

## Safety Data Sheet (SDS)

[www.chipquik.com](http://www.chipquik.com)

To comply with European CLP Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by Commission Regulation (EU) 2020/878, US 29CFR 1910.1200 OSHA's Hazard Communication Standard, and Australian NOHSC: 1008 [2004] and ADG Code 7.4

### 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** Chip Quik Flux Remover: COSOLV165  
**SYNONYMS:**  
**PART NUMBERS:** COSOLV165-1L, COSOLV165-1.0

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**REVISION DATE:** 2023/12/13  
**REVISION NUMBER:** 1.4  
**REVISED BY:** Chip Quik Product Safety

**PRODUCT USE:** Removing flux from circuit boards.

### 2. HAZARD IDENTIFICATION

Classified in accordance with European CLP Regulation 1272/2008

Acute Toxicity (oral)	4	H302	
Acute Toxicity (dermal)	3	H317	
Eye Irritant	2B	H319	
Skin Irritant	2	H315	
Skins Sensitization	2	H317	
Specific Target Organ Toxicity (STOT) – Single Exposure (SE) Respiratory Tract Irritation	3		H332, H335

**CHEMICAL NAME:** NA  
**CHEMICAL FAMILY:** Mixture  
**CHEMICAL FORMULA:** Proprietary

**ROUTES OF ENTRY:** Inhalation, Ingestion, Skin/Eye Contact

**TARGET ORGANS:** NA

**GHS/CLP:**



Signal Word: Danger

### GHS/CLP LABEL ELEMENTS:

Hazard statement(s)

H302	Harmful if swallowed.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H360	May damage fertility or the unborn child

Precautionary statement(s)

P102	Keep out of reach of children.
P201	Obtain special instructions before use.
P202	Do not handle until all safety precautions have been read and understood.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No Smoking
P262	Do not get in eyes, on skin, or on clothing.
P264	Wash hands thoroughly after handling.

P270 Do not eat, drink, or smoke when using this product.  
P271 Use in a well-ventilated area.  
P272 Contaminated work clothing should not be allowed out of the workplace.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P301/P312 IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.  
P330 Rinse Mouth  
P305/P351/P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P308/P313 IF EXPOSED OR CONCERNED: Get medical advice/attention.  
P342/P311 IF EXPERIENCING RESPIRATORY SYMPTOMS: Call POISON CENTER/Doctor.  
P370/P378 In case of fire: Use CO2, powder or water spray to extinguish  
P403 Store in a well-ventilated place  
P405 Store locked up.  
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

#### POTENTIAL HEALTH EFFECTS:

**EYE CONTACT:** May cause moderate irritation. Do not allow material to come in contact with eyes.  
**SKIN CONTACT:** May cause moderate skin irritation.  
**INHALATION:** May cause irritation to the respiratory tract.  
**INGESTION:** May be fatal if swallowed and enters airways.  
**CHRONIC:** Not established.

**MEDICAL CONDITIONS POSSIBLY AGGRAVATED BY EXPOSURE:** Diseases of the blood-forming organs, kidneys, nervous and possibly reproductive systems. Occupational Asthma.

#### SECTION 2 NOTES:

Chip Quik Inc. does not recommend, manufacture, market, or endorse any of its products for human consumption.

Other hazards not contributing to the classification: Combustible liquid.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical characterization: Mixture

Name	Product Identifier	%
Tetrahydro-2-furylmethanol	(CAS-No.) 97-99-4	85-100
2-amino-2-methylpropanol	(CAS-No.) 124-68-5	1-5
1-ethyl-2-pyrrolidone	(CAS-No.) 2687-91-4	0.1-0.3

#### SECTION 3 NOTES:

(1) Per 29 CFR 1910 the mixture has not been tested as a whole. All hazardous components, which comprise 1% of the mixture (0.1% carcinogenic), are listed. Percentages of individual components are not listed as this information is considered a trade secret.

