

# Safety Data Sheet

## C-Thru Concentrate

### SECTION 1 – PRODUCT IDENTIFICATION

**PRODUCT NAME** C-Thru Concentrate  
**SYNONYMS** GLASS CLEANER Ammonia Free  
**PRODUCT USE** Glass Cleaning  
**SUPPLIER** United Formulas  
**SUPPLIER'S ADDRESS** 601 6th St SW Unit 5, Great Falls, MT 59404  
**EMERGENCY RESPONSE PHONE** Infotrac: 1 800-535-5053



### SECTION 2 – HAZARD IDENTIFICATION

**GHS – US CLASSIFICATION** : H290 Metal corrosion Category 1  
 : H314 Skin Corrosion Category 1B  
 : H318 Serious Eye Damage Category 1B  
 : H412 Aquatic Acute Category 3

**HAZARD PICTOGRAMS** :

**SIGNAL WORD** : **DANGER**

**GHS LABEL ELEMENTS** : The product is classified and labeled according to the Globally Harmonized System (GHS).

**GHS PHYSICAL HAZARDS** : H315 Causes skin irritation.  
 : H318 Causes serious eye damage.  
 : H412 Harmful to aquatic life with long lasting effects.  
 : H336 May cause drowsiness or dizziness.

**GHS PRECAUTIONARY HAZARDS** : P101 If medical advice is needed, have product container or label at hand.  
 : P102 Keep out of reach of children.  
 : P103 Read label before use.  
 : P260 Do not breathe dust/fume/gas/mist/vapors/spray.  
 : P264 Wash skin and contaminated clothing thoroughly after handling.  
 : P270 Do not eat, drink, or smoke when using this product.  
 : P280 Wear suitable protective gloves / protective clothing / eye protection / face protection.  
 : P301+P330+P331 IF SWALLOWED. Rinse mouth. Do NOT induce vomiting.  
 : P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.  
 : P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 : P305+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position.  
 : P310 Immediately call a POISON CENTER or doctor/physician.  
 : P330 Rinse mouth if ingested.  
 : P405 Store locked up.  
 : P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

**OSHA HAZARDS** : Target Organ Effect (Glycol Ether DPM)  
**TARGET ORGANS** : Kidney, Liver, Nerves (Glycol Ether DPM).  
**CLASSIFICATION SYSTEM:** : NFPA/HMIS Definitions: 0-Least, 1-Slight, 2-Moderate, 3-High, 4-Extreme.

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**NFPA ratings (scale 0-4):** : Health = 2, Fire = 0, Reactivity = 0  
**HMIS ratings (scale 0-5):** : Health = 2, Fire = 0, Reactivity = 0

### SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

**CHEMICAL CHARACTERIZATION** : Mixtures  
**DESCRIPTION** : Mixture of the substances listed below with nonhazardous additions.

| COMPONENT                       | PERCENT | CAS #      | EC #      | GHS CLASS  |
|---------------------------------|---------|------------|-----------|--|
| Isopropanol (Isopropyl alcohol) | 10-15   | 67-63-0    | 200-661-7 | Eye Irrit Cat 2, Flam Liq Cat 2<br>STOT SE Cat 3       |
| Dipropylene glycol methyl ether | 1-5     | 34590-94-8 | 252-104-2 | Eye Irrit: Cat 2B                                      |
| Cocoamidopropyl Betaine         | 0.1-1.0 | 61789-40-0 | 263-058-8 | Eye Irrit Cat 2B                                       |
| Alcohols Ethoxylated            |         | 68439-46-3 | 252-104-2 | Skin Irrit Cat 2, Eye Dam Cat 1<br>Acute Aquatic Cat 2 |

Corr = Corrosion, Dam. = Damage, Tox = Toxic, Irrit = Irritation, Cat = Category, Tox = Toxic, STOT-SE = Specific Target Organ Toxicity – Single Exposure. Also contains non-hazardous biodegradable dye and fragrance.

