KOR-CHEM

SAFETY DATA SHEET

NOTICE: Judgment may be based on indirect test and technical literature. The OSHA Hazard Communication Standard only requires SDS's and special labeling for materials defined as "HAZARDOUS"; see 29 CFR 1910.1200 (c). This document may be about a product which is NOT hazardous but is provided as information for our customers. See references for information.

SECTION 1. IDENTIFICATION

Product Identifier: Clear Vue Concentrate
Product Use: 12:1 Glass Cleaner Conentrate
Manufactured by: Kor-Chem Inc.
5800 Bucknell Drive
Atlanta, GA 30336

Product Identification # (PIF): 02189
Emergency Telephone #: 1-800-255-3924
General Information #: 404-344-9580
Date Prepared: June 2, 2015
Date Revised: January 28, 2026
Revised: 2

SECTION 2. HAZARD(S) IDENTIFICATION



Signal Word: DANGER

Hazard Class	Category	Code	Hazard Statement
Eye Irritation	2B	H320	Causes eye irritation
Flammable Liquid	3	H226	Flammable liquid and vapor
STOT, SE; Narcotic Effects	3	H336	May cause drowsiness or dizziness
Acute Toxicity, Inhalation	4	H332	Harmful if inhaled
Acute Toxicity, Dermal	5	H313	May be harmful in contact with skin
Acute Toxicity, Oral	3	H301	Toxic if swallowed

Description of any hazards not otherwise classified:
May cause eye and skin irritation. Prolonged/repeated skin exposure may cause dermatitis. Harmful if absorbed through skin. High vapor concentrations may cause CNS depression, headache, dizziness and nausea. May be fatal or cause blindness if swallowed in large amounts.

Precautionary	Code	Statement
General	P101	If medical advice is needed, have product label at hand.
	P102	Keep out of reach of children.
	P103	Read label before use.
Prevention	P210	Keep away from heat/sparks/open flames/hot surfaces – No smoking.
	P233	Keep container tightly closed.
	P240	Ground/bond container and receiving equipment.
	P241	Use explosion-proof electrical/ventilating/light/equipment.
	P242	Use only non-sparking tools.
	P243	Take precautionary measures against static discharge.
	P261	Avoid breathing fumes/mists/vapors/sprays.
	P264	Wash thoroughly after handling.
	P270	Do not eat, drink or smoke when using this product.
	P271	Use only outdoors or in a well-ventilated area.
	P280	Wear protective gloves/protective clothing/eye protection/face protection.
Response	P301+P310	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physican.
	P321	Specific treatment: See Section 4 First Aid Measures.
	P330	Rinse mouth.
	P303+P361+P353	IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Wash with soap and water.
	P312	Call a POISON CENTER or doctor/physican if you feel unwell.
	P322	Specific measures: See Section 4 First Aid Measures.
	P363	Wash contaminated clothing before reuse.
	P304+P340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
	P312	Call a POISON CENTER or doctor/physician if you feel unwell.
	P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if easy to do so
	P337+P313	If eye irritation persists: Get medical advice/attention
	P370+P378	In case of fire: Use alcohol foam, dry chemical, carbon dioxide fire extinguishers or water spray.
Storage	P403+P235	Store in a well ventilated place. Keep Cool.
	P405	Store locked up.
Disposal	P501	Dispose of contents/container in compliance with all Federal, State/Provincial and local laws and regulations.

SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient	Common Names	CAS #	Concentration Range %
Isopropyl Alcohol	Isopropanol	67-63-0	6 – 10
Methyl alcohol	Methanol	67-56-4	1 – 5
1-Methoxy-2-propanol	Propylene glycol monomethyl ether	107-98-2	1 – 5
Ammonium hydroxide	Ammonia	1336-21-6	0 – 3

SECTION 4. FIRST AID MEASURES

Eyes: Flush well with water for at least 15 minutes, holding eyelids open. Remove any contact lenses and continue rinsing. Seek medical attention if irritation persists.
Skin: Immediately flush with plenty of water for at least 15 minutes. Remove contaminated clothing and launder before reuse. Call a physician or poison control center if you feel unwell.
Inhalation: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If breathing is difficult, have a trained person administer oxygen. If respiration stops, have a trained person administer artificial respiration by way of pocket mask equipped with one-way valve or other proper respiratory device – Do NOT use mouth-to-mouth method if victim inhaled material. Call a physician.
Ingestion: Call a physician or poison control immediately. Only induce vomiting at the instruction of medical personnel. Never give anything by mouth to an unconscious person. If vomiting occurs spontaneously, keep head below hips to prevent aspiration.

