



TECHNICAL DATA SHEET

COOPERS

Glass Cleaner

DESCRIPTION: Dilutable, super concentrate, ammoniated windshield, window, glass cleaner. One gallon makes nine gallons of ready-to-use glass cleaner. Cleans thoroughly, dries quickly.



Advantages:

CLEANS • SHINES • POLISHES

Leaves no dirt-catching film, no streaks, no smears.

Wets the entire surface, penetrates soil quickly.

Dissolves the oily film that holds the dirt.

Economical — Dilutes easily for ready-to-use glass cleaner.

Versatile — use on windows, mirrors, plate glass, glass furniture tips, light fixtures, counters, exhaust hoods, display cases, walls, and similar surfaces. A balanced blend of cleaning agents quickly penetrates, removes dirt, soot, fingerprints, perspiration, food soil, and steam vapors.

Contains no oils, petroleum solvents.

Excellent for cleaning windshields and wipers.

Removes bugs easily from glass area, trim, or painted surfaces. In any weather, completely dissolves rubber wiper streaks.

Specifications:

Physical Form	Clear liquid
Color	Blue
Scent	Ammonia
Specific Gravity	0.94
Density	7.84 lbs. per gallon
Foam Test	Initial — 30mm
1% Solution	5 minutes — 5mm
pH 2% Solution	9.85
Active Alkalinity as Na ₂ O	0.698%
Total Alkalinity as Na ₂ O	0.874%
Total Solids	less than 0.5%

Directions:

SPRAY CLEANING:

Summer: Mix 1 quart concentrate with 4 to 8 quarts water

Winter: Mix 1 quart concentrate with 1 to 3 quarts water

SHOWROOM WINDOWS:

Pour a few ounces into a pail. Add water. Brush the window. Squeegee dry.

FREEZING POINTS:

As is Freezes at -20°F

1 to 1 Freezes at 3°F

1 to 3 Freezes at 21°F

CAUTION

KEEP OUT OF REACH OF CHILDREN

Shipping Weight in pounds:

Case 4 Plastic Gallons

23.5 pounds



Warsaw Chemical CO. INC.
P.O. BOX 858 • Warsaw, Indiana 46581
ORDERS: 800-548-3396

MATERIAL SAFETY DATA SHEET

Prepared According to 29 CFR 1910, 1200

N/A (Not Applicable) N/E (Not Established)

SECTION I - PRODUCT IDENTIFICATION

PRODUCT NAME: Coopers
GENERIC NAME: Glass Cleaner Concentrate

CHEMICAL FAMILY: Flammable Liquid Mixture
PROPER SHIPPING NAME: N.O.S., 3 UN1993
(Isopropyl alcohol) Not regulated in case gallons or less

HMIS HAZARDOUS MATERIALS IDENTIFICATION SYSTEM

HEALTH _____ 2
FLAMMABILITY _____ 2
REACTIVITY _____ 0
PERSONAL PROTECTION _____ B

HAZARD RATING

4 = EXTREME
3 = HIGH
2 = MODERATE
1 = SLIGHT
0 = INSIGNIFICANT

SECTION II - HAZARDOUS INGREDIENTS IDENTITY INFORMATION

HAZARDOUS COMPONENTS	CAS#	TLV	% WT (OPT)
Isopropyl alcohol	67-63-0	400 ppm	<60%
*Ethylene glycol monomethyl ether	109-86-4	25 ppm	<10%
*Aqua ammonia		50 ppm	<10%

*Notification of this chemical is required by SARA III Section 313.
You may be required to report this chemical accordingly.

SECTION IV - SPECIAL PROTECTIVE EQUIPMENT

RESPIRATORY PROTECTION: None generally needed
PROTECTIVE GLOVES: Impervious
EYE PROTECTION: None generally required
VENTILATION: Room ventilation is generally adequate
OTHER PROTECTIVE EQUIPMENT: Sufficient to prevent skin contact.
Eyewash and shower located near the workplace.

SECTION VI - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (METHOD USED): 84°F
UPPER EXPLOSIVE LIMIT: N/E **LOWER EXPLOSIVE LIMIT:** N/E
EXTINGUISHING MEDIA: Water, foam, dry chemical, Co2
SPECIAL FIRE FIGHTING PROCEDURES: Self contained breathing apparatus and full protective clothing should be worn when fighting fires involving chemicals.
UNUSUAL FIRE AND EXPLOSION HAZARDS: Containers exposed to intense Heat should be cooled with water to prevent vapor build up and rupture.

SECTION VII - FIRST AID

EYES: Flush with water for at least 15 minutes, be sure to keep eyelids opened. Get immediate medical attention if irritation persists.

SKIN: Wash with plenty of soap and water. Wash contaminated clothing before wearing. Get medical attention if irritation persists.

INGESTION: Give milk or water to dilute. DO NOT INDUCE VOMITING. Get immediate medical attention. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

INHALATION: Remove victim to fresh air. If person is having difficulty in breathing, perform artificial respiration and get immediate medical attention.

SECTION IX - STORAGE AND HANDLING

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:

Use common sense and sound industrial hygiene practices when handling this material as well as any other materials. Keep container closed when not in use. Wash hands after handling. Keep out of reach of children. Wear appropriate personal protection to avoid eye and skin contact.

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WARSAW, IN 46581
574-267-3251 FAX 574-267-3884

INFOTRAC 24-hour emergency response number: 1-800-535-5053

SECTION X - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Remove all ignition sources. Wear necessary personal protective equipment. Evacuate all unnecessary personnel. Dike area to prevent spreading of the spilled material. Cover with an inert absorbent (sand, clay, etc.), shovel into appropriate containers, and dispose of in accordance with federal, state, and local regulations.

EMPTY CONTAINERS DISPOSAL: Any disposal practices must be in compliance with federal, state and local laws. Any questions regarding disposal should be directed to the proper government agency.

SECTION III - PHYSICAL DATA

PHYSICAL DESCRIPTION:
Clear blue liquid, ammonia odor
BOILING RANGE (°F): 120°F
VAPOR PRESSURE: N/E
% VOLATILE: <80%
SOLUBILITY IN WATER: Complete
SPECIFIC GRAVITY: .94
EVAPORATION RATE: N/E
pH:

SECTION V - REACTIVITY DATA

STABILITY: Stable
INCOMPATIBILITY (Materials to Avoid): Do not store in aluminum or at temperatures above 120°F

HAZARDOUS DECOMPOSITION PRODUCTS: None known

HAZARDOUS POLYMERIZATION:
Will not occur

SECTION VIII - HEALTH HAZARDS

EFFECTS OF OVEREXPOSURE (Primary Route of Entry)

SKIN: Irritant

EYES: Irritant

INHALATION: Irritant

CARCINOGENS: None suspected

NTP: OSHA: IARC: ACGIH:
OTHER:

04/26/02