

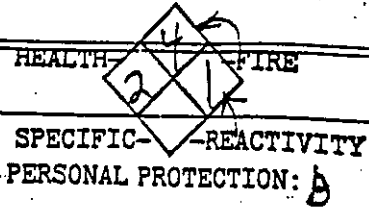
MATERIAL SAFETY DATA SHEET

#45

000120 45

HAZARD RATING

DATE OF PREP. 4-17-84



Section I

WINDERS PRODUCTS COMPANY
 West Spring Street
 PORT AUSTIN, MICHIGAN 48467
GAGE PRODUCTS COMPANY

625 WANDA
 FERNDALE, MICHIGAN 48220
 (313) 541-3824

PRODUCT CLASS

MANUFACTURERS IDENTIFICATION

Alcohol CAS # 67-56-1
 TRADE NAME UN # 1230

Methanol

Section II — HAZARDOUS INGREDIENTS

INGREDIENT	PERCENT	TLV		LEL	VAPOR PRESSURE
		PPM	mg/M ³		
Methanol	99.85	200	1000	6.0	97mmHg @68°F

Section III — PHYSICAL DATA

BOILING RANGE 147°-148°F VAPOR DENSITY HEAVIER, LIGHTER, THAN AIR
 EVAPORATION RATE FASTER SLOWER, THAN ETHER PERCENT VOLATILE BY VOLUME 99.85 WEIGHT PER GALLON 6.60

Section IV — FIRE AND EXPLOSION HAZARD DATA

FLAMMABILITY CLASSIFICATION Flammable liquid FLASHPOINT 54°F (T.C.C.) LEL 6.0
 EXTINGUISHING MEDIA Water fog, CO₂, dry chemical
 UNUSUAL FIRE AND EXPLOSION HAZARDS Never use welding or cutting torch on or near drum (even empty), the product or any residue can ignite explosively.
 SPECIAL FIRE FIGHTING PROCEDURES Self-contained breathing apparatus with a full facepiece operated in pressure-demand or other positive pressure mode.

The information contained herein is based on data considered accurate. However, no warranty is expressed or implied regarding the accuracy of this data or the results to be obtained from the use thereof. We neither suggest nor guarantee that any hazards mentioned are the only ones which exist. Employers should use this information only as a supplement to other information to assure proper use of this material and the health and safety of employees.

Section V — HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE 200 ppm (skin)

EFFECTS OF OVEREXPOSURE

ACUTE Excessive inhalation of vapors can cause nasal and respiratory irritation, dizziness, weakness, fatigue, nausea, and possible asphyxiation. Swallowing can cause blindness and death. Possible eye damage.

CHRONIC

EMERGENCY AND FIRST AID PROCEDURES

Eye contact: Flush with water for at least 15 minutes.

Skin contact: Wash thoroughly with soap and water.

Ingestion: Give two glasses of water and induce vomiting, call physician immediately

Inhalation: Remove victim to fresh air, restore breathing if necessary.

Section VI — REACTIVITY DATA

STABILITY UNSTABLE STABLE

CONDITIONS TO AVOID

INCOMPATIBILITY (Materials to avoid)

Heat, sparks, and open flames

Strong oxidizing agents

HAZARDOUS DECOMPOSITION PRODUCTS

CO, CO₂

HAZARDOUS POLYMERIZATION MAY OCCUR WILL NOT OCCUR

CONDITIONS TO AVOID

Section VII — SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

1. Eliminate all sources of ignition. 2. Stop spill at source. 3. Contain spill by dike, ect. 4. Pump into grounded salvage tank.

WASTE DISPOSAL METHOD

Incinerate in accordance with federal, state, and local regulations.

Section VIII — SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION

If TLV is exceeded, a NIOSH MSHA jointly approved air supplied respirator is advised.

VENTILATION

Provide general dilution or exhaust ventilation and pattern to keep TLV of hazardous ingredients in Section II below stated limit, and LEL in Section IV below stated limit.

PROTECTIVE GLOVES

Recommended

EYE PROTECTION

Safety glasses with side shields.

OTHER PROTECTIVE EQUIPMENT

Section IX — SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Handle and store as a flammable liquid.

DOL STORAGE CATEGORY

Aluminum may form an oxide scale on prolonged exposure.

OTHER PRECAUTIONS

1. Since empty containers retain product vapors, which may be explosive, keep away from heat, sparks, and open flames.
2. Do not cut, puncture, or weld on or near emptied containers.
3. Ground all equipment to prevent accumulation of static charge.