### SECTION 4 – FIRST AID MEASURES

**EYE CONTACT** : Immediately flush eyes with water for at least 15 minutes. Hold eyelids open to ensure adequate flushing. Remove contact lenses, if present and easy to do so. Continue rinsing. Immediate call a POISON CENTER or doctor/physician.

**SKIN CONTACT** : Remove contaminated clothing and shoes. Wash affected skin area with water for at least 15 minutes. Delayed skin damage is possible if product is not completely washed off. Get immediate medical attention. Wash contaminated clothing before reuse.

**SWALLOWING (INGESTION)** : If ingested, dilute swallowed material by drinking water. DO NOT INDUCE VOMITING. Never give anything by mouth to an unconscious person. Immediate call a POISON CENTER or doctor/physician.

**INHALATION** : When symptoms occur, go into open air, and ventilate suspected area. Remove to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER/doctor/physician.

**GENERAL MEASURES** : Never give anything by mouth to an unconscious person. Rescue personnel must wear appropriate protective equipment during removal of victims from contaminated areas. Treat symptomatically and supportively.

### SECTION 5 – FIRE FIGHTING MEASURES

**EXTINGUISHING MEDIA** : Dry chemical, foam, water, or carbon dioxide

**SPECIAL PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIREFIGHTER** : In the event of a fire, wear a NIOSH (USA) or CEN (EU) approved, positive pressure, self-contained breathing apparatus (SCUBA) and full protective clothing. Evacuate all non-essential personnel from the danger area.

**UNUSUAL FIRE AND EXPLOSION HAZARDS** : No further relevant information is available.

### SECTION 6 – ACCIDENTAL RELEASE MEASURES

**PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES** : Restrict access to keep out unauthorized or unprotected personnel. Wear protective equipment. Avoid inhalation and direct contact.

**ENVIRONMENTAL PRECAUTIONS** : Keep spilled material away from sewage/drainage systems and waterways. This product contains a U.S. EPA Reportable Quantity (RQ) substance. If amounts

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#### METHODS AND MATERIALS FOR CONTAINMENT AND CLEAN-UP

- exceeding the Reportable Quantity are released, notification of the National Response Center (800) 424-8802 is required. See section 15 for more information.
- : All clean-up personnel must be properly trained. Confine the spill and remove incompatible materials and ignition sources. Ensure adequate ventilation. Secure the source of the leak if conditions are safe. Neutralize spill and collect using an appropriate absorbent material such as clay or vermiculite. Place waste in an appropriate container for disposal. Use care during clean-up to avoid exposure to the material and injury from broken containers.

### SECTION 7 – HANDLING AND STORAGE

#### PRECAUTIONS FOR SAFE HANDLING

- : Use with adequate ventilation. Wear proper protective equipment. Do not mix with water or acids without proper dilution and agitation to prevent a potentially violent reaction.

#### CONDITIONS FOR SAFE STORAGE

- : Store in closed, properly labeled containers. Protect containers from heat, physical damage, ignition sources and incompatible materials. Have emergency equipment for fires and spills readily available.



### SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

#### TLV (THRESHOLD LIMIT VALUE)

- : The TLV in section III is the ACGIH/TLV-TWA (threshold limit value/time weighted average concentration for an eight hour work day). The STEL is the short term exposure limit and the (Ceil) is the ceiling limit.

| COMPONENT                       | OSHA PEL – TWA                 | ACGIH TLV – Ceiling | ACGIH – STEL    |
|---------------------------------|--------------------------------|---------------------|-----------------|
| Isopropanol (Isopropyl alcohol) | 400 ppm                        | 200 ppm             | 400 ppm         |
| Dipropylene Glycol Methyl Ether | 100 ppm, 600 mg/m <sup>3</sup> | 100 ppm             | 150 ppm         |
| Cocoamidopropyl Betaine         | Not Established                | Not Established     | Not Established |
| Alcohols Ethoxylated            | Not Established                | Not Established     | Not Established |

#### EYE PROTECTION

- : Wear chemical splash goggles or face shield.

