

SAFETY DATA SHEET

Section 1: Identification

Product Name: Elemental Coatings Ice-Lite 1212; Ice-Lite 2000; SurfEllent Anti-Icing Paint; AI-PU10-1K, AI-X; AI-H50

Chemical Name/Synonyms: Specialty coating containing various active ingredients plus solvents

Company: Elemental Coatings LLC.

UH Technology Park

5000 Gulf Freeway, Bldg 5, Rm 119,

Houston, TX, 77023

www.elementalcoatings.com

In emergency call 911.

For information about this SDS, contact (832) 303-7034; Mon-Fri 9 am – 5 pm CT

CHEMTREC: 800-424-9300 (24 hours)

Section 2: Hazard(s) Identification

See <https://www.sigmaaldrich.com/safety-center/globally-harmonized.html> for a list of hazard classifications, signal words, hazard statements, pictograms, precautionary statements, and a description of hazards.

Hazard Classification: Health, Physical, Environmental

OSHA Hazards

Flammable liquid, Target Organ Effect, Irritant

Target Organs

Peripheral nervous system, kidney, testes.

Signal Word(s): Danger

Hazard Statements:

H225 Highly flammable liquid and vapor.

H304 May be fatal if swallowed and enters airways.

H315 + H320 Causes skin and eye irritation.

H361 Suspected of damaging fertility or the unborn child.

H371 May cause damage to organs.

Pictograms:

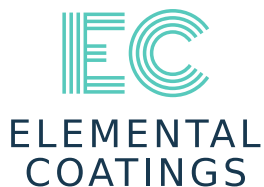


Precautionary Statements:

P210 Keep away from heat/sparks/open flames/hot surfaces. No Smoking.

P260 Do not breathe dust/fumes/gas/mist/vapors/spray

P281 Use personal protective equipment as required.



P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician
 P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P331 Do NOT induce vomiting.

Section 3: Composition/ Information on Ingredients

Chemical Name	Synonym	CAS#	Conc. (wt%)
Aliphatic polyisocyanate		Proprietary	25-35
Acrylic resin		Proprietary	25-35
Cured polyurethane microparticles		Proprietary	10-20
Solvent naphtha		Proprietary	15-20
Hexanes		110-54-3	10-15
n-butyl acetate		123-86-4	1-2
Ethyl acetate		141-78-6	1-2
Polydimethylsiloxane and fillers and auxiliaries and acetoxysilane cross-linker	PDMS		5-10
P-tert-butylphenyl 1-(2,3-epoxy) propyl ether		3101-60-8	<3
Triacetoxymethylsilane		4253-34-3	<2
Proprietary non-hazardous ingredients			<10



Section 4: First-Aid Measures

After skin contact: Wash thoroughly with soap and water.

After eye contact: Flush eyes immediately with plenty of water for at least 15 minutes and get medical attention.

After inhalation: If affected by inhalation of vapor or spray mist, remove to fresh air.

After swallowing: If swallowed, seek immediate medical attention. Do not induce vomiting.

Section 5: Fire-Fighting Measures

Suitable extinguishing agents: Use Carbon dioxide, foam, and/or chemical powder to extinguish any fire caused by the mixture. Do not use water in a jet

Products of combustion: Carbon dioxide and if combustion is incomplete, carbon monoxide and smoke. Nitrogen and oxides of nitrogen

Special hazards arising from the mixture: Excess pressure may form in containers exposed to fire at risk of explosion. Do not breathe combustion products.

Special protective equipment for firefighters: Self-contained breathing apparatus. Safety boots, non-flammable overalls, gloves, hat, and eye protection

Section 6: Accidental Release Measures

Measures for environmental protection: Avoid leakage into the sewer system or contact with surface water.

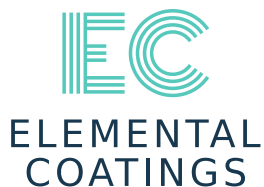
Measures for cleaning/collecting: Ventilate area. Avoid breathing of vapors. Use self-contained breathing apparatus or air mask for large spills in a confined area. Eliminate ignition sources. Remove with inert absorbent (sand, earth, vermiculite, or other inert absorbents; do not use sawdust) and non-sparking tools. Collect and seal in properly labeled containers for disposal. Prevent by whatever means possible any spillage from entering drains or sewers. Avoid contact with eyes.

