



**Fisher
Scientific**

**ACROS
ORGANICS**

MSDS

**IMPORTANT SAFETY INFORMATION -- DO NOT DISCARD.
PLEASE ROUTE TO COMPANY SAFETY OFFICER.**

T
TOTALMED DIAGNOSTIC CORP

846 PELHAM PARKWAY
ABCO DEALER
SUB OF MICRO BIO MEDICS
PELHAM MANOR NY 10803

**IF NAME AND/OR ADDRESS HAVE CHANGED, CONTACT YOUR
SALES REPRESENTATIVE OR LOCAL BRANCH.**

FOR EACH CHEMICAL, A MSDS SHEET WILL BE SENT ONLY ON THE
FIRST SHIPMENT UNLESS A SUBSTANTIAL REVISION OCCURS.

REQUIRED MATERIAL SAFETY DATA SHEETS (MSDS) NOT INCLUDED IN
THIS MAILING WILL FOLLOW UNDER SEPARATE COVER.

THIS PACKET MAY CONTAIN MSDS FOR PRODUCTS MANUFACTURED BY
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ORGANICS. THESE MSDS WERE PREPARED BY THE MANUFACTURER
AND FISHER/ACROS DISCLAIMS ALL LIABILITY FOR THE CONTENT.

**NEW!!! FISHER SCIENTIFIC AND ACROS ORGANICS MSDS ARE NOW
AVAILABLE ELECTRONICALLY THROUGH CHEMEXPRESS®.
CHEMEXPRESS IS OBTAINABLE ON CD OR DISKETTES; WINDOWS OR
MACINTOSH; SINGLE USER OR NETWORK. FOR PRICING AND
ORDERING INFORMATION, PLEASE CALL 1-800-766-7000.**

**FISHER SCIENTIFIC HAS A COMPLETE LINE OF SAFETY PRODUCTS AND INFORMATION FOR THE LABORATORY.
CONTACT YOUR LOCAL FISHER BRANCH FOR FILMS, BROCHURES, CATALOGS AND PRODUCTS.
THE NEW ACROS ORGANICS CATALOG OFFERS ONE OF THE BROADEST LINES OF ORGANIC CHEMICALS
IN THE WORLD. CONTACT YOUR LOCAL FISHER BRANCH TO PLACE AN ORDER, TO RECEIVE A CATALOG
OR TO RECEIVE A FREE SUBSCRIPTION TO THE ACROS ORGANICS ACTA.**

DATE: 01/26/99 ACCT: 833626001 PD NBR: 592726
 INDEX: H90254300 CAT NO: A412500

respiratory failure. May cause kidney failure.
 May cause respiratory tract irritation. May cause liver and kidney damage. May cause adverse central nervous system effects including headache, convulsions and possible death. May cause visual impairment and possible permanent blindness. May cause effects similar to those described for ingestion.
 Chronic:
 Prolonged or repeated skin contact may cause dermatitis. Chronic inhalation and ingestion may cause effects similar to those of acute inhalation and ingestion.

**** SECTION 4 - FIRST AID MEASURES ****

Eyes: Flush eyes with plenty of water for at least 15 minutes. Occasionally lift up the upper and lower lids. Get medical aid immediately. Do NOT allow victim to rub or keep eyes closed.
Skin: Flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes. Get medical aid if irritation develops or persists.
Ingestion: If victim is conscious and alert, give 2-4 cupfuls of milk or water. Get medical aid immediately. Induce vomiting by giving one teaspoon of Syrup of Ipecac.
Inhalation: Get medical aid immediately. Remove from exposure to fresh air immediately if not breathing. Give artificial respiration. If breathing is difficult, give oxygen.
Notes to Physician: Effects may be delayed. Ethanol may inhibit metabolism.
Antidote: No specific antidote exists.

**** SECTION 5 - FIRE FIGHTING MEASURES ****

General Information: Containers can build up pressure if exposed to heat and/or fire. As in any fire, wear a self-contained breathing apparatus in protective gear. Vapors can be irritating and highly toxic. Backdrafting may occur. Do not use water on fire. Do not use flash back. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. Flammable Liquid. Can release vapors that form explosive mixtures at temperatures above the flashpoint.
Extinguishing Media: For small fires, use dry chemical, carbon dioxide, water spray or alcohol-resistant foam. Use water spray to cool fire-exposed containers. Water may be ineffective.
Auto-ignition Temperature: 350 deg C (651.00 deg F)
Flash Point: 12 deg C (54 deg F)
NFPA Rating: health-1, flammability-3, reactivity-0
Explosion Limits: Lower: 8.00 vol %
 Upper: 31.00 vol %

**** SECTION 6 - ACCIDENTAL RELEASE MEASURES ****

General Information: Use proper personal protective equipment as indicated in Section 8.
Spills/Leaks: Scoop up with a nonsparking tool, then place into a suitable container for disposal. Use water spray to disperse the gas/vapor. Remove all sources of ignition. Absorb spill using an absorbent, non-combustible material such as earth, sand, or vermiculite.

**** SECTION 7 - HANDLING AND STORAGE ****

Handling: Wash thoroughly after handling. Remove contaminated clothing and retain. Do not reuse. Use with adequate ventilation. Empty containers may contain residual liquid or solids. Do not reuse. Do not get on skin or in eyes. Do not ingest. Do not breathe vapors. Do not use open flame. Do not use heat. Do not use containers to heat, sparks or open flames.
Storage: Keep away from sources of ignition. Store in a cool, dry, well-ventilated area away from incompatible substances. Flammables-area.

**** SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION ****

Engineering Controls: Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits.