#### SKIN PROTECTION

- : Minimize contact with product. Wear chemical resistant coveralls, boots, gloves, apron and/or suitable long-sleeved clothing.

#### RESPIRATORY PROTECTION

- : In case of brief exposure use respiratory filter device. In case of intensive or longer exposure, use respiratory protective device that is independent of circulating air.

#### VENTILATION

- : Ensure adequate ventilation.

#### ADDITIONAL MEASURES

- : Emergency eyewash and safety shower facilities should be available in the immediate work area.

#### REQUIRED WORK/HYGIENE

- : Wash hands thoroughly after handling. Keep away from all food stuffs, beverages, and feed. Do not eat, drink, or smoke in work area.

### SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

#### APPEARANCE

- : Clear blue liquid with mild odor.

#### ODOR

- : Mild odor

#### ODOR THRESHOLD

- : Not available

#### PH

- : 9.0 - 11.0 AS IS

#### MELTING POINT/FREEZING POINT

- : Not available

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|   |                    |
|---|--------------------|
| <b>BOILING POINT</b>                              | : Not available    |
| <b>FLASHPOINT</b>                                 | : 105°F (41°C)     |
| <b>EVAPORATION RATE</b>                           | : Not available    |
| <b>FLAMMABILITY</b>                               | : Combustible      |
| <b>LOWER FLAMMABILITY LIMIT</b>                   | : Not applicable   |
| <b>UPPER FLAMMABILITY LIMIT</b>                   | : Not applicable   |
| <b>VAPOR PRESSURE</b>                             | : Not available    |
| <b>VAPOR DENSITY (AIR=1)</b>                      | : Not available    |
| <b>RELATIVE DENSITY</b>                           | : 0.98             |
| <b>SOLUBILITY IN WATER</b>                        | : Soluble in water |
| <b>PARTITION COEFFICIENT n-<br/>OCTANOL/WATER</b> | : Not available    |
| <b>AUTOIGNITION TEMPERATURE</b>                   | : Not available    |
| <b>DECOMPOSITION TEMPERATURE</b>                  | : Not available    |

### SECTION 10 – STABILITY AND REACTIVITY

|   |   |
|---|---|
| <b>STABILITY</b>                            | : Stable under recommended storage conditions.          |
| <b>HAZARDOUS CONDITIONS TO<br/>AVOID</b>    | : No decomposition if used according to specifications. |
| <b>INCOMPATIBLE MATERIALS</b>               | : Keep away from strong acids.                          |
| <b>HAZARDOUS DECOMPOSITION<br/>PRODUCTS</b> | : No dangerous decomposition products known.            |

### SECTION 11 – TOXICOLOGICAL INFORMATION

|   |  |
|---|--|
| <b>TOXICOLOGICAL INFORMATION<br/>ACUTE TOXICITY</b> | : <b>Isopropanol (Isopropyl Alcohol)</b><br>LD50 Oral (rat): 5045 mg/kg. LD50 Dermal (rabbit): 12,800 mg/kg. LC50 Inhalation (rat) 8hr: 16,000 mg/kg.  |
| <b>OTHER INFORMATION EYES</b>                       | : Produces irritation, characterized by a burning sensation, redness, tearing, inflammation, and possible corneal injury. May cause transient corneal injury   |
| <b>OTHER INFORMATION<br/>INGESTION</b>              | : Causes gastrointestinal irritation with nausea, vomiting and diarrhea. May cause kidney damage. May cause central nervous system depression, characterized by excitement, followed by headache, dizziness, drowsiness, and nausea.   |
| <b>OTHER INFORMATION<br/>INHALATION</b>             | : Inhalation of high concentrations may cause central nervous system effects characterized by nausea, headache, dizziness, unconsciousness, and coma. May cause narcotic effects in high concentration. Causes upper respiratory tract irritation. Inhalation of vapors may cause drowsiness and dizziness.      |
| <b>OTHER INFORMATION SKIN</b>                       | : May cause irritation with pain and stinging, especially if the skin is abraded. Isopropanol has a low potential to cause allergic skin reactions; however, rare cases of allergic contact dermatitis have been reported.   |
| <b>STOT SINGLE EXPOSURE<br/>CARCINOGENICITY</b>     | : Inhalation - May cause drowsiness or dizziness. - Central Nervous System.<br>: IARC: Group 3: Not classifiable as to its carcinogenicity to humans. No component of this product, present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH, NTP or OSHA. |
| <b>TOXICOLOGICAL INFORMATION<br/>ACUTE TOXICITY</b> | : <b>Dipropylene Glycol Methyl Ether</b><br>LD50 values: Oral LD50: 5152 mg/kg (rat). LC50 dermal and inhalation: Not listed.<br>Eyes: Rabbit: Mild Irritation: 25 hours.  |
| <b>CARCINOGENICITY</b>                              | : No component of this product present at levels greater than or equal to 0.1% is identified as probable or confirmed human carcinogen by IARC, ACGIH, NTP, and OSHA.  |
| <b>TOXICOLOGICAL INFORMATION</b>                    | : <b>Cocoamidopropyl Betaine</b>   |

