

# Material Safety Data Sheet

#124

## SECTION I — IDENTITY AND MANUFACTURER'S INFORMATION

Manufacturer's  
Name

HILLYARD CHEMICAL COMPANY

Product  
Name

CSP CLEANER

Address

302 North Fourth Street  
St. Joseph, MO 64502

Date

Prepared January 19, 1987

Emergency Telephone No.

And Other Information Calls (816) 233-1321

Prepared by Regulatory Affairs Department

## SECTION II — HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

Hazardous Components (Specific Chemical Identity: Common Name(s))	CAS #'s	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (Optional)
Phosphoric acid	7664-38-2	1 mg/M <sup>3</sup>	1 mg/M <sup>3</sup>	N/A	5-8

## SECTION III — PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point	184°F	Specific Gravity (H <sub>2</sub> O = 1)	1.091
Vapor Pressure (mm Hg.)	N/A	Percent Volatile By Volume (%)	93 ± 1
Vapor Density (AIR = 1)	< 1	Evaporation Rate (ether = 1)	< 1
Solubility in Water	appreciable	Appearance and Odor	Pink, light-bodied liquid; lemon odor

## SECTION IV — FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used) none (P.M.C.C.)	Flammable Limits	LEL N/A	UEL N/A
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Extinguishing Media

Carbon dioxide, foam or dry chemical.

Special Fire Fighting Procedures

Hot phosphoric acid is corrosive. Wear protective clothing to avoid contact with skin or eyes.

Unusual Fire and Explosion Hazards

Keep away from heat, sparks and open flame. May generate hydrogen gas in contact with some metals.

## SECTION V — PHYSICAL HAZARDS

Stability	Unstable <input type="checkbox"/>	Conditions
	Stable <input checked="" type="checkbox"/>	to Avoid N/A

Incompatibility

(Materials to Avoid)

Corrodes some metals and alloys. Incompatible with cyanides and strong alkalis.

Hazardous Decomposition

Products Or Byproducts

Hydrogen gas from contact with some metals

Hazardous	May Occur <input type="checkbox"/>	Conditions
Polymerization	Will Not Occur <input checked="" type="checkbox"/>	To Avoid N/A

#124, CSP Cleaner

## SECTION VI — HEALTH HAZARD DATA

Route(s) of Entry: Inhalation? yes (mist) Skin? N/A Ingestion? yes

Health Hazards (1. Acute and 2. Chronic)

1. May cause eye irritation.

2. Long term exposure to skin may produce skin irritation.

Chemical Listed as Carcinogen  
or Potential Carcinogen

National Toxicology  
Program

Yes ☐  
No ☒

I.A.R.C.  
Monographs

Yes ☐  
No ☒

OSHA Yes ☐  
No ☒

Signs and Symptoms of Exposure

Can cause eye irritation. Harmful if swallowed; burns on mouth and lips, sour acid taste; severe gastrointestinal irritation, nausea, vomiting.

Medical Conditions

Generally Aggravated by Exposure

N/A

Emergency and First Aid Procedures

If swallowed, immediately give large amounts of water and call a physician, hospital emergency room or poison control center. In case of contact, immediately flush eyes or skin with plenty of water for 15 minutes; remove contact lenses and flush eyes again with water. For eyes, CALL A PHYSICIAN. Remove and wash all contaminated clothing before reuse.

## SECTION VII — PRECAUTIONS FOR SAFE HANDLING AND USE

Steps To Be Taken In Case Material Is Released Or Spilled

Collect spilled acid in most convenient and safe manner (liquid absorbed in vermiculite, dry sand or similar material) or disposal in a secured sanitary landfill.

Waste Disposal Method

Classified as corrosive material per EPA definition of hazardous waste (due to pH of 1.3); dispose of concentrated material in accordance with local pollution regulations.

Precautions To Be Taken In Handling And Storing

Keep container closed when not in use.

Other Precautions

Contact lenses should not be worn when working with this chemical.

## SECTION VIII — CONTROL MEASURES

Respiratory Protection (Specify Type)

N/A

Ventilation

Local  
Exhaust

if required  
to maintain TLV

Mechanical  
(General)

acceptable

Special

N/A

Other

N/A

Protective Gloves

acid resistant rubber for prolonged use

Eye Protection

chemical safety glasses

Other Protective Clothing Or Equipment

N/A

Work/Hygienic Practices

Wash thoroughly from skin.

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