



strongbonds
polyseal

Material Safety Datasheet

SECTION 1

IDENTIFICATION

Chemical Family

Cobalt Octoate Solution (2%)
(Cobalt 2-ethylhexanoate Mixture)

Manufacturer

Strongbonds Polyseal Pvt. Ltd

Address

P-26 C ; Block-D; Kalyani Industrial Estate
Nadia - 741235

West Bengal; India.

Telephone Number

+91 033 2582 3061

Fax Number

+91 033 25832130

Website

www.strongbondspolyseal.com

Email

strongbondpolyseal@gmail.com

SECTION 2

COMPOSITION / INFORMATION ON INGREDIENTS

Component

CAS No.

Proportion

Exposure Limit

Cobalt Octoate

13586-82-8

2 %

not assigned

Styrene Monomer

100-42-5

Remaining

50 ppm

SECTION 3

HAZARD IDENTIFICATION

Main Hazards

Styrene Flamable

SECTION 4

FIRST AID MEASURES

Eye Contact

Flush with plenty of water for several minutes. Seek medical attention.

Skin Contact

Wash contaminated skin thoroughly with soap and water.
Immediately remove contaminated clothing.

Inhalation

Inhalation of styrene Vapour may cause irritation to nose, throat, and respiratory tract. Over exposure may damage nervous system.

Ingestion

May cause irritation to the gastrointestinal track.
Drink plenty of water. Seek medical attention. Do not induce vomiting.

Carcinogenicity:

IARC states that cobalt compounds are possibly carcinogenic to humans.

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An ISO 9001 : 2015 Company

CIN No: U51909WB1990PTC049585

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City Office:

CD- 82, Salt Lake City,

Sector-I, Kolkata- 700064

Tel : 033 2334-8136



SECTION 5

FIRE FIGHTING MEASURES

Flammability

Styrene monomer, used as a solvent in UPR, is a highly flammable liquid.

Flash Point

105°C

Extinguishing Media

Dry powders, CO₂ and Foam.
Not to be used: Halones

Explosion Hazards

Generally non-explosive in optimum condition. Prolonged storage in presence of heat & light may initiate self polymerization, which may cause sudden rupture of container. Emits acrid black smoke and irritating fumes when heated to decomposition.

SECTION 6

ACCIDENTAL RELEASE MEASURES

Personal Protection

Avoid inhalation of styrene vapour. Wear protective clothing while cleaning spillages. Solvent-proof hand gloves for hand protection, masks for respiratory protection and eye goggles or face shield for eye protection.

Environmental Precautions

Prevent spilled materials from contaminating the clean water body.

Method of disposal

In case of material release, absorb it with suitable inert material and dispose the collected material as per WBPCB regulations.

SECTION 7

HANDLING AND STORAGE

Handling & use

Open container slowly to avoid sudden exposure of styrene vapour. Since solvent used in it is highly volatile always keep the container tightly closed after each use. Don't inhale styrene vapour.

Avoid direct skin contact. In case of insufficient ventilation at work place wear certified respiratory equipments.

Storage

Store in closed containers away from extreme heat, flame or strong oxidizing agents



SECTION 8

EXPOSURE CONTROLS / PERSONAL PROTECTION

Eye Protection

Wear chemical goggles

Skin Protection

Wear protective clothing

Respiratory Protection

Wear protective gloves to prevent skin contact.

Wear certified respirator

Environmental

As per WBPCB norms

Exposure Control

SECTION 9

PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Blue coloured liquid.

Odor

Aromatic styrene monomer

Specific gravity

0.97-1.0 @ 25°C

Boiling Point

>300 °C

Volatile Content

Max. 98%

Vapour pressure

Styrene : 4.5 mm Hg

Vapour Density

Styrene : 3.6 (Air = 1)

Flash Point

105°C

Solubility in water

Negligible

SECTION 10

STABILITY AND REACTIVITY

Stability

Stable under optimum atmospheric pressure & temperature

Reactivity

Highly reactive with strong oxidizing agent

Cause of instability agents.

Heat ; Thermal decomposition may produce carbon monoxide

Hazardous Decomposition Products

CO₂ , Styrene Vapour

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SECTION 11

TOXICOLOGICAL INFORMATION

Oral rat LD50 : 1300mg/Kg

Styrene vapour is hazardous to human health. Prolonged exposure may cause permanent damage to the nervous system, kidneys & liver.

SECTION 12

ECOLOGICAL INFORMATION

Degradation

Not biodegradable

SECTION 13

DISPOSAL CONSIDERATION

Waste Disposal

Waste to be disposed as per WBPCB norms, precautions to be taken in handling and storing as well as disposing. To be disposed off by WBPCB approved vendor in a disposal area away from the habitat.

SECTION 14

TRANSPORTATION INFORMATION

H.S.N. No.

32110000

Shipping Name:

FLAMMABLE LIQUID N.O.S , mixture

UN NO:

1933

Packing Group

III

ICAO/IATA :

DGR

SECTION 15

REGULATORY INFORMATION

According to MSIHC rule 1989 most raw materials used to prepare this resin are hazardous chemicals.

SECTION 16

OTHER INFORMATION

Date of Issue

14/01/01

Revision date

08/10/18

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