

**Safety Data Sheet**  
**Renew Liquid**

**SECTION I - IDENTIFICATION**

**PRODUCT IDENTIFIER:** Renew Liquid  
**PRODUCT CODE:** 9671, 9672, 9673  
**RECOMMENDED USE:** Rust Converter and Protective Coating  
**RESTRICTIONS ON USE:** None known.  
**COMPANY NAME:** Tifco Industries  
**COMPANY ADDRESS:** PO Box 40277, Houston, TX 77240-0277  
**COMPANY PHONE:** 281/571-6000  
**EMERGENCY PHONE:** 800-255-3924

**SECTION II – HAZARDS IDENTIFICATION**

**CLASSIFICATION:** Does not present a hazard according to OSHA (29CFR 1910.1200)  
**HAZARD STATEMENT(S):** None.  
This product contains the following percentage of chemicals of unknown toxicity: N/A  
**PRECAUTIONARY STATEMENTS:** N/A  
**SYMBOL:** N/A  
**HAZARDS NOT OTHERWISE CLASSIFIED:** N/A

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

<b>HAZARDOUS INGREDIENT</b>	<b>CAS NUMBER</b>	<b>PERCENT</b>
Does not contain any hazardous ingredients at or above reportable levels as defined by OSHA (29CFR 1910.1200)	N/A	N/A

**SECTION IV - FIRST AID MEASURES**

**EYES:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice or attention.

**INGESTION:** Do not induce vomiting unless directed by medical authority. Immediately rinse mouth with water. Seek immediate medical attention. Never give anything by mouth to an unconscious person.

**INHALATION:** Move to fresh air. If breathing is difficult, administer oxygen. If not breathing administer artificial respiration. Seek medical attention if irritation persists.

**SKIN:** Remove contaminated clothes. Wash skin thoroughly with soap and water for 15 minutes. Seek medical attention if irritation develops.

**ACUTE HEALTH HAZARDS:** Prolonged contact with skin may cause irritation. May cause defatting and dermatitis of the skin. Contact with eyes may cause irritation, redness, tearing. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

**CHRONIC HEALTH HAZARDS:** None known.

**NOTE TO PHYSICIAN:** Treatment of overexposure should be directed at the control of symptoms and the clinical condition.

**SECTION V – FIRE-FIGHTING MEASURES**

**EXTINGUISHING MEDIA:** Dry chemical, carbon dioxide, foam, and water spray or fog.

**UNSUITABLE EXTINGUISHING MEDIA:** N/A

**SPECIAL FIRE FIGHTING PROCEDURES:** Wear NIOSH approved Self Contained Breathing Apparatus with a full face piece operated in a positive pressure demand mode with full body protective clothing when fighting fires.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** N/A

**HAZARDOUS COMBUSTION PRODUCTS:** Oxides of carbon. Hydrogen chloride and chlorinated compounds. Other products of incomplete combustion.

**SECTION VI – ACCIDENTAL RELEASE MEASURES**

**PERSONAL PROTECTIVE EQUIPMENT:** Refer to section VIII for proper Personal Protective Equipment.

**SPILL:** Absorb with non-combustible material like vermiculite, sand or earth. Place waste in proper containers for waste disposal. Small releases may be wiped up with wiping material.

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**WASTE DISPOSAL:** Dispose of in accordance with local, state and federal regulations. Do not puncture container. Wrap container and place in trash collection.

**RCRA STATUS:** Waste likely considered non-hazardous under RCRA, however, product should be fully characterized prior to disposal (40 CFR 261).

### SECTION VII – HANDLING AND STORAGE

**HANDLING AND STORAGE:** Do not use or store near heat, open flames or other sources of ignition. Wear proper personal protective equipment when using this product. Avoid contact with skin, eyes and clothing. Store in a cool, dry area. Protect from sunlight. Do not use or store with strong oxidizers. Keep container tightly closed when not in use. Wash hands thoroughly after handling.

**OTHER PRECAUTIONS:** Keep out of the reach of children. Read and follow the directions on the product label. They are the best guide to using the product in the most effective manner. The label also gives you the necessary safety precautions to protect your health.

**INCOMPATIBILITY:** Strong oxidizing agents. Alkaline materials. Bases.

### SECTION VIII – EXPOSURE CONTROLS/PERSONAL PROTECTION

HAZARDOUS INGREDIENT	OSHA PEL	ACGIH TLV
Does not contain any hazardous ingredients at or above reportable levels as defined by OSHA (29CFR 1910.1200)	N/A	N/A

