

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product Identifier

Product Form : Mixture
Product Name : C-Thru Window Cleaner
Product Code : 4901

1.2 Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture : Glass Cleaner

1.3 Details of the supplier of the safety data sheet

Twi-Laq Industries, Inc.
1345 Seneca Avenue
Bronx, NY 10474
T (718) 638-5860

1.4 Emergency telephone number

Emergency number : CHEM-TREC 1-800-424-9300

SECTION 2: Hazards Identification

2.1 Classification of the substance or mixture

Classification (GHS-US)

Not Classified

2.2 Label Elements

GHS-US labeling

No Labeling Applicable

2.3 Other Hazards

No additional information available

2.4 Unknown Acute Toxicity

No Data Available

SECTION 3: Composition / Information on Ingredients

3.1 Substance

Not Applicable

3.2 Mixture

Name	Product Identifier	%	Classification (GHS-US)
2-propanol	(CAS No.) 67-63-0	1 - 5	Flam Liq. 2, H225 Eye Irrit. 2A, H319 STOT SE 3, 2, H336

SECTION 4: First Aid Measures

4.1 Description of First Aid measures

First Aid measures general : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First Aid measures after inhalation : Assure fresh air breathing. Allow the victim to rest.
First Aid measures after skin contact : Remove affected clothing and wash exposed skin area with mild soap and water, followed by warm water rinse.
First Aid measures after eye contact : Rinse immediately with plenty of water. Obtain medical attention if pain blinking or redness persists.
First Aid measures after ingestion : Rinse mouth. DO NOT induce vomiting. Obtain emergency medical attention.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms / injuries : Not expected to present a significant hazard under anticipated conditions of normal use.

4.3 Indication of any immediate medical attention and special treatment needed

No additional information available

SECTION 5: Firefighting Measures

5.1 Extinguishing Media

Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
Unsuitable extinguishing media : Do not use a heavy water stream.

5.2 Special hazards arising from the substance or mixture

No additional information available

5.3 Advice for firefighters

Firefighting Instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

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SECTION 6: Accidental Release Measures**6.1 Personal precautions, protective equipment and emergency procedures**

- 6.1.1 For non-emergency personnel
Emergency procedures : Evacuate unnecessary personnel
- 6.1.2 For emergency responders
Protective Equipment : Equip cleanup crew with proper protection
Emergency procedures : Ventilate area.

6.2 Environmental precautions

Prevent entry to sewers and public waters.

6.3 Methods and material for containment and cleaning up

- Methods for cleaning up. : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

SECTION 7: Handling and Storage**7.1 Precautions for safe handling**

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapor.

7.2 Conditions for safe storage, including any incompatibilities

- Storage conditions : Keep only in the original container in a cool well ventilated place. Keep closed when not in use.
- Incompatible Products : Strong bases. Strong acids.
- Incompatible Materials : Sources of ignition. Direct sunlight.

7.3 Specific end use(s)

No additional information available

SECTION 8: Exposure controls / personal protection**8.1 Control parameters**

2-propanol (67-63-0)		
USA ACGIH	ACGIH TWA (ppm)	200 ppm
USA ACGIH	ACGIH STEL (ppm)	200 ppm
USA ACGIH	Remark (ACGIH)	Eye & URT Irrit; CNS impair
USA OSHA	OSHA PEL (TWA) (mg/m3)	980 mg/m3
USA OSHA	OSHA PEL (TWA) (ppm)	400 ppm

8.2 Exposure controls

- Personal Protective Equipment : Avoid unnecessary exposure.
- Hand Protection : Protective gloves.
- Eye Protection : Chemical goggles or safety glasses
- Respiratory Protection :
: Not required with expected use. If occupational exposure limits are exceeded or respiratory irritation occurs, use of a NIOSH/MSHA approved respirator suitable for the use-conditions and chemicals in Section 3 should be considered.
- Other Information : Do not eat, drink or smoke during use.
- Engineering Controls : Provide good general ventilation. If work practices generate dust, fumes, gas, vapors, or mists which expose workers to chemicals above the occupational exposure limits, local exhaust ventilation or other engineering controls should be considered.

SECTION 9: Physical and chemical properties**9.1 Information on basic physical and chemical properties**

- Physical state : Liquid
- Color : Clear Blue
- Odor : Slight Alcohol
- Odor Threshold : No data available
- pH : 6.5 - 7.0
- Evaporation rate (butyl acetate=1) : No data available
- Melting Point : No data available
- Freezing Point : No data available
- Boiling Point : 212-220°F
- Flash Point : ≥ 200°F
- Auto-ignition temperature : No data available
- Decomposition temperature : No data available
- Flammability (solid, gas) : No data available
- Vapor Pressure : No data available
- Relative vapor density @ 20°C : Similar to water
- Relative density : 0.99
- Solubility : Soluble in Water
- Log Pow : No data available
- Log Kow : No data available

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Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive Properties	: No data available
Oxidizing Properties	: No data available
Explosive Limits	: No data available

SECTION 10: Stability and Reactivity

10.1 Reactivity

This material is considered to be non-reactive under normal conditions of use.

10.2 Chemical Stability

Stable under normal Conditions

10.3 Possibility or hazardous reactions

Not established

10.4 Conditions to avoid

Direct sunlight. Extremes of temperature.

