors may cause drowsiness and dizziness. Skin and eye irritation. **Symptoms**

Organic solvents may be absorbed into the body by inhalation and cause permanent damage to Other information

the nervous system, including the brain.

12. Ecological information

Ecotoxicological data

Components **Species** 1,2,4-Trimethylbenzene (CAS 95-63-6)

Aquatic

Fish LC50 Fathead minnow (Pimephales promelas) 7.19 - 8.28 mg/l, 96 hours

1,3,5-Trimethylbenzene (CAS 108-67-8)

Aquatic

Fish LC50 Goldfish (Carassius auratus) 9.89 - 15.05 mg/l, 96 hours

4-hydroxy-4-methylpentan-2-one (CAS 123-42-2)

Aquatic

Fish LC50 Bluegill (Lepomis macrochirus) 420 mg/l, 96 hours

Barium sulphate (CAS 7727-43-7)

Aquatic

Crustacea EC50 Tubificid worm (Tubifex tubifex) 28.61 - 38.03 mg/l, 48 hours

Benzyl alcohol (CAS 100-51-6)

Aquatic

Fish LC50 Bluegill (Lepomis macrochirus) 10 mg/l, 96 hours

Ecotoxicity Harmful to aquatic life with long lasting effects.

Persistence / degradability No data available.

Bioaccumulation

Bioaccumulative potential

Octanol/water partition coefficient log Kow

4-hydroxy-4-methylpentan-2-one -0.098Benzyl alcohol 1.1

Mobility The product contains organic solvents which will evaporate easily from all surfaces.

No data available. Other adverse effects

13. Disposal considerations

Disposal methods Rags and the like, moistened with flammable liquids, must be discarded into designated fireproof

bucket.

Waste from residues / unused

products

Dispose of in accordance with local regulations.

Contaminated packaging Disposal recommendations are based on material as supplied. Disposal must be in accordance

with current applicable laws and regulations, and material characteristics at time of disposal.

14. Transport information

ADR

UN1263 **UN** number Proper shipping name Paint 3 **Hazard class** Ш **Packing group Environmental hazards**

Marine pollutant No **Tunnel restriction code** (D/E)

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Labels required 3

Special precautions Read safety instructions, SDS and emergency procedures before handling.

IATA

UN number UN1263
Proper shipping name Paint
Hazard class 3
Packing group III
Labels required 3

Special precautions Read safety instructions, MSDS and emergency procedures before handling.

IMDG

UN number UN1263
Proper shipping name Paint
Hazard class 3
Packing group III
Environmental hazards

Marine pollutant No
Labels required 3
EmS F-E, S-E

Special precautions Read safety instructions, MSDS and emergency procedures before handling.

RID

UN number UN1263
Proper shipping name Paint
Hazard class 3
Packing group III
Environmental hazards

Marine pollutant No Labels required 3

Special precautions Read safety instructions, SDS and emergency procedures before handling.

Transport in bulk according to Annex II of MARPOL 73/78 and

the IBC Code

No information available.

15. Regulatory information

Regulatory information This material safety data sheet was prepared in accordance with "Globally Harmonized System of

Classification and Labelling of Chemicals (GHS)".

Inventory status

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	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
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes
*A "Yes" indicates this product co	emplies with the inventory requirements administered by the governing country(s)	

16. Other information

DisclaimerThe information in the sheet was written based on the best knowledge and experience currently

available.

List of abbreviations Not available.

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