



## SAFETY DATA SHEET

### JOHN™ 647L

Medium body low VOC ABS solvent cement

#### SECTION 1 – PRODUCT AND COMPANY INFORMATION

**Product Name**

John 647L Low VOC

**Product Codes**

55938, 55940, 55942, 55944, 55946

**Chemical Family**

Organic

**Use**

ABS solvent cement

**Manufacturer's Name**

The RectorSeal Corporation  
2601 Spenwick Drive  
Houston, Texas 77055 USA

**Date of Validation**

January 23, 2015

**Date of Preparation**

October 27, 2014

**HMIS Codes**

Health	2
Flammability	3
Reactivity	0
PPI	B

**Emergency Telephone No.**

Chemtrec 24 Hours  
(800)-424-9300 USA  
(703)-527-3887 International

**Technical Service Telephone No.**

(800)-231-3345 or (713)-263-8001

#### SECTION 2 – HAZARDS IDENTIFICATION

##### GHS CLASSIFICATION

**Physical Hazards**

Flammable Liquid, Category 2

**Health Hazards**

**Acute Toxicity:**

Skin Corrosion/Irritation: Category 3  
Serious Eye Damage/Eye Irritation: Category 2A  
Skin Sensitization: Not Classified  
Respiratory Sensitization: Not Classified  
Germ Cell Mutagenicity: Not Classified  
Carcinogenicity: See Section 11  
Reproductive Toxicology: Not Classified  
Target Organ Systemic Toxicity - Single Exposure: Category 3  
Target Organ Systemic Toxicity - Repeated Exposure: Not Classified

Aspiration Toxicity: Not Classified

## GHS Label elements, including precautionary statements



GHS02: Flammable  
 GHS08: Health Hazard  
 Signal Word: **Danger**

### Hazard Statements:

H225 - Highly flammable liquid and vapor  
 H302 - Harmful if swallowed.  
 H316 - Causes mild skin irritation.  
 H319 - Causes serious eye irritation  
 H335 + H336 - May cause respiratory irritation, and drowsiness or dizziness.

### Precautionary Statements:

P102 - Keep out of reach of children.  
 P210 - Keep away from heat/sparks/open flames/hot surfaces. No smoking.  
 P240 - Ground/Bond container and receiving equipment.  
 P261 - Avoid breathing dust/fume/gas/mist/vapors/spray.  
 P262 - Do not get in eyes, on skin, or on clothing.  
 P264 - Wash hands thoroughly after handling.  
 P280 - Wear protective gloves/protective clothing/eye protection/face protection.  
 P301 + P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.  
 P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P362 - Take off contaminated clothing and wash before reuse.

EUH066 - Repeated exposure may cause skin dryness or cracking

Precautionary Statements - EU No. 1272/2008

## Summary Of Acute Hazards

Overexposure may cause coughing, shortness of breath, dizziness, central nervous system depression, intoxication and collapse. It may cause irritation to the respiratory tract and to other mucous membranes.

## Route Of Exposure, Signs And Symptoms

### INHALATION

Overexposure may cause coughing, shortness of breath, dizziness, central nervous system depression, intoxication and collapse. It may cause irritation to the respiratory tract and to other mucous membranes.

### EYE CONTACT

Severely irritating. If not removed promptly, will injure eye tissue, which can result in permanent damage.

### SKIN CONTACT

Frequent or prolonged contact may irritate and cause dermatitis. Low order of toxicity.

### INGESTION

Low order of toxicity. Small amounts of the liquid aspirated into the respiratory system during ingestion, or from vomiting, may cause bronchiopneumonia or pulmonary edema.

**SUMMARY OF CHRONIC HAZARDS**

Repeated or prolonged exposure may cause signs of central nervous system depression and respiratory irritation. This material has been shown to induce tumors in laboratory animals.

**MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE**

Individuals with pre-existing or chronic diseases of the eyes, skin, respiratory system, cardiovascular system, gastrointestinal system, liver, or kidneys may have increased susceptibility to excessive exposure.

**SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS**

**Ingredient:** Methyl Ethyl Ketone

Percentage By Weight: 20-85

CAS Number: 78-93-3

EC#: 606-002-00-3

**Ingredient:** Acetone

Percentage By Weight: 0-25

CAS Number: 67-64-1

EC#: 200-662-2

**SECTION 4 – FIRST AID MEASURES**

- If inhaled: If overcome by exposure, remove victim to fresh air immediately. Give oxygen or artificial respiration as needed. Obtain emergency medical attention. Prompt action is essential.
- If on skin: Immediately flush with large amounts of water; use soap if available. Remove contaminated clothing.
- If in eyes: Immediately flush with large amounts of water for at least 15 minutes. Get prompt medical attention.
- If swallowed: If swallowed, DO NOT induce vomiting. Keep at rest. Get prompt medical attention.

**SECTION 5 – FIRE FIGHTING MEASURES****Extinguishing Media**

Foam, dry chemical, carbon dioxide or water fog.

**Special Fire Fighting Procedures:** Wear self-contained breathing apparatus (SCBA) and other protective clothing. Hazardous decomposition products possible (see Section 10).

**Unusual Fire And Explosion Hazards:** Extremely flammable – very low flash point. Vapors are heavier than air and may travel along ground or to low spots at considerable distance to a source of ignition resulting in potential flashback. Burning liquid may float on water. Heat may build up pressure and rupture closed containers.

