

Safety Data Sheet

GLASS CLEANER Ammonia Free, C-Thru Concentrate

SECTION 1 – PRODUCT IDENTIFICATION

PRODUCT NAME GLASS CLEANER Ammonia Free
SYNONYMS Product is a mixture: C-Thru Concentrate
PRODUCT USE Mildly Alkaline Combustible Material
SUPPLIER WESMAR CO. INC.
SUPPLIER'S ADDRESS 5720 204TH ST. SW, LYNNWOOD, WA 98036
 (206) 783-5344
EMERGENCY RESPONSE PHONE PERS: 1-800-633-8253



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 IF SWALLOWED. Rinse mouth. Do NOT induce vomiting.
 +P331
 : P303+P361 IF ON SKIN (or hair): Remove/Take off immediately all contaminated
 +P353 clothing. Rinse skin with water/shower.
 : P305+P351 IF IN EYES: Rinse cautiously with water for several minutes. Remove
 +P338 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 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 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 ³	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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BOILING POINT	:	Not available
FLASHPOINT	:	105°F (41°C)
EVAPORATION RATE	:	Not available
FLAMMABILITY	:	Combustible
LOWER FLAMMABILITY LIMIT	:	Not applicable
UPPER FLAMMABILITY LIMIT	:	Not applicable
VAPOR PRESSURE	:	Not available
VAPOR DENSITY (AIR=1)	:	Not available
RELATIVE DENSITY	:	0.98
SOLUBILITY IN WATER	:	Soluble in water
PARTITION COEFFICIENT n- OCTANOL/WATER	:	Not available
AUTOIGNITION TEMPERATURE	:	Not available
DECOMPOSITION TEMPERATURE	:	Not available

SECTION 10 – STABILITY AND REACTIVITY

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

SECTION 11 – TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION ACUTE TOXICITY	:	Isopropanol (Isopropyl Alcohol) LD50 Oral (rat): 5045 mg/kg. LD50 Dermal (rabbit): 12,800 mg/kg. LC50 Inhalation (rat) 8hr: 16,000 mg/kg.
OTHER INFORMATION EYES	:	Produces irritation, characterized by a burning sensation, redness, tearing, inflammation, and possible corneal injury. May cause transient corneal injury
OTHER INFORMATION INGESTION	:	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.
OTHER INFORMATION INHALATION	:	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.
OTHER INFORMATION SKIN	:	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.
STOT SINGLE EXPOSURE CARCINOGENICITY	:	Inhalation - May cause drowsiness or dizziness. - Central Nervous System. 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.
TOXICOLOGICAL INFORMATION ACUTE TOXICITY	:	Dipropylene Glycol Methyl Ether LD50 values: Oral LD50: 5152 mg/kg (rat). LC50 dermal and inhalation: Not listed. Eyes: Rabbit: Mild Irritation: 25 hours.
CARCINOGENICITY	:	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.
TOXICOLOGICAL INFORMATION	:	Cocoamidopropyl Betaine

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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 SHIPPING NAME : Not hazardous (DOT)
HAZARD CLASS AND LABEL : N/A
UN NUMBER : N/A
PACKAGING GROUP : N/A
EPA REPORTABLE QUANTITY (RQ) : N/A
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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IMDG	:	International Maritime Code for Dangerous Goods
IARC	:	International Agency for Research on Cancer
IATA	:	International Air Transportation Association
ACGIH	:	American Conference of Governmental Industrial Hygienists
NFPA	:	National Fire Protection Association (USA)
NTP	:	National Toxicology Program
SARA	:	Superfund Amendments and Reauthorization Act
TSCA	:	Toxic Substances Control Act
HMIS	:	Hazardous Materials Identification System (USA)
WHMIS	:	Workplace Hazardous Materials Information System
LC50	:	Lethal concentration, 50 percent
LD50	:	Lethal dose, 50 percent
STOT	:	Systemic Target Organ Toxicity
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