RP INDUSTRIAL SUPPLY

SAFETY DATA SHEET

FIRE POLY™ FP50CC · OSHA HCS 29 CFR 1910.1200 · Prepared to GHS

Restated from the manufacturer SDS effective 31 December 2022 (supersedes all previous). This sheet is compiled by RP Industrial Supply for customer and AHJ submittal. It restates published manufacturer and laboratory content. It is not the original laboratory instrument, not a manufacturer certificate, and not a website printout.

1. Product and company identification

Trade name	Fire Poly FP50CC
Article number	Flame Safe Fire Poly FP50CC
Product description	Fire-retardant coating for plastic, artificial Christmas trees
Manufacturer named on SDS	Flame Safe Chemical Corporation, 2653 Warfield Avenue, Fort Worth, Texas 76106
Manufacturer office / fax	(817) 740-9197 / (817) 740-9199
Emergency telephone on SDS	(817) 658-9197
Issued for submittal by	4theCycle LLC d/b/a RP Industrial Supply Intnl

2. Hazards identification

The product is not classified according to the Globally Harmonized System (GHS). GHS label elements, hazard pictograms, signal word, and hazard statements: Void.

NFPA (0–4)	Health 2 · Fire 0 · Reactivity 0
HMIS (0–4)	Health 2 · Fire 0 · Reactivity 0
PBT / vPvB	Not applicable

Other hazards noted on the SDS: phosphoric acid vapors may irritate the respiratory tract; repeated skin contact may cause irritation, dermatitis, or allergic reaction; severe exposure may cause nausea, pulmonary irritation, and loss of consciousness; may be fatal if swallowed; eye contact may cause redness, pain, conjunctivitis, and with severe exposure possible corneal destruction.

3. Composition / information on ingredients

Mixture. Description: mixture of the substances listed below with nonhazardous additions.

CAS	Component	Amount
7732-18-5	Water, distilled or of similar purity	50–70%
7664-38-2	Phosphoric acid 85%	< 20%
461-58-5	Cyanoguanidine	< 10%
57-13-6	Urea	< 3%

4. First-aid measures

- Inhalation: remove to fresh air; give oxygen or artificial respiration if necessary; seek medical attention.

- Skin: remove contaminated clothing; wash thoroughly with water at least 5 minutes; consult a physician if irritation persists.
- Eyes: rinse immediately with water at least 15 minutes; remove contact lenses; obtain medical examination.
- Swallowing: induce vomiting with salt water; call a physician; never give anything by mouth to an unconscious person.

5. Firefighting measures

Not combustible. Use water spray, dry chemical, alcohol foam, carbon dioxide, or other agents appropriate for materials in the surrounding fire. May liberate hydrogen gas on contact with some non-ferrous metals. Use SCBA and skin protection suitable for phosphoric acid.

6. Accidental release measures

Do not allow to enter sewers, surface water, or ground water. Confine and absorb on sand, sawdust, earth, or other available solids. Sweep into a suitable container. Dispose in compliance with federal, state, and local regulation.

7. Handling and storage

- Keep away from eyes. Avoid contact with skin or clothing. Wash after contact. Use only with adequate ventilation.
- Product is stable and non-combustible. Do not use or store near heat or open flame.
- May liberate hydrogen gas after long-term storage of liquid in metal containers. Store liquid only in stainless steel, plastic, or glass.
- Stable at normal storage conditions. Must not freeze.

8. Exposure controls / personal protection

Phosphoric acid 85% — PEL	1 mg/m³
Phosphoric acid 85% — REL / TLV	1 mg/m³ long-term; 3 mg/m³ short-term
Urea — WEEL	10 mg/m³
Respirator	NIOSH/MSHA approved respirator suitable for inorganic acids and organic vapors if proper ventilation cannot be provided
Hands	Impervious gloves (rubber or neoprene)
Eyes	Protective glasses or goggles

9. Physical and chemical properties

Form / color / odor	Liquid · Milky · Yes (moderate)
pH	2.8 – 3.4
Melting / boiling	N/A / 208°F to 212°F
Flash point	Non-flammable
Auto-ignition / explosion	Not self-igniting · Does not present an explosion hazard
Vapor pressure (20°C)	17 mm Hg
Solubility in water	Soluble in liquid state
Organic solvents	0.0%
Water / solids	54% / 46%

10. Stability and reactivity

No decomposition if used according to specifications. No dangerous reaction known. Stable at normal storage conditions. Incompatible with strong oxidizers, alkalis, or acids. Slowly reacts with some non-ferrous metals.

11–15. Toxicology, ecology, disposal, transport, regulation

- Toxic when dry: none, per manufacturer SDS.
- Do not allow product to reach ground water, water course, or sewage system.
- Dispose in accordance with federal, state, and local regulations.
- Transport: follow applicable dangerous-goods rules for the mixture as shipped. SDS lists standard ADR / IMDG / DOT / IATA acronyms; the product is not GHS-classified.
- Proposition 65: none of the listed ingredients is identified as causing cancer, reproductive, or developmental toxicity on the SDS. EPA / ACGIH TLV / NIOSH-Ca / OSHA-CA carcinogenic listings: none of the ingredients is listed.
- A chemical safety assessment has not been carried out.

16. Other information

Effective date on source SDS: 31 December 2022. The source SDS states the information is based on present knowledge and shall not constitute a guarantee for any specific product features or a legally valid contractual relationship. No warranty of merchantability or fitness is expressed or implied.

Always read the current manufacturer SDS before use, storage, or shipment.