Section 7: Handling and Storage

Handling: Keep away from heat, sparks and naked flame. If not kept in well ventilated areas, vapors might accumulate at ground level and if ignited, will catch fire. Do not eat, drink, or smoke during usage. Avoid leakage of the product into the environment.

Storage: Store only in the original container, with the lid tightly sealed. Keep in well ventilated area. Keep at room temperature 23 °C.

Section 8: Exposure Controls/Personal Protection



General protective and hygienic measures: Wear suitable protective clothing.

Breathing equipment: NIOSH-certified organic vapor (black cartridge) respirator.

Protection of hands: Handle with gloves.

Eye protection: Chemical goggles. Contact lenses should not be worn.

Inhalation: Vapor overexposure may cause drowsiness, injure the liver, and may irritate eyes, nose, and throat.

Skin Contact: On direct contact uncured product or its vapor may cause slight irritation to skin. Avoid repeated or prolonged skin contact.

Eye Contact: On direct contact uncured product or its vapor may cause irritation to eyes. Use safety glasses and/or chemical splash goggles if splashes are possible.

Section 9: Physical and Chemical Properties

Appearance: Clear slightly viscous liquid

Color: Colorless

Odor: Mild to moderate solvent

Flash Point: 32 deg C

Solubility: Immiscible with water

Auto-ignition temperature: Not determined

Explosive properties: Not explosive

Oxidizing properties: No data available

Boiling point: 159-170 deg C (solvent)

Section 10: Stability and Reactivity

10.1 Conditions to Avoid.

Avoid heating and all sources of ignition. Containers should be kept closed in order to avoid contamination.

10.2 Incompatibility.

Information not available.

10.3 Hazardous Decomposition Products.

By fire: CO₂, CO; Nitrogen and, under some circumstances, oxides of nitrogen.

10.4 Hazardous Polymerization.

None

10.5 Stability.

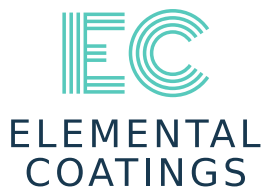
Stable under normal use and storage conditions

10.6 Reactivity.

None

10.7 Possibility of hazardous reactions.

Vapors might form an explosive mixture with air.



Section 11: Toxicological Information

Acute toxicity:

LC50 Oral - rat - 5000 mg/kg (estimated)

LC50 Inhalation - rat - 4 h - >5000 ppm

Potential routes of exposure/potential health effects

Skin:

Corrosion not classified. Estimated LD50 dermal is >2000 mg/kg

Irritation – rabbit: 500 mg/24H: mild irritant effect.

Eye: Not classified.

Inhalation: Not classified.

Ingestion: Not classified.

Carcinogenic effects: Not classified.

Mutagenic effects: Not classified.

Reproductive toxicity: Not classified.

Sensitization: This mixture is considered to be a contact sensitizer, because Aliphatic Polyisocyanate is known to be a contact sensitizer.

Target organs: Not classified

Section 12: Ecological Information (non-mandatory)

Toxicity to fish.

No data for the mixture. Solvent naphtha, light aromatic and Aliphatic Polyisocyanate are considered harmful to the aquatic environment.

Toxicity to daphnia and other aquatic invertebrates.

No data for the mixture. Solvent naphtha, light aromatic and Aliphatic Polyisocyanate are considered harmful to the aquatic environment.

Toxicity to algae.

No data for the mixture.

Section 13: Disposal Considerations (non-mandatory)

13.1 Disposal.

Comply with all Federal, State and Local Regulations for polymers disposing. Re-use when possible.

Section 14: Transport Information (non-mandatory)

Note

Limited quantity This product may be reclassified as Consumer Commodity, ORM-D, when shipped by ground; packaging quantity limitations apply.

**DOT**

Quarts and gallons ship as limited quantity. UN1263, Paint, 3, III

MEX

No data available

IMDG

UN1263, Paint, 3, III

IATA

UN1263, Paint, 3, III

Section 15: Regulatory Information (non-mandatory)**15.1 Safety, health and environmental regulations.****OSHA Hazards**

Flammable liquid, Target Organ Effect, Irritant

DSL Status

All components of this product are on the Canadian DSL list.

SARA 302 Components

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 311/312 Hazards

Fire Hazard, Acute Health Hazard, Chronic Health Hazard

California Prop. 65 Components

This product contains chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

Section 16: Other Information

The information accumulated herein is believed to be accurate but is not warranted to be whether originating with the company or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances.

SDS date of preparation/update: June 2020