(2) The identity of the specific chemical(s) is being withheld as a trade secret per 29 CFR 1910.1200. The hazardous properties of these ingredients are disclosed in this SDS.

### 4. FIRST-AID MEASURES

**EYES:** Flush with plenty of water, contact a physician. If contact lenses can be removed easily, flush eyes without contact lenses.

**SKIN:** Wash affected area with plenty of warm, soapy water. If irritation persists, seek medical attention.

**INGESTION:** Call a physician or Poison Control Center immediately. Do not induce vomiting.

**INHALATION:** Remove to fresh air. Consult Doctor if breathing is impaired.

### 5. FIREFIGHTING MEASURES

**EXTINGUISHING MEDIA:** Water Spray, Dry chemical, foam, Carbon dioxide

**SPECIAL FIRE FIGHTING PROCEDURES:** Do not use strong water jet. Use NIOSH-approved self-contained Breathing Apparatus and full protective clothing if involved in a fire.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** This product does not present any unusual fire and explosion hazards.

### 6. ACCIDENTAL RELEASE MEASURES

**ACCIDENTAL RELEASE MEASURES:** If material spills or leaks, remove traces of residue using absorbent sand or earth. Exposure to spilled material may be irritating. Follow on-site personal protective equipment recommendations.

**ENVIRONMENTAL PRECAUTIONS:** Avoid release to the environment. Collect spillage.

#### SECTION 6 NOTES:

See Sections 2, 4, and 7 for additional information.

### 7. HANDLING AND STORAGE

**HANDLING/STORAGE:** Keep containers tightly closed when not in use. Use care to avoid spills. Avoid inhalation of fumes. Avoid contact with eyes, skin, and clothing. Store in a closed corrosive resistant container, with corrosive resistant liner, in cool dry place. Wear appropriate personal protective equipment when working with or handling. Always wash hands thoroughly after handling this product. Dispose of following Federal, State/Provincial, and Local regulations.

**OTHER PRECAUTIONS:** Empty containers may retain product residues in vapor, liquid, and/or solid form. All labeled hazard precautions should be observed.

**WORK HYGIENIC PRACTICES:** Cosmetics/Food/Drink/Tobacco should not be consumed or used in work areas. Always wash hands after handling material and before applying or using cosmetics/food/drink/tobacco.

**SECTION 7 NOTES:**

For industrial use only.

Keep out of reach of children.

Not for internal consumption.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

**ENGINEERING CONTROLS:** Use only with production equipment designed for use with solvent cleaners

**VENTILATION:** Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below TLVs.

**RESPIRATORY PROTECTION:** A (US: NIOSH; EU: EN 140:1998, EN 14387:2004 A)-approved air-purifying respirator with fume/organic chemical cartridge should be worn when airborne concentrations may be exceeded. General and local exhaust ventilation is the preferred means of protection.

**EYE PROTECTION:** Use with appropriate eye protection: Goggles or face shield (EU: EN 166-S 3 9).

**SKIN PROTECTION:** Protective gloves (solvent resistant) should be worn when the possibility of skin contact exists (EU: EN 374-1:2003).

**PROTECTIVE CLOTHING OR EQUIPMENT:** Wear suitable protective clothing.

**WORK HYGIENIC PRACTICES:** Cosmetics/Food/Drink/Tobacco should not be consumed or used in areas where solder products may be used. Always wash hands after handling solvents and before applying or using cosmetics/food/drink/tobacco.

