



The Penray Companies, Inc.

www.penray.com 440 Denniston Court, Wheeling, IL 60090-4731 Ph. 800.373.6729 Fx. 800.634.0276

Penray Product Bulletin

# Part No. 2214 GUM-SOLVE® Carburetor And Choke Cleaner

## General Description

Helps restore carburetor performance by removing gum, varnish, carbon deposits and dirt build-up. Cleans and frees automatic chokes, carburetor linkage, fuel injection intake systems, manifold heat controls and PCV smog valve.

## Product Benefits

Helps restore carburetor performance by removing gum, varnish, carbon deposits and dirt build-up

- Cleans and frees linkages, cables, and actuators, fuel injection intake systems and PCV valves
- Safe for oxygen sensors and catalytic convertors
- Not recommended for use on plastic parts or painted surfaces
- 50 state formula

## Directions

**AUTOMATIC CHOKES:** Remove air cleaner, disconnect heat riser tube, remove choke cover, but first mark position, take out baffle plate. Spray contents on the vacuum piston and cylinder and then on both ends of choke value shaft. Keep working choke until it becomes free. Start engine and spray the piston and cylinder while working the choke by hand. Replace baffle plate, choke cover, heat riser tube and air cleaner.

**CARBURETOR LINKAGE:** Spray on dirty or oily linkage, let set for a few seconds and flush off by spraying again.

**FUEL INJECTION INTAKE SYSTEMS:** Dismantle and/or access fuel injection air and fuel intake systems. Spray liberally to instantly dissolve baked on gum, carbon, soil and resin deposits.

**MANIFOLD HEAT CONTROLS:** Spray on exposed part of heater valve shaft while engine is cold. Let fluid penetrate, then move counterweight up and down until valve is free.

**PCV SMOG VALVE:** Disconnect crankcase side of PCV valve, leave vacuum side connected. Apply by inserting snorkel tube into open end of valve while working valve, let soak for 3 minutes. Start engine and spray again into valve to completely flush valve out. Reconnect, idle for a few minutes.

## Handling

Wash thoroughly after handling. Do not get into eyes, on skin or on clothing. Do not smoke while using the product. Do not use near excessive heat, sparks, or open flame.

Store in clean, dry locations away from excessive heat. Store in areas designated for the storage of level III aerosols according to NFPA 30B (Manufacturing and storage of aerosol products.)

## Physical Data

**APPEARANCE/ODOR:** Amber colored, Petroleum odor

**PHYSICAL STATE:** Aerosol

**VAPOR DENSITY:** Heavier than air

**PROPELLANT:** Carbon Dioxide

**AEROSOL FLAMMABILITY LEVEL:** EXTREMELY FLAMMABLE

**DOT PROPER SHIPPING NAME:** Consumer Commodity  
ORM-D

**VOC COMPLIANT FOR CA & OTC:** 100% in all U.S. states



Distributed by:



The Penray Companies, Inc.

Part No. 2214  
**GUM-SOLVE®**  
 Carburetor And Choke Cleaner

www.penray.com 440 Denniston Court, Wheeling, IL 60090-4731 Ph. 800.373.6729 Fx. 800.634.0276

Penray Product Bulletin

SHIPPING INFORMATION							
Part #	Net Wt	Liquid or Aerosol	Qty/Cs	Lbs/Cs	Cs/Pal	Cs/ Layer	Layer/ Pal
2214	15 OZ	AEROSOL	12	15.0	147	21	7

SHIPPING INFORMATION								
PART #	Case (Inches)			Unit (Inches)			UPC Codes	
	Length	Depth	Height	Length	Depth	Height	Individual	Case
2214	11.0	8.25	9.75	2.69	2.69	9.56	0-92443-22140-1	0-00 -2443-22142-5