## SECTION 6 – ACCIDENTAL RELEASE MEASURES

**Steps To Be Taken In Case Material Is Released Or Spilled:** Remove all sources of ignition. Use absorbent materials to prevent footing hazard and to contain. Ventilate area with natural or explosion-proof, forced air ventilation. Avoid flushing into sewers, drains, waterways, and soil. Wear protective clothing and respiratory protection during cleanup.

## SECTION 7 – HANDLING AND STORAGE

**Precautions To Be Taken In Handling And Storing:** Keep container closed and upright when not in use. Do not store near heat, sparks, or open flames. If transferring this material to other containers, ground all containers to avoid static electricity buildup and discharge which may ignite flammable vapors.

**Other Precautions:** Avoid prolonged or repeated contact with skin or clothing. Empty containers may contain residues; treat as if full and observe all products precautions. Do not reuse empty containers.

KEEP OUT OF REACH OF CHILDREN.

## SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredient	Units
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**Methyl Isobutyl Ketone**

ACGIH TLV:	200 ppm
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OSHA PEL:	200 ppm
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STEL:	300 ppm
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**Acetone**

ACGIH TLV:	500 ppm
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OSHA PEL:	1000 ppm
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STEL:	750 ppm
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**Respiratory Protection (Specify Type):** In confined poorly ventilated areas, use NIOSH/MSHA approved air purifying or supplied air purifying or supplied air respirators.

**Ventilation – Local Exhaust:** Acceptable

**Special:** Explosion-proof equipment.

**Mechanical (General):** Preferable

**Other:** N/A

**Protective Gloves:** Wear rubber gloves.

**Eye Protection:** Chemical splash goggles (ANSI Z-87.1 or equivalent)

**Other Protective Clothing Or Equipment:** Coveralls recommended.

**Work/Hygienic Practices:** Where use can result in skin contact, wash exposed areas thoroughly before eating, drinking, smoking, or leaving work area. Launder contaminated clothing before reuse.

## SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Boiling point:	151°F (66°C) @ 760 mmHg
Specific gravity (H <sub>2</sub> O = 1):	< 1.0
Vapor pressure (mmHg):	129 @ 68°F (20°C)
Melting point:	N/A
Vapor Density (Air = 1):	2.5
Evaporation rate (Ethyl Acetate = 1):	8 – 14.5
Appearance/Odor:	Liquid/Pungent odor
Solubility in water:	Soluble
Volatile Organic Compounds (VOC) Content (theoretical percentage by weight):	325 g/L per SCAQMD Test Method 316A
Flash point:	4.1°F (-17°C)
Lower explosion limit:	1.8%
Upper explosion limit:	10%

## SECTION 10 – STABILITY AND REACTIVITY

**Stability:** Can form potentially explosive peroxides upon long standing in air.

**Conditions To Avoid:** Heat, sparks, open flames, and strong oxidizing, acidic and basic conditions.

**Incompatibility (Materials To Avoid):** Oxidizers, acids and bases.

**Hazardous Decomposition Products:** CO, CO<sub>2</sub>, HCl and fragmented hydrocarbons.

**Hazardous Polymerization:** Will not occur.

## SECTION 11 – TOXICOLOGY INFORMATION

**Chronic Health Hazards**

No ingredient in this product is an IARC, NTP or OSHA listed carcinogen.

## Toxicology Data

## Ingredient Name

**Methyl Isobutyl Ketone**

Oral-Rat LD50:	2737 mg/kg
Inhalation-Rat LC50:	23,500 mg/m <sup>3</sup> /8H

**Acetone**

Oral-Rat LD50:	5800 mg/kg
Inhalation-Rat LC50:	50,100 mg/m <sup>3</sup>

## SECTION 12 – ECOLOGICAL INFORMATION

**Ecological Data**

Ingredient Name:	<b>Methyl Isobutyl Ketone</b>
Food Chain Concentration Potential	None
Waterfowl Toxicity	N/A
BOD	214%
Aquatic Toxicity	5640 mg/L/48 hr/bluegill/TLm/fresh water
Ingredient Name:	<b>Acetone</b>
Food Chain Concentration Potential	None
Waterfowl Toxicity	N/A
BOD	N/A
Aquatic Toxicity	LC50/96-hour for fish > 100 mg/L

## SECTION 13 – DISPOSAL CONSIDERATIONS

**Waste Classification:** RCRA classified hazardous waste. Dispose of absorbed materials and liquid waste in approved, controlled incineration facility in accordance with all local, state and federal regulations.

**Disposal Method:** Incineration.

## SECTION 14 – TRANSPORTATION INFORMATION

DOT:	UN1133, Adhesives, Class 3, PG II, ERG#127. Quarts and less: Consumer Commodity, ORM-D
Ocean (IMDG):	UN1133, Adhesives, Class 3, PG II, EMS-No: F-E, S-D Quarts and less: Adhesives, Class 3, UN 1133, PG II, Limited Quantities or Ltd. Qty.
Air (IATA):	UN1133, Adhesives, Class 3, PG II, ERG#127
WHMIS (Canada):	Class B-2

## SECTION 15 – REGULATORY INFORMATION

**Regulatory Data**

Ingredient Name: **Methyl Ethyl Ketone**  
SARA 313 Yes  
TSCA Inventory Yes  
CERCLA RQ 5,000 lb.  
RCRA Code U159

Ingredient Name: **Acetone**  
SARA 313 No  
TSCA Inventory Yes  
CERCLA RQ 5,000 lb.  
RCRA Code U002

## SECTION 16 – OTHER INFORMATION

This document is prepared pursuant to the OSHA Hazard Communication Standard (29 CFR 1910.1200).  
The information herein is given in good faith, but no warranty, expressed or implied is made.

Consult RectorSeal for further information: (713) 263-8001