

SOLO|RI™

Long Term Carbon Steel Corrosion Inhibitor

Applications

SOLO | RI™ Carbon Steel Corrosion Inhibitor provides a cost-effective solution to corrosion problems **by delivering a Long Term protective shield to targeted metals**. Supplied as a concentrated liquid formula **designed for long term and extra rust protection** of Cast IRON and steel metals for an extended period of time (weeks and months) under reasonable plant storage and / or protected shipping conditions. The chemical film formed is thin and typically transparent when dry. Application methods for this product includes spray, brush or immersion. The film does not need to be removed prior to subsequent operations, but if removal is necessary, it is done easily with distilled rinse water.

- ~ Prevents corrosion (formation of oxide on Cast IRON & STEEL exposed to the atmosphere at both ambient and elevated temperature).
- ~ Prevents uniform general attack and tarnishing, as well as, complex reactions such as pitting, corrosion fatigue, stress corrosion, etc.
- ~ **It is also applicable in closed cooling systems**

Environmentally
Safe

Non-HAPs

Zero VOC

Non-
Combustible

Non-Caustic

Biodegradable

General Properties

SOLO | RI™ Carbon Steel Corrosion Inhibitor does not contain Mineral Spirits, Sodium Nitrile Silicates, Phosphates, Mineral Spirits, Phenols, or Chrome Compounds. No SARA 313, non-Hazardous, non-Corrosive, non-carcinogenic, non-mutagenic, non-teratogenic.

Application Process

Depending on Protection, effectiveness, timeframe (1week, 1month, 1 year, etc.), dilute down the product with water at 2%, 5%, 10% and 20% concentration at an **operating temperature of 68 - 110 °F**.

Application Method (dip, spray, brush, immersion)

Applicable for all type of protection (in process, storage or shipping)

(NOT SUITABLE FOR DRINKING WATER STORAGE TANKS)



Typical Properties

Appearance:	Clear yellow water thin liquid
Flash Point:	>200 Seta Flash
Odor:	Mild
Surface Tension (dynes/cm 24) (water = 1.0):	24
pH (Full Strength):	11.0 - 11.30
pH (10% solution in water @ 68 °F):	10.40-10.60
Ideal Operating Temp (°F):	68°F - 110°F
Ideal Operating Concentration:	varries
Specific Gravity (@ 68 °F)	1.1053 - 1.1063
Weight/Gal. (lbs. /gal.)	9.21 - 9.22

Safety and Handling Precautions

SOLO | RI™ Carbon Steel Corrosion Inhibitor Direct contact **may cause** a mild skin or eye irritation, it is important to utilize recommended gloves (18 mil thick natural rubber), safety goggles and other suitable protective clothing your company recommends. Harmful if inhaled or swallowed. Do Not take internally. Keep out of reach of children; **Use product with adequate ventilation.** If splashed in eyes or on skin, wash off with plenty of water. If swallowed remove from exposure area, do not induce vomiting, washout mouth thoroughly with water and drink several glasses of water. Keep at rest. Call a physician immediately.

Refer to material safety data sheet prior to use.

Disposal

Solutions containing hazardous or non hazardous oils, grease, cutting fluids and other contaminants should be handled and treated according to Federal, State and Local Environmental Laws. Even though **SOLO | RI™ Carbon Steel Corrosion Inhibitor** is biodegradable, the spent material should not be disposed of in any sewerage system. Discharge your waste and rinse water according to Federal, State and Local Regulations.

Storage/Packaging

Packaged in HDPE UN Rated 1, 5 gallon pails, and 55 gallon drums. This product should be kept in its original container above freezing and less than 100 °F. **Store drums in a dry area.**

HMIS Rating

Health 1 Fire 0 Reactivity 0

Global Specialty Products - USA, Inc.

10 Eagle Avenue, Suite 500 - Mount Holly, New Jersey 08060-1649
Phone: 609-518-7577 Fax: 609-518-5277 www.gsp-usa-inc.com

MAY 2015