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**ACUTE TOXICITY** : LD50 Oral (rat): 5000-15,000 mg/kg.  
**INHALATION LC50** : No data available  
**DERMAL LD50** : No data available  
**CARCINOGENICITY** : This product is not considered to be a carcinogen by IARC, ACGIH, NTP or OSHA.  
**MUTAGENICITY** : Not mutagenic in AMES test.

**TOXICOLOGICAL INFORMATION** : **Alcohols Ethoxylated 91-6**  
**ACUTE TOXICITY** : LD50 Oral (rat): 1,378 mg/kg,  
**INHALATION LC50** : No data available.  
**DERMAL LD50** : LD50 Dermal (rat): > 5,000 mg/kg.  
**PRIMARY SKIN IRRITATION** : (Rabbit) Moderate to severely irritating.  
**PRIMARY EYE IRRITATION** : (Rabbit) Severely irritating.

### SECTION 12 – ECOLOGICAL INFORMATION

**ECOLOGICAL INFORMATION** : **Isopropanol**  
**ACUTE FISH TOXICITY** : LC50 / 96 hr.: Pimephales promelas: 9,640 mg/L.  
**TOXICITY TO DAPHNIA** : EC50 / 24 h / Water Flea - 5,102 mg/L.  
**TOXICITY TO PLANTS** : EC50 / 72 hours Desmodemus subspicatus > 2,000 mg/L.  
**MOBILITY** : This material is expected to have very high mobility in soil. It does not absorb to most soil types.  
**PERSISTENCE AND DEGRADABILITY** : No data available.  
**BIOACCUMULATIVE POTENTIAL** : No data available.

**ECOLOGICAL INFORMATION** : **Dipropylene Glycol Methyl Ether**  
**ECOTOXICITY (aquatic and terrestrial, where available):**  
**ACUTE FISH TOXICITY** : LC50 / 96 hours Fathead Minnow - >10,000 mg/L  
**TOXICITY TO DAPHNIA** : EC50 / 48 hours Water flea - 1,919 mg/L  
**PERSISTENCE AND DEGRADABILITY** : No data available.  
**BIOACCUMULATIVE POTENTIAL** : No data available.

**ECOLOGICAL INFORMATION** : **Cocoamidopropyl Betaine**  
**ECOTOXICITY** : Not available  
**PERSISTENCE AND DEGRADABILITY** : No data available  
**BIOACCUMULATIVE POTENTIAL** : No data available

**ECOLOGICAL INFORMATION** : **Alcohols Ethoxylated**  
**ECOTOXICITY** : LC50 Rainbow Trout: 1-10 mg/l, 96hr. Value estimated from tests on similar products.  
 LC50 Fathead Minnow: 6 mg/l, 96hr. Value estimated from tests on similar products.  
**BIODEGRADABILITY** : Readily biodegradable.  
**PERSISTENCE AND DEGRADABILITY** : No data available.  
**BIOACCUMULATIVE POTENTIAL** : No data available.