**OTHER:** Maintain eye wash stations in work areas. Avoid the use of contact lenses in high fume areas. Clean protective equipment regularly. Clean up spills immediately.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>PHYSICAL STATE</b>	Liquid
<b>APPEARANCE:</b>	Light Yellow
<b>ODOR:</b>	Alcohol
<b>ODOR THRESHOLD:</b>	NE
<b>pH as SUPPLIED:</b>	Not Applicable
<b>MELTING POINT:</b>	NE
<b>FREEZING POINT:</b>	NE
<b>INITIAL BOILING POINT:</b>	150 °C
<b>BOILING RANGE:</b>	150 °C
<b>FLASH POINT (TCC):</b>	82°C
<b>EVAPORATION RATE:</b>	NE
<b>UPPER/LOWER FLAMMABILITY:</b>	NE
<b>UPPER/LOWER EXPLOSIVE LIMITS:</b>	NE
<b>VAPOR PRESSURE:</b>	0.3 hPa
<b>RELATIVE DENSITY:</b>	1.048 g/cm <sup>3</sup>
<b>SOLUBILITY IN WATER:</b>	Fully Miscible
<b>PARTITION COEFFICIENT (n-octanol/water):</b>	NE
<b>DECOMPOSITION TEMPERATURE:</b>	NE
<b>VISCOSITY:</b>	NE

**9.2 Other Information**

**9.2.1 Information with regard to physical hazard classes**

No additional information available.

**9.2.2 Other safety characteristics**

No additional information available.

**10. STABILITY AND REACTIVITY**

<b>STABILITY:</b>	Stable
<b>CONDITIONS TO AVOID (STABILITY):</b>	NE
<b>INCOMPATIBILITY (MATERIAL TO AVOID):</b>	NE
<b>HAZARDOUS DECOMPOSITION/BY-PRODUCTS:</b>	NE
<b>POSSIBILITY OF HAZARDOUS REACTIONS:</b>	NE

**11. TOXICOLOGICAL INFORMATION**

**INHALATION:**

This product does not present a risk at ambient temperatures. The fumes evolved during use will irritate the nose, throat and lungs. Repeated or prolonged exposure to flux fumes may cause an allergic affect which may lead to occupational asthma.

**SKIN:**

Causes Skin Irritation

**EYES:**

Causes Serious Eye Irritation.

**ACUTE TOXICITY:**

Product/Ingredient Name	Result	Species	Dose	Exposure
2-tetrahydro-2-furylmethanol	LD50 Oral	Rat	1600mg/kg	-
2-methoxymethylethoxy) propanol	LD50 Oral LD50 Dermal	Rat Rabbit	> 4000 mg/kg 9510 mg/kg	- 4 hours -

**SKIN CORROSION/IRRITATION:** Not available  
**SERIOUS EYE DAMAGE/IRRITATION:**  
**RESPIRATORY OR SKIN SENSITIZATION:** NE  
**GERM CELL MUTAGENICITY:** Not available  
**CARCINOGENICITY:**  
**REPRODUCTIVE TOXICITY:** Category 1B  
**STOT-SINGLE EXPOSURE:**  
**STOT-REPEATED EXPOSURE:** NE  
**ASPIRATION HAZARD:** NE

**11.2 Information on other hazards:**

**11.2.1 Endocrine disrupting properties:**

The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

**11.2.2 Other information:**

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named manufacturer, nor any of its subsidiaries, assumes any liability whatsoever 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 hazards that exist.

**12. ECOLOGICAL INFORMATION**

**TOXICITY:** Aquatic toxicity: No further relevant information available.

**PERSISTENCE AND DEGRADABILITY:** No further relevant information available.

**BIOACCUMULATIVE POTENTIAL:** No further relevant information available.

**MOBILITY IN SOIL:** No further relevant information available.

**RESULT OF PBT and vPvB ASSESSMENT:** Not applicable

**12.6 Endocrine Disrupting Properties:** The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher

**12.7 OTHER ADVERSE EFFECTS:** No known significant effects or critical hazards

**13. DISPOSAL CONSIDERATIONS**

**WASTE DISPOSAL METHOD:** Scrap and waste should be recycled or stored in a dry, sealed container for later disposal. Disposal must be in accordance with Federal, State/Provincial, and Local Regulations.

**14. TRANSPORT INFORMATION**

Transport in accordance with applicable regulations and requirements.