SECTION 5. FIRE-FIGHTING MEASURES

Extinguishing Media: Alcohol foam, dry chemical, carbon dioxide fire extinguishers or water spray. Use water spray to cool containers.
Specific hazards arising from chemical: Vapors are heavier than air and may travel along the ground to an ignition source. Vapors may cause flash fire or ignite explosively. Prevent buildup of vapors to explosive concentrations.
Hazardous combustion products: Oxides of carbon and nitrogen.
Firefighting protective equipment: Wear a self-contained breathing apparatus with a full face piece operated in the positive pressure demand mode with appropriate turn-out gear and chemical resistant personal protective equipment.
Sensitivity to static discharge: This product is flammable and readily ignited even by static discharge.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Use personal protective equipment. Eliminate all ignition sources. Ventilate area.
For Small Spills: Avoid dispersal of material and runoff into soil, waterways, drains and sewers. Vapor-suppressing foam may be used to reduce vapors. Wash walking surfaces with water. Absorb spill with vermiculite or other inert material, then place in a container for chemical waste with non-sparking tools. Dispose of contaminated absorbent material in accordance with local, state and federal regulations.
For Large Spills: Large spills cannot occur due to packaging.

SECTION 7. HANDLING AND STORAGE

Handling: Wear personal protection equipment. Use with adequate ventilation. Avoid breathing fumes/mists/vapors/sprays. Do not handle around sources of ignition. Follow US NFPA 30 on safe handling of flammable and combustible liquids. Use proper bonding and grounding during product transfer as described in document NFPA 77. Vapors are heavier than air and may travel along the ground to an ignition source. Never use welding or cutting torch on or near drum (even empty) because product can ignite explosively. Do not premix with other chemicals. Do not eat, drink or smoke in work areas. Wash thoroughly after handling.
Storage: Keep away from heat, flame, or sunlight. Keep from freezing. Keep container tightly closed when not in use. Store in a well-ventilated place. Keep cool. Store locked up. Protect from physical damage. Store away from strong acids, strong bases, strong oxidizing agents, perchlorates, peroxides.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Ingredient	CAS #	OSHA/PEL	ACGIH/TLV	STEL
Isopropyl Alcohol	67-63-0	400ppm	200ppm	200ppm
Methyl alcohol	67-56-4	200ppm	200ppm	250ppm
1-Methoxy-2-propanol	107-98-2	Not determined	100ppm	150ppm
Ammonium hydroxide	1336-21-6	50ppm	25ppm	Not established

Engineering Controls: Provide adequate ventilation. Observe occupational exposure limits and keep the risk of exposure to a minimum.
Personal protective equipment:

Eye: Safety glasses with side shields or splash proof goggles.
Skin: Chemical resistant gloves. Normal materials handling clothing area.
Respirator: Use NIOSH approved protection if PEL is exceeded, if ventilation is inadequate, or if vapors are causing irritation.
Other: Use only in a well ventilated area. Do not eat, drink or smoke while handling. Wash thoroughly after handling.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Dark blue, clear liquid
Odor	Alcohol
Odor threshold	Not determined
pH	10 – 11.9
Melting point	Not determined
Boiling point	Not determined
Flash point	98ºF (37ºC)
Evaporation rate (n-butyl acetate=1)	>1
Flammability	Class IC Flammable
Upper/Lower flammability limits	Not determined
Vapor pressure	>0.1mmHg @ 20ºC
Vapor density (Air = 1)	>1
Relative density (water = 1.0)	0.970 g/ml
Solubility	Complete in water
Partition coefficient (n-octanol/water)	Not determined
Auto-ignition temperature	Not determined