10.5 Incompatible materials

Strong acids. Strong bases

10.6 Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological Information

11.1 Information on toxicological effects

Acute Toxicity

2-propanol (67-63-0)	
LD50 oral rat	5045 mg/kg (Rat; OECD 401: Acute Oral Toxicity; Experimental value; 5840 mg/kg bodyweight; Rat)
LD50 dermal rabbit	12870 mg/kg (Rabbit; Experimental value; Equivalent or similar to OECD 402; 16.4; Rabbit)
LC50 inhalation rat (mg/l)	73 mg/l/4h (Rat)
ATE US (oral)	5045.00 mg/kg body weight
ATE US (dermal)	12870.00 mg/kg body weight
ATE US (vapors)	73.00 mg/l/4h
ATE US (dust, mist)	73.00 mg/l/4h

Skin corrosion / irritation	: Not classified (pH 6.5-7.0)
Serious eye damage / irritation	: Not classified (pH 6.5-7.0)
Respiratory or skin sensitization	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified

2-propanol (67-63-0)	
IARC Group	3 (Not classifiable)

Reproductive Toxicity	: Not classified
Specific target organ toxicity (single exposure)	: Not classified
Specific target organ toxicity (repeated exposure)	: Not classified
Aspiration hazard	: Not classified
Potential Adverse human health effects and symptoms	: Based on available data, the classification criteria are not met.

SECTION 12: Ecological Information

12.1 Toxicity

2-propanol (67-63-0)	
LC50 fish 1	4200 mg/l (96 h; Rasbora heteromorpha; Flow - through system)
EC50 Daphnia 1	10000 mg/l (48 h; Daphnia magna)
LC50 fish 2	9640 mg/l (96 h; Pimephales promelas; Lethal)
EC50 Daphnia 2	13299 mg/l (48 h; Daphnia magna)
Threshold limit algae 1	> 1000 mg/l (72 h; Scenedesmus subspicatus; Growth rate)
Threshold limit algae 2	1800 mg/l (72 h; Algae; Cell numbers)

12.2 Persistence and degradability

C-THRU WINDOW CLEANER	
Persistence and degradability	Not established

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2-propanol (67-63-0)	
Persistence and degradability	Readily biodegradable in water. Biodegradable in the soil. Biodegradable in the soil under anaerobic conditions. No (test)data on mobility of the substance available.
Biochemical oxygen demand (BOD)	1.19 g O ₂ /g substance
Chemical oxygen demand (COD)	2.23 g O ₂ /g substance
ThOD	2.40 g O ₂ /g substance
BOD (% of ThOD)	0.49 % ThOD

12.3 Bioaccumulative potential

C-THRU WINDOW CLEANER	
Bioaccumulative potential	Not established

2-propanol (67-63-0)	
Log Pow	0.05 (Experimental value)
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).

12.4 Mobility in Soil

2-propanol (67-63-0)	
Surface Tension	0.021 N/m (25 °C)

12.5 Other adverse effects

Effect on ozone later : No information available
 Effect on the global warming : No known ecological damage caused by this product
 Other information : Avoid release to the environment.

SECTION 13: Disposal Considerations

13.1 Waste Treatment Methods

Disposal of Wastes : Dispose of in a safe manner in accordance with federal, state and local regulations
 Ecology - waste materials : Avoid release to the environment.

SECTION 14: Transport Information

In accordance with DOT
 Not regulated for transport

Additional Information

Other Information : No supplementary information available

ADR

Transport document description :

Transport by sea : No additional information available

Air transport : No additional information available

SECTION 15: Regulatory Information

15.1 US Federal Regulations

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains (a) chemical(s) which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

2-propanol (67-63-0)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
Listed on United States SARA Section 313	

CWA (Clean Water Act) : This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40CFR 122.21 and 40 CFR 122.42)

CERCLA : This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA (40 CFR 355)). There may be specific reporting requirements at the local, regional, or state level pertaining to the release of this material.

15.2 International regulations

CANADA

No additional information available

EU-Regulations

No additional information available

Classification according to Regulation (EC) No. 1272/2008[CLP]

Not Classified

Classification according to Directive 67/548/EEC or 1999/45/EC

Not Classified

15.2.2 National regulations

No additional information available

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15.3 US State Regulations

California Proposition 65 : No Proposition 65 chemicals present

US State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania
2-proponal (67-63-0)	X	X	X

SECTION 16: Other Information

Revision Date : 5/27/2015

Reasons for Revisions : No information available.

Other Information : None

HMIS III Rating

Health : 1 Slight Hazard - irritation or minor reversible injury possible

Flammability : 0 Minimal Hazard

Physical : 0 Minimal Hazard

Personal Protection :

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The goal of defining precisely, in measurable terms, every possible health effect that may occur in the workplace as a result of chemical exposures cannot realistically be accomplished. The information and recommendation contained in this Safety Data Sheet are supplied pursuant to Federal Register / Col. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations of the Occupational Safety and Health Standards Hazard Communication Rule. The information and recommendations set forth herein are presented in good faith and believed to be correct as of the date hereof. Twi-Laq Industries, Inc., however, makes no representations as to the completeness or accuracy thereof, and information is supplied upon the express condition that the persons receiving the same will be required to make their own determination as to its suitability for their purposes prior to use. In no event will Twi-Laq Industries, Inc. be responsible for any damages of any nature whatsoever resulting from the use of, reliance upon, or the misuse of this information. The information as supplied herein is simply to be informative and intended solely to alert the user of the substance which is the subject matter of this Safety Data Sheet. The ultimate compliance with federal, state and local regulations concerning the use or disposal of this compound, or compliance with respect to products liability, rests solely upon the purchaser thereof.