Chemical Name	Exposure Limits	ACGIH	NIOSH	OSHA - Final PELs
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**** MATERIAL SAFETY DATA SHEET ****

**** SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION ****

Chemical Name: Methyl Alcohol
CAS#: 67-56-1
Chemical Name: Methyl alcohol
EINECS#: 200-659-6
Hazard Symbols: T F
Risk Phrases: 11 23/25
EMERGENCY OVERVIEW
Appearance: clear, colorless. Flash Point: 12 deg C.
Danger: Flammable liquid. Harmful to health. May cause central nervous system depression. May be absorbed through the skin.
May cause kidney damage. Poison! May cause respiratory and digestive tract irritation. Cannot be made non-poisonous. Causes eye and skin irritation. May be fatal or cause blindness if swallowed.
Target Organs: Kidneys, central nervous system, liver, eyes.
Potential Health Effects
Eyes: Causes moderate eye irritation. Vapors may cause eye irritation. May cause painful sensitization to light.
Skin: May cause skin irritation. May be absorbed through the skin in harmful amounts.
Ingestion: May cause irritation of the digestive tract. May cause central nervous system depression, characterized by excitement, followed by headache, dizziness, drowsiness, and nausea. Advanced stages may cause collapse, unconsciousness, coma and possible death due to

****** SECTION 2 - COMPOSITION, INFORMATION ON INGREDIENTS ******

CAS#	Chemical Name	%	EINECS#
67-56-1	Methyl alcohol	99%	200-659-6

**** SECTION 3 - HAZARDS IDENTIFICATION ****

EMERGENCY OVERVIEW
Appearance: clear, colorless. Flash Point: 12 deg C.
Danger: Flammable liquid. Harmful to health. May cause central nervous system depression. May be absorbed through the skin.
May cause kidney damage. Poison! May cause respiratory and digestive tract irritation. Cannot be made non-poisonous. Causes eye and skin irritation. May be fatal or cause blindness if swallowed.
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Engineering Controls: Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits.

None of the chemicals in this product are considered highly hazardous by OSHA.

STATE: ME
Methyl alcohol can be found on the following state right to know lists: California, New Jersey, Florida, Pennsylvania, Minnesota, Massachusetts, California
No Significant Risk Level:
None of the chemicals in this product are listed.
European/International Regulations
European Labeling in Accordance with EC Directives
Hazard Symbols: T F

Risk Phrases: 11 Highly flammable.
R 23/25 Toxic by inhalation and if swallowed.

Safety Phrases: S 16 Keep away from sources of ignition - No smoking.
S 24 Avoid contact with skin.
S 45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
S 7 Keep container tightly closed.

WGK (Water Danger/Protection)

CAS# 67-56-1

Canada: CAS# 67-56-1 is listed on Canada's DSL/NDSL List.
This product has a WHMIS classification of B2, D1A, D2B.
CAS# 67-56-1 is not listed on Canada's Ingredient Disclosure List.

Exposure Limits

CAS# 67-56-1: OEL-ARAB Republic of Egypt:TWA 200 ppm (260 mg/m³);Skin
A: OEL-AUSTRALIA:TWA 200 ppm (260 mg/m³);STEL 250 ppm;Skin. OEL-BELGIUM: TWA 200 ppm (260 mg/m³);STEL 250 ppm;Skin. OEL-CZECHOSLOVAKIA:TWA 100 mg/m³;STEL 500 mg/m³. OEL-DENMARK:TWA 200 ppm (260 mg/m³);Skin. OEL-FINLAND:TWA 200 ppm (260 mg/m³);STEL 250 ppm;Skin. OEL-FRANCE:TWA 200 ppm (260 mg/m³);STEL 1000 ppm (1300 mg/m³). OEL-GERMANY:TWA 200 ppm (260 mg/m³);STEL 1000 ppm (1300 mg/m³). OEL-HUNGARY: TWA 200 ppm (260 mg/m³);STEL 250 ppm (325 mg/m³). OEL-INDIA: TWA 200 ppm (260 mg/m³);STEL 250 ppm (325 mg/m³). OEL-ITALY: TWA 200 ppm (260 mg/m³);STEL 250 ppm (325 mg/m³). OEL-JAPAN: TWA 200 ppm (260 mg/m³);STEL 250 ppm (325 mg/m³). OEL-KOREA: TWA 200 ppm (260 mg/m³);STEL 250 ppm (325 mg/m³). OEL-LAOS: TWA 200 ppm (260 mg/m³);STEL 250 ppm (325 mg/m³). OEL-NETHERLANDS: TWA 200 ppm (260 mg/m³);STEL 250 ppm (325 mg/m³). OEL-NORWAY: TWA 200 ppm (260 mg/m³);STEL 250 ppm (325 mg/m³). OEL-PORTUGAL: TWA 200 ppm (260 mg/m³);STEL 250 ppm (325 mg/m³). OEL-RUSSIA: TWA 200 ppm (260 mg/m³);STEL 250 ppm (325 mg/m³). OEL-SWEDEN: TWA 200 ppm (260 mg/m³);STEL 250 ppm (325 mg/m³);Skin. OEL-SWITZERLAND: TWA 200 ppm (260 mg/m³);STEL 400 ppm;Skin. OEL-THAILAND:TWA 200 ppm (260 mg/m³). OEL-TURKEY:TWA 200 ppm (260 mg/m³). OEL-UNITED KINGDOM:TWA 200 ppm (260 mg/m³);STEL 250 ppm;Skin. OEL IN BULGARIA, COLOMBIA, JORDAN, KOREA check ACGIH TLV. OEL IN NEW ZEALAND, SINGAPORE, VIETNAM check ACGI TLV

**** SECTION 16 - ADDITIONAL INFORMATION ****
MSDS Creation Date: 3/14/1995 Revision #39 Date: 12/12/1997

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no way shall Fisher be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, even if Fisher has been advised of the possibility of such damages.