Decomposition temperature	Not determined
Viscosity	Not determined
%Volatile/Volume	99.6

SECTION 10. STABILITY AND REACTIVITY

Reactivity: Not reactive under normal conditions.
Chemical stability: Stable under normal, ambient temperature and conditions.
Possibility of hazardous reactions: Hazardous polymerization will not occur.
Conditions to avoid: Heat, flame and sparks. Keep from freezing. Do not mix with other chemicals
Incompatible materials: Avoid strong acids, strong bases, strong oxidizing agents, perchlorates, peroxides.
Hazardous combustion products: Oxides of carbon and nitrogen.

SECTION 11. TOXICOLOGICAL INFORMATION

Acute and Chronic Toxicity (short and long term):
- Oral (LD50 Rat): 10.7g/kg
- Dermal (LD50 Rabbit): 27.1g/kg
- Inhalation (LC50 Rat): >20ppm vapors

Eye Contact: May cause eye irritation.
Skin Contact: May cause skin irritation. Harmful if absorbed through skin – may result in visual disturbances, metabolic acidosis, headache, giddiness, nausea, insomnia, gastric disturbances, dizziness and slow breathing.
Inhalation: Vapors harmful – high vapor concentrations may result in symptoms similar to skin absorption.
Ingestion: May be fatal or cause blindness or coma if swallowed in large amounts.
NTP/IARC/OSHA Carcinogen: Isopropyl alcohol (IARC)

SECTION 12. ECOLOGICAL INFORMATION

Aquatic Effects:
- 96h LC-50 (fish): >10000microliters/l
- 96h LC-50 (invertebrates): >1000microliters/l
- 48h LC-50 (algae): Not determined

Persistence and degradability: Expected to be readily biodegradable.
Bioaccumulation: No data available.
Mobility: This product is soluble in water and may spread in water systems. This product is partially volatile and may spread in the atmosphere. Soil mobility not determined.
Environmental Toxicity: Methanol and ammonia may have serious effects on aquatic life.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal of Wastes: Do not dump into sewers, on the ground or into any waterways. All disposal practices must be in compliance with all Federal, State/Provincial and local laws and regulations.
Contaminated Packaging: Since emptied containers retain product residue, follow label warnings even after container is emptied. Do not cut, drill, grind or weld on or near the container.
RCRA: A waste containing this product may have the RCRA hazardous waste no. U154 (Methanol) and D001 (Ignitable) (40 CFR 261.22).

SECTION 14. TRANSPORT INFORMATION

United States DOT:

Container of 119 gallons or less:
49 CFR 173.150(e) *Aqueous solutions of alcohol.* This material is not regulated under 49 CFR if in a container of 119 gallon capacity or less for ground transportation. Exception CFR 173.150(f)(2): Combustible liquids. This exception does not apply to transportation by vessel or aircraft.

Container of 120 gallons or more:
- UN/ID No.: UN1993
- Proper Shipping Name: Flammable Liquids, n.o.s., (Isopropanol, Methanol, 1-Methoxy-2-propanol)
- Hazard Class: 3
- Packing Group: III

IATA and IMDG:
- UN/ID No.: UN1993
- Proper Shipping Name: Flammable Liquids, n.o.s., (Isopropanol, Methanol, 1-Methoxy-2-propanol)
- Hazard Class: 3
- Packing Group: III
- Marine Pollutant (IMDG Code): No
- Transportation in bulk (IMDG - Annex II of MARPOL 73/78 and IBC Code): Not offered in bulk for transport overseas.

