

PRODUCT DATA SHEET

Opti-Code™ Medical Gas Pipe Markers

- Self-adhesive pipe markers identifies pipes carrying medical-grade gases to reduce the chance of error and confusion
- Individual style Medical Gas Pipe Markers allow for marking each pipe with exact content without having to purchase large quantities



3 Types of Pipe Marker Installation



Description: Seton's Medical Gas Pipe Markers are made of durable 5 mil pressure-sensitive vinyl, overlaminated for added protection against chemicals and weathering.

Use: For use in clearly marking pipes containing hazardous materials classified as medical gasses.

Adhesive Type: Acrylic pressure sensitive.

Substrate Type: Plastic film with a clear overlaminate.

Standard Legend Colors: Black and White

Standard Material Colors: Black, Blue, Brown, Gray, Green, Orange, Purple, White and Yellow

Thickness (PSTC-33): Total 0.005 in. (0.125mm).

Gloss: 50 Gardner Units.

Standard Sizes:	Marker Size	Fits Pipe Outer Diameter	Length Color Field	Letter Height
	8SM	3/4" - 1-3/8" (19mm - 35mm)	8" (203mm)	1/2" (13mm)
	12	2-1/4" - 7-7/8" (64mm - 200mm)	12" (305mm)	1-3/4" (32mm)

Adhesive Properties: Adhesion to steel (PSTC-1)
 15 min. dwell (Avg)—20 oz/in. (19 N/100 mn)
 Ultimate (72 hrs. dwell) (Avg)—35 oz/in.(38 N/100)
 Tack (ASTM D-2979) (Avg)—750g (7.2 N)
 Drop shear (PSTC-7) (Avg.)—4 hrs.

Minimum Application Temperature: 50°F (10°C).

Date: ___ / ___ / ___ Job: _____

Contractor _____

PRODUCT DATA SHEET**Medical Gas Pipe Markers** (continued)**Service Temperature:** -40°F to 248°F (-40°C to 120°C).**Average Outdoor Durability:** 5 years (Average expected outdoor life of product will depend on user definition of failure, climactic conditions).

Chemical Resistance:	Reagent	7 day Immersion	Dip Test	Rub Test
	30% Sulfuric Acid	NE	NE	NE
	10% Sulfuric Acid	NE	NE	NE
	30% HCL	NE	NE	NE
	10% HCL	NE	NE	NE
	50% NaOH	F	NE	NE
	10% NaOH	F	NE	NE
	Acetic Acid	NE	NE	NE
	5% Acetic Acid	NE	NE	NE
	10% Ammonia	NE	NE	NE
	Methyl Ethyl Ketone	F	F	NE
	Acetone	F	F	NE
	Methanol	F	NE	NE
	1,1,1, Trichloroethane	F	F	NE
	IPA (Isopropanol)	F	NE	NE
	ASTM #3 Oil	NE	NE	NE
	SAE 20 Oil	NE	NE	NE
	Mineral Spirits	F	F	NE
	Diesel Fuel	F	NE	NE
	Heptane	F	NE	NE
	Toluene	F	F	NE
	Alconox	NE	NE	NE
	Kerosene	F	NE	NE
	20% Sodium Carbonate	NE	NE	NE
	2% Sodium Carbonate	NE	NE	NE
	10% NcCl	NE	NE	NE
	Bleach	NE	NE	NE
	Water	NE	NE	NE

NE: No Effect F: Failed

7 Day Immersion: Immersed in reagent for 7 days.**Dip Test:** Five 10 minute dips in reagent with 30 minute recovery.**Rub Test:** Rubbed sample for one minute with swab soaked in reagent.**Shelf Life:** 1 year when stored at 70°F (21°C) and 40% to 50% R.H.