Material Safety Data Sheet

Iron in Water (RXSOL-62-6271-001)

1. Product and Company Identifaction

Product Name	Iron Indicator Solution
Product Type	RXSOL-60-6271-500

Company Details:

RX MARINE INTERNATIONAL
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2. Composition / informationon ingredients

SARA 313 Component	CAS Number	Percent Comp.	Dimension	Exposure Limits
N-Propoxy Propanol Prop Glycol Propyl Ether	CAS#1569-	30-	V/V	OSHA TWA 1000 ppm(2400 mg/mƒ)
Salicylic Acid	CAS# 69-72-7	1 - 3%	V/V	TXDS: orl-rat LD••: 891 mg/Kg
Triethanolamine 99%	CAS# 102-71-6	2 - 5%	V/V	OSHA TWA50 ppm (270mg/mƒ)
Water, Deionized ASTM Type II	CAS# 7732-18-5	Balance	V/V	None Established

3. Hazards Identification

Keep away from heat and ignition sources. Harmful if swallowed. Avoid breathing vapors. Use with adequate ventilation. Avoid contact with eyes, skin, and clothes. Wash thoroughly after handling. Keep container

Emergency Overview: Warning! If Swallowed, Inhaled Or Absorbed Through Skin. Affects Central Nervous System, Kidneys, And Pancreas. Causes Irritation To Skin, Eyes And Respiratory Tract.

Inhalation: Inhalation may cause coughing, sneezing, dizziness, and shortness of breath may occur.

Ingestion: May cause moderate irritation of the mouth, throat esophagus, and stomach, with abdominal and chest discomfort, nausea, vomiting, diarrhea, dizziness, and faintness. Fatalities resulting from respiratory or cardiovascular failure are known. Mean lethal dose of salicylates is between 20 and 30 grams.

Skin: Mild irritant. May cause skin rash in sensitive individuals.

Eye Contact: Liquid, vapor, and mist may cause discomfort in the eye with persistent conjunctivitis,
seen as slight excess redness of conjunctiva. Serious corneal injury is not anticipated.

Chronic Exposure: Central nervous system disturbances such as rapid breathing, confusion and even convulsions may develop. Kidneys and pancreas can be affected by prolonged ingestion.

Aggravated by Exposure: Persons with Pre-Existing Skin Disorders or Eye Problems or Impaired Respiratory Function, or Impaired Liver or Kidney Function may be more Susceptible to the effects of this agent.

4. First Aid Measures

Keep away from heat and ignition sources. Harmful if swallowed. Avoid breathing vapors. Use with adequate ventilation. Avoid contact with eyes, skin, and clothes. Wash thoroughly after handling. Keep container closed.

SKIN:	Remove contaminated clothing. Wash exposed area with soap and water. if irritation persists, seek medical attention.
EYES:	Wash eyes with plenty of water for at least 15 minutes, lifting lids occasionally. Seek Medical Aid.
INHALATION:	Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen
INGESTION:	If swallowed, induce vomiting immediately after giving two glasses of water. Never give anything by mouth to an unconscious person.

5. Fire-fighting Measures

Fire Extinguisher Type:	dry chemical, alcohol resistand foam,carbon dioxide
Fire / Explosion Hazards:	Toxic gases and vapors may be released if involved in a fire
Fire Fighting Procedure:	Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and clothing

6. Accidental Release Measures

Ventilate area. Absorb spill with inert material, then place in a chemical waste container. Dispose of in a manner consistent with federal, local law.

Ventilate area or Leak or Spill. Remove all Sources of Ignition.Wear Appropriate Personal Protective Equipment as Specified in Section 8. Isolate Hazard Area. Keep Unnecessary and Unprotected
from Entering. Contain and Recover Liquid when Possible. Use Non-Sparking Tools and Equipment. Collect Liquid in an Appropriate Container or Absorb with an Inert Material (e.g., Vermiculitem Dry Sand, Earth) and Place in a Chemical WasteContainer. Do Not Use Combustible Materials. Such as Saw Dust. Do Not Flush to Sewer! US Regulations (CERCLA) Require Reporting Spills and Releases to Soil, Water and Air in Excess of Reportable Quantities

7. Handling and Storage

Store in a cool dry place. Do not get in eyes, on skin,on clothing. Wash thoroughly after handling. Protect
from physical damage and where a fire hazard may be acute. Do not pressurize, cut, weld braz.

8. Exposure controls and personal protection

Respiratory Protection	None required
Ventilation	Local
OTHER	Mechanical
Protective Gloves	Gloves to prevent skin exposure as rubber or vinyl
EYE PROTECTION	Splash Goggles
Other Protective Equipment	Wear appropriate clothing to prevent skin exposure

9. Physical and chemical properties

BOILING POINT	Approx 302°
VAPOR PRESSURE	Not available
MELTING POINT	Information not available
VAPOR DENSITY	Not available
EVAPORATION RATE	Information not available
Appearance /Odors	Clear liquid,slight alcoholodor

Flash Point	> 230° F(>110° C)
Specific Gravity	1.0
Percent Volatile by Evaporation Standard	information not available
Auto Ignition Temp	> 780° F (>415° C)
Lower Flamm. Limit in Air	Not applicable
Upper Flamm. Limit in Air	Not applicable
Solubility in Water	Soluble

10. Stability and reactivity

STABILITY	Stable
CONDITIONS TO AVOID	High temperatures, Light
MATERIALS TO AVOID	High temperatures, Light
HAZARDOUS DECOMPOSITION PRODUCTS	oxides of carbon, nitrogen
HAZARDOUS POLYMERIZATION	will not occur
Conditions to Avoid	None known

11. Toxicological information

Carcinogenic References: NTP Carcinogen - Known: No, IARC Category -- None

12. Ecological information

Environmental Fate: When Released to the Soil and Water, this Material may Evaporate to Moderate Extent. When Released into the Soil, This Material may Leach into Groundwater. When Released into the water, This Material is Expected to have a Half Life Between 1 and 10 Days.

Environmental Toxicity: No Information Found.

13. Disposal considerations

Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility. Precessing, use or contamination of this product may change the waste management options, State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.

14. Transport information

DOT Classification: Not Regulated

DOT Regulations may change from time to time. Please consult the most recent D.O.T. regulations.

15. Regulatory information

Components listed on TSCA Inventory.

16. Other information

Warning! Harmful if swallowed, inhaled or absorbed through skin. Affects CNS, kidneys and pancreas. Causes irritation to skin, eyes and respiratory tract. Conditions aggravated/target organs: Persons
with pre-existing skin, eye or respiratory disorders are more susceptible. Overexposure symptoms. Acute: irritation to skin, eyes, mucous membranes, and GI tract. Effects of overexposure. Chronic: CNS Disturbances such as rapid breathing, confusion and even confulsions may develop. Kidneys and pancreas can be affected by prolonged ingestion. Persons with pre-existing

Flammability Health Reactivity

Revisions	NFPA
	0
8/2/2010	0.1 updated msds to 16 section from 10 section msds. STN

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