SECTION 15. REGULATORY INFORMATION

TSCA: All components of this product are on the TSCA inventory or are exempt from TSCA inventory requirements under 40 CFR 720.30.
SARA Section 302: The components of this product are either not regulated or regulated, but present in negligible concentrations.
SARA TITLE III Section 311/312:

Immediate (Acute) Health	Yes	Fire Hazard	Yes
Delayed (Chronic) Health	Yes	Reactive Hazard	No

SARA Title 313: This material contains the following chemical components with known CAS numbers subject to reporting requirements (40 CFR 372): Methyl Alcohol CAS# 67-56-4 Reporting Threshold = 1.0%, Ammonium Hydroxide CAS# 1336-21-6 Reporting Threshold = 1.0%.
CERCLA: At 100% concentration, Methyl Alcohol (CAS# 67-56-4) has a reportable quantity of 5,000 lbs., and Ammonium Hydroxide (CAS #1336-21-6) has a reportable quantity of 1,000 lbs., however, this product is not considered a Hazardous Substance since the quantity does not equal or exceed the RQ in one package (49 CFR 171.8, definition of "Hazardous Substance").
United States Right-To-Know: Isopropyl Alcohol CAS# 67-63-0 - Massachusetts, New Jersey and Pennsylvania. Methyl Alcohol CAS# 67-56-4: Massachusetts, Minnesota, Missouri, New Jersey and Pennsylvania. 1-Methoxy-2-propanol CAS# 107-98-2 – Massachusetts, New Jersey, Pennsylvania. Ammonium Hydroxide CAS# 1336-21-6: Massachusetts, New Jersey, Pennsylvania and Rhode Island.
Proposition 65: ⚠ **WARNING:** This product can expose you to **methyl alcohol (methanol)**, a chemical known to the State of California to cause **birth defects or other reproductive harm**. For more information, go to **www.P65Warnings.ca.gov**.
RCRA: A waste containing this product may have the RCRA hazardous waste no. U154 (Methanol) and D001 (Ignitable) (40 CFR 261.22).

SECTION 16. OTHER INFORMATION

Hazard Ratings (HMIS): Health 2, Flammability 3, Reactivity 0. Personal Protection Rating to be supplied by user based on use conditions.
Product VOC: 14%
Carefully read all instructions on label before handling this product.
Keep out of reach of children.
FOR INDUSTRIAL USE ONLY

Abbreviation	Full Name/Explanation
ACGIH	American Conference of Government Industrial Hygienists
CAS	Chemical Abstract Service
CERCLA	Comprehensive Environmental Response Compensation and Liability Act
CNS	Central Nervous System
CFR	Code of Federal Regulations
DOT	Department of Transportation
EC	Effective Concentration
HMIS	Hazardous Material Information System
LC	Lethal Concentration
LD	Lethal Dose
NA	Not Applicable
ND	Not Determined
NE	Not Established
NIOSH	National Institute for Occupational Safety and Health
OSHA	Occupational Safety and Health Administration
PEL	Permissible Exposure Limit
RCRA	Resource Conservation Recovery Act
SARA	Superfund Amendments and Reauthorization Act
STEL	Short-Term Exposure Limit
TLV	Threshold Limit Value
TSCA	Toxic Substance Control Act
VOC	Volatile Organic Compounds

The information contained herein is based on data available to us and is believed to be correct. We make no warranty, however, expressed or implied regarding the accuracy of these data or the results obtained from the use thereof.
Regulatory Standards: DOT TITLE 49, Code of Federal Regulations 172.101: Parts 100 to 177, Revised 10/1/92.
SUPER FUND AMENDMENTS REAUTHORIZATION ACT OF 1986, TITLE III TOXIC SUBSTANCE CONTROL ACT LIST (TSCA)- INGREDIENTS LISTED. REGISTRY OF TOXIC EFFECTS OF CHEMICAL SUBSTANCES NATIONAL TOXICOLOGICAL PROGRAM (NTP) REPORT OF CARCINOGENS INTERNATIONAL AGENCY FOR RESEARCH ON CANCER (IARC) MONOGRAPHS, OCCUPATIONAL SAFETY & HEALTH REGULATIONS. CODE OF FED. REGS. FOOD & DRUG, 21 PARTS 170 to 199, Revised 4/1/91, 173.310.