**UN Number:** Not available  
**UN Proper Shipping Name:** Not available  
**Packaging Group:** Not applicable  
**Environmental Hazards:** None

**TRANSPORT HAZARD CLASSES:**  
US DOT Hazardous Material Classification: Non-Hazardous  
Water Transportation: Non-Hazardous  
IATA Hazardous Material Classification: Non-Hazardous  
ADR Road Regulations: Not regulated  
IMDG Sea Regulations: Not regulated  
ADG Land Transportation: Not regulated

**15. REGULATORY INFORMATION**

**United States Regulatory Information:**  
**TSCA 8 (b) Inventory Status:** All components are listed or are exempt from listing on the Toxic Substances Control Act (TSCA) Inventory.  
**TSCA 12 (b) Export Notification:** Not required.

**Canada Regulatory Information:**  
**CEPA DSL/NDL Status:** All components are listed on or are exempt from listing on the Canadian Domestic Substances List.

<b>U.S. FEDERAL REGULATIONS:</b>	Not regulated
<b>STATE REGULATIONS:</b>	Not regulated
<b>INTERNATIONAL REGULATIONS:</b>	Not regulated
<b>AUSTRALIAN REGULATIONS:</b>	Not regulated

## 16. OTHER INFORMATION

### LEGEND:

<b>ACGIH</b>	American Conference of Governmental Industrial Hygienists
<b>ADG</b>	Australian Dangerous Goods Code
<b>ADR</b>	European Agreement concerning the International Carriage of Dangerous Goods by Road
<b>AICS</b>	Australian Inventory of Chemical Substances
<b>BCF</b>	Bioconcentration factor
<b>C.A.S.</b>	Chemical Abstract Service
<b>CLP</b>	Classification, Labeling and Packaging
<b>DOT</b>	Department of Transportation
<b>EC</b>	Effective Concentration
<b>EPA</b>	Environmental Protection Agency
<b>GHS</b>	Global Harmonized System
<b>HMIS</b>	Hazardous Material Identification System
<b>IARC</b>	International Agency for Research on Cancer
<b>IATA</b>	International Air Transport Association
<b>IMDG</b>	International Maritime Dangerous Goods Code
<b>LC</b>	Lethal Concentration
<b>LD</b>	Lethal Dose
<b>NA</b>	Not available
<b>NE</b>	Not established
<b>NIOSH</b>	National Institute for Occupational Safety & Health
<b>NOEC</b>	No observed effective concentration
<b>NOHSC</b>	National Occupational Health and Safety Commission (Australia)
<b>NTP</b>	National Toxicology Program
<b>OSHA</b>	Occupational Safety and Health Administration
<b>PEL</b>	Permissible Exposure Limit
<b>P<sub>ow</sub></b>	Octanol water partition coefficient
<b>SDS</b>	Safety Data Sheet
<b>STEL</b>	Short-Term Exposure Limit
<b>STOT</b>	Specific target organ toxicity
<b>TLV</b>	Threshold Limit Value
<b>TSCA</b>	Toxic Substance Control Act
<b>TWA:</b>	Time Weighted Average
<b>US DOT:</b>	United States Department of Transportation

### PREPARATION INFORMATION:

This update supersedes all previously released documents.

### DISCLAIMER:

The information and recommendations contained within this publication have been compiled from sources believed to be reliable and to represent the best information available to Chip Quik at the time of issue. No warranty, guarantee, or representation is made by Chip Quik nor does Chip Quik assume any responsibility in connection therewith; nor can it be assumed that all acceptable safety measures or other safety measures may not be required under particular or exceptional conditions or circumstances. The data on this Safety Data Sheet relates only to this product and does not relate to use with any other material or in any process. All chemical products should be used only by, or under the direction of, technically qualified personnel who are aware of the hazards involved and necessity for reasonable care in handling. Hazard communication regulations require that employees must be trained on how to use a Safety Data Sheet as a source for hazard information.