

MATERIAL SAFETY DATA SHEET**HAZARD RATINGS**

Health:	2
Flammability:	1
Reactivity:	0
Personal Protection:	B

NOTICE: Judgment may be based on indirect test and technical literature. The OSHA Hazard Communication Standard only requires MSDS'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 I. PRODUCT IDENTIFICATION

Product Identifier: 20/20 Glass Cleaner

Product Identification #(PIF): 189

Distributed By: K-Chem, Inc.
P.O. Box 530632
Birmingham, AL 35253

Chemical Emergency: 1-800-255 3924
General Information: (205)592-0844
Prepared by: Chad C. Parson
Date Prepared: 01/21/97

SECTION II. HAZARDOUS INGREDIENTS

	CAS#	OSHA/PEL	TLV	STEL	max. %
Isopropyl alcohol	67-63-0	400mg/m ³	400mg/m ³	500mg/m ³	<9.0
Methyl alcohol	107-21-1	NE	50mg/m ³	NE	<4.0
Propylene glycol monomethyl ether	107-98-2	NE	100mg/m ³	150mg/m ³	<4.0
Ammonia	7664-41-7	50mg/m ³	25mg/m ³	35mg/m ³	<3.0

SECTION III. HEALTH HAZARD INFORMATION

Primary Routes of Entry: X *Skin Absorption*, X *Eyes*

♦ *Effects of overexposure:*

- Eye Contact: May cause irritation.
- Skin Contact: Prolonged or repeated contact may cause irritation.
- Inhalation: May cause headache and dizziness.
- Ingestion: **TOXIC BY INGESTION.**

SECTION IV. EMERGENCY FIRST AID

♦ *Eyes:* Flush well with water for at least 15 minutes.

♦ *Skin:* Wash with soap and water.

♦ *Inhalation:* Remove to fresh air.

♦ *Ingestion:* If swallowed and victim is fully conscious, **INDUCE VOMITING IMMEDIATELY** by giving two glasses of water and sticking finger down throat. Get medical help.

SECTION V. FIRE & EXPLOSION DATA

Flash Point: 136°F

Test Method: T.C.C.

Flammability Limits In Air, % by Volume: Lower ND Upper NDExtinguishing Media: Use water spray, CO₂, or dry chemical to extinguish fires.♦ *Special Fire Fighting Procedures:* NONE♦ *Unusual Fire Fighting Hazard:* NONE**SECTION VI. REACTIVITY DATA:**

PRODUCT IS STABLE.

♦ *STABLE;* Hazardous polymerization will NOT occur.

SECTION VII. HANDLING & STORAGE

Keep container closed, when not in use.

SECTION VIII. EXPOSURE CONTROL/PERSONAL PROTECTION

Dermatitis may result from repeated exposure. Use chemical resistant gloves and eye protection when applying.

SECTION IX. SPECIAL PRECAUTIONS/ OTHER COMMENTS

Avoid heat.

SECTION X. PHYSICAL DATA

ND = Not Determined; NA = Not Applicable

Boiling point: NA
Specific Gravity, (water + 1.0):0.96-0.98 pH, range: 10.0-12.0
Vapor Pressure: ND
Vapor Density: (Air = 1): ND Solubility: Soluble (X); Dispersible (); not Miscible ().
% Volatile/ volume: 92% Evaporation Rate: ND

Description/odor: Clear blue liquid with ammonia odor.

SECTION XI. TOXICOLOGICAL INFORMATION

ND

SECTION XII. ECOLOGICAL INFORMATION

ND

SECTION XIII. ACCIDENTAL RELEASE MEASURES/ DISPOSAL INFORMATION

Large spills can not occur because of packaging. Dam up spills with inert material (dry sand, earth, or sorbant). Then place in a chemical waste container. Do not use combustible material such as sawdust. Flush the residual area with water to drain, according to local, state and federal regulations. Do not release to open, public waters.

SECTION XIV. TRANSPORT INFORMATION

Hazardous according to Table 49 CFR 172.101: **Flammable Liquid, N.O.S., (Isopropanol, Methanol), 3, UN1993, I.**

SECTION XV. REGULATORY INFORMATION

Ammonia must be reported when in excess of 12,920 pounds of product making it a reportable quantity of 100 pounds as specified by Sec 313. Methanol must be reported when in excess of 145,773 pounds of product making it a reportable quantity of 5,000 pounds as specified by Sec 313. Inventory of Chemical Substances (EPA) under authority of the Toxic Substances Control Act (TSCA).

SECTION XVI. ADDITIONAL INFORMATION

OSHA list (29 FR 1910.1200) as hazardous chemical.

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.