**ENGINEERING CONTROLS / VENTILATION:** N/A

**RESPIRATORY PROTECTION:** Not required with normal use.

**PERSONAL PROTECTIVE EQUIPMENT:** Safety glasses/goggles.

**ADDITIONAL MEASURES:** Wash hands thoroughly after handling.

### SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

**APPEARANCE:** Milky tan liquid.

**ODOR:** Odorless.

**ODOR THRESHOLD:** N/D

**pH:** N/D

**MELTING POINT/FREEZING POINT:** 32 °F (0 °C).

**INITIAL BOILING POINT AND BOILING RANGE:** > 212 °F (100 °C).

**FLASH POINT:** > 200 °F (93.3 °C).

**EVAPORATION RATE:** Slow.

**FLAMMABILITY (solid/gas):** Not considered a flammable liquid by OSHA (29CFR 1910.1200).

**UPPER/LOWER FLAMMABILITY OR EXPLOSIVE LIMITS:**

**LOWER FLAMMABILITY LIMIT:** N/D

**UPPER FLAMMABILITY LIMIT:** N/D

**EXPLOSIVE LIMIT LOWER (%):** N/D

**EXPLOSIVE LIMIT UPPER (%):** N/D

**VAPOR PRESSURE (mm Hg):** N/D

**VAPOR DENSITY (AIR=1):** N/D

**RELATIVE DENSITY (H<sub>2</sub>O=1):** 1.01 - 1.04 @ 77 °F (25 °C).

**SOLUBILITY(IES):** Miscible.

**PARTITION COEFFICIENT: n-OCTANOL/WATER (K<sub>ow</sub>):** N/D

**AUTOIGNITION TEMPERATURE:** N/D

**DECOMPOSITION TEMPERATURE:** N/D

**VISCOSITY:** N/D

### SECTION X – STABILITY AND REACTIVITY

**REACTIVITY:** None known.

**CHEMICAL STABILITY:** Stable.

**POSSIBLE HAZARDOUS REACTIONS:** None known.

**CONDITIONS TO AVOID:** Extremes of hot and cold. Do not freeze.

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**INCOMPATIBLE MATERIALS:** Strong oxidizing agents. Alkaline materials. Bases.

**HAZARDOUS DECOMPOSITION PRODUCTS:** None known.

#### SECTION XI – TOXICOLOGICAL INFORMATION

**TOXICOLOGICAL INFORMATION:** Not established.

**ROUTES OF ENTRY:** Eyes, Ingestion, Skin

**EYES:** May cause irritation.

**INGESTION:** May cause gastrointestinal irritation, nausea, diarrhea, vomiting.

**INHALATION:** None. Exposure not likely.

**SKIN:** May cause irritation.

**MEDICAL CONDITION AGGRAVATED:** None known.

**ACUTE HEALTH HAZARDS:** Prolonged contact with skin may cause irritation. May cause defatting and dermatitis of the skin.

Contact with eyes may cause irritation, redness, tearing. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

**CHRONIC HEALTH HAZARDS:** None known.

**CARCINOGENICITY:** OSHA: No ACGIH: No NTP: No IARC: 3 - Not classifiable OTHER: CA Prop 65

#### SECTION XII – ECOLOGICAL INFORMATION

**ECOTOXICITY:** Not established.

**PERSISTENCE AND DEGRADABILITY:** No additional information available.

**BIOACCUMULATIVE POTENTIAL:** No additional information available.

**MOBILITY IN SOIL:** N/D

**OTHER ADVERSE EFFECTS:** An environmental hazard cannot be excluded in the event of improper handling or disposal.

#### SECTION XIII – DISPOSAL CONSIDERATIONS

**WASTE DISPOSAL:** Dispose of in accordance with local, state and federal regulations. Do not puncture container. Wrap container and place in trash collection.

**RCRA STATUS:** Waste likely considered non-hazardous under RCRA, however, product should be fully characterized prior to disposal (40 CFR 261).

#### SECTION XIV - TRANSPORT INFORMATION

**PROPER SHIPPING NAME:** Cleaning Compound, N.O.S., Non-Regulated.

**HAZARD CLASS/DIVISION:** N/A

**UN/NA NUMBER:** N/A

**PACKING GROUP:** N/A

##### AIR SHIPMENT

**PROPER SHIPPING NAME:** Cleaning Compound, N.O.S., Non-Regulated.

**HAZARD CLASS/DIVISION:** N/A

**UN/NA NUMBER:** N/A

**PACKING GROUP:** N/A

##### SHIPPING BY WATER:

###### VESSEL (IMO/IMDG)

**PROPER SHIPPING NAME:** Cleaning Compound, N.O.S., Non-Regulated.

**HAZARD CLASS/DIVISION:** N/A

**UN/NA NUMBER:** N/A

**PACKING GROUP:** N/A

**ENVIRONMENTAL HAZARDS WATER:** N/A

#### SECTION XV - REGULATORY INFORMATION

**TSCA STATUS:** All chemicals are listed or exempt.

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**CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT):** None.

**SARA 311/312 HAZARD CATEGORIES:** None.

**SARA 313 REPORTABLE INGREDIENTS:** This product does not contain any chemical components with known CAS numbers that exceed the threshold (*de minimis*) reporting levels established by SARA Title III, Section 313.

**CLEAN WATER ACT:** None.

**STATE REGULATIONS: California Proposition 65: WARNING:** This product can expose you to chemicals including 2-ethylhexyl acrylate, which is known to the State of California to cause cancer. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

**INTERNATIONAL REGULATIONS:** No information available. Listed or exempt from listing/notification on the following chemical inventories: Domestic Substances List (DSL, Canada).

**VOLATILE ORGANIC COMPOUNDS (VOC):** 1.8%

**NFPA HEALTH:** 0

**HMIS HEALTH:** 0

**NFPA FLAMMABILITY:** 1

**HMIS FLAMMABILITY:** 1

**NFPA REACTIVITY:** 0

**HMIS REACTIVITY:** 0

**NFPA OTHER:** None

**HMIS PROTECTION:** A

## SECTION XVI - OTHER INFORMATION

**PREPARATION BY:** Roberto Cerón

**DATE PREPARED:** 12/04/2013

**REVISION DATE:** 03/08/2023

N/A = Not Applicable; N/D = Not Determined

**DISCLAIMER:** To the best of our knowledge, information contained herein is accurate. However, there is no assumption of liability for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazard which exists. The information contained in this SDS was obtained from current and reliable sources; however, the data is provided without any warranty, expressed or implied, regarding its correctness or accuracy. Since the conditions or handling, storage and disposal of this product are beyond the control of the manufacturer, the manufacturer will not be responsible for loss, injury, or expense arising out of the products improper use. No warranty, expressed or inferred, regarding the product described in this SDS shall be created or inferred by any statement in this SDS. Various government agencies may have specific regulations regarding the transportation, handling, storage, use, or disposal of this product which may not be covered by this SDS. The user is responsible for full compliance.