### SECTION 13 – DISPOSAL CONSIDERATIONS

**WASTE DISPOSAL** : This product must be disposed of in accordance with Federal, state, and local environmental regulations. Discarded materials may be considered hazardous waste due to pH/corrosivity. It is the responsibility of the product user to determine at the time of disposal whether a material containing, or derived from this product,

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should be classified as a hazardous waste

### SECTION 14 – TRANSPORTATION INFORMATION

DOT/IMDG/ IATA PROPER : Not hazardous (DOT)  
 SHIPPING NAME  
 HAZARD CLASS AND LABEL : N/A  
 UN NUMBER : N/A  
 PACKAGING GROUP : N/A  
 EPA REPORTABLE QUANTITY : N/A  
 (RQ)  
 MARINE POLLUTANT : Not listed.  
 EMERGENCY RESPONSE GUIDE : N/A

### SECTION 15 – REGULATORY INFORMATION

#### U.S. FEDERAL REGULATORY INFORMATION:

LISTED CARCINOGEN : Not listed  
 TSC STATUS : The ingredients of this product are listed on TSCA (Toxic Substances Control Act) inventory (40CFR 710.)  
 SARA SECTION 302 : **EXTREMELY HAZARDOUS SUBSTANCES (40 CFR 355, APPENDIX A):**  
 No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.  
 SARA SECTION 311 HAZARD CATEGORIES (40 CFR 370): : Immediate (acute) health hazard. (Dipropylene glycol methyl ether).  
 SARA SECTION 313 : This material 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.  
 CERCLA : No chemicals in this material with known CAS numbers are subject to the reporting requirements of CERCLA.  
 NFPA HEALTH : 2  
 NFPA FLAMMABILITY : 0  
 NFPA REACTIVITY : 0

#### CANADIAN REGULATORY INFORMATION

WHMIS CATEGORY : Class D2B: Materials that cause other toxic effects (TOXIC).  
 D1B: Poisonous and infectious material: Immediate and serious effects (TOXIC).  
 DOMESTIC SUBSTANCES LIST (DSL) : Listed  
 INGREDIENT DISCLOSURE LIST : Listed.



### SECTION 16 – OTHER INFORMATION

DISCLAIMER : The information contained herein has been compiled from sources believed to be reliable and accurate to the best of our knowledge at this date. It is provided without warranty, expressed or implied, as to the results of use of this information or to the product to which it relates. Wesmar Co. assumes no responsibility for injury to any person or property resulting from any use of the material. Each user assumes the risk in their use of this product and should review the data and recommendations in the specific context of their intended use.  
 CERCLA : Comprehensive Environmental Response, Compensation, and Liability Act.  
 EINECS : European Inventory of Existing Commercial Chemical Substances

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|                      |   |
|----------------------|---|
| <b>IMDG</b>          | : International Maritime Code for Dangerous Goods           |
| <b>IARC</b>          | : International Agency for Research on Cancer               |
| <b>IATA</b>          | : International Air Transportation Association              |
| <b>ACGIH</b>         | : American Conference of Governmental Industrial Hygienists |
| <b>NFPA</b>          | : National Fire Protection Association (USA)                |
| <b>NTP</b>           | : National Toxicology Program                               |
| <b>SARA</b>          | : Superfund Amendments and Reauthorization Act              |
| <b>TSCA</b>          | : Toxic Substances Control Act                              |
| <b>HMIS</b>          | : Hazardous Materials Identification System (USA)           |
| <b>WHMIS</b>         | : Workplace Hazardous Materials Information System          |
| <b>LC50</b>          | : Lethal concentration, 50 percent                          |
| <b>LD50</b>          | : Lethal dose, 50 percent                                   |
| <b>STOT</b>          | : Systemic Target Organ Toxicity                            |
| <b>DATE PREPARED</b> | : MAR 1, 2020   |
| <b>DATE REVISED</b>  | : SEP 23, 2025  |