



**Fisher
Scientific**

**ACROS
ORGANICS**

MSDS

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

SYRACUSE CITY
SCHOOL DISTRICT
BOVA SUPPLY CENTER
1023 ERIE BLVD W

SYRACUSE

NY 13204

**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
OTHERS AND DISTRIBUTED BY FISHER SCIENTIFIC COMPANY OR ACROS
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.

Personal Protective Equipment

- Eyes: Wear appropriate protective eyeglasses or chemical goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.
- Skin: Wear appropriate gloves to prevent skin exposure.
- Clothing: Wear appropriate protective clothing to prevent skin exposure.
- Respirators: Follow the OSHA respirator regulations found in 29CFR 1910.134 or European Standard EN149. Always use a NIOSH or European Standard EN 149 approved respirator when necessary.

**** SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES ****

- Physical State: Solid
Appearance: not available
Odor: mild odor
pH: Not available.
Vapor Pressure: Not available.
Evaporation Rate: >1
Viscosity: Not available.
Boiling Point: Not available.
Freezing/Melting Point: Not available.
Autoignition Temperature: Not applicable.
Flash Point: Not applicable.
NFPA Rating: Not published.
Explosion Limits, Lower: Not available.
Explosion Limits, Upper: Not available.
Decomposition Temperature: Not available.
Solubility: Not available.
Specific Gravity/Density: Not available.
Molecular Formula: Mixtures available.
Molecular Weight: Not available

**** SECTION 10 - STABILITY AND REACTIVITY ****

- Chemical Stability: Stable under normal temperatures and pressures.
Conditions to Avoid: High temperatures and pressures.
High temperatures.
Incompatibilities with Other Materials: None reported.
Hazardous Decomposition Products: Irritating and toxic gases.
Hazardous Polymerization: Has not been reported.

**** SECTION 11 - TOXICOLOGICAL INFORMATION ****

- RTECS#: CAS# 50-00-0: LP8925000
CAS# 57-55-6: TY2000000
CAS# 50-00-0: Inhalation, mouse: LC50 = 400 mg/m³/2H; Inhalation, rat: LC50 = 203 mg/m³/3H; Oral, mouse: LD50 = 42 mg/kg; Oral, rat: LD50 = 100 mg/kg; Skin, rabbit: LD50 = 70 mg/kg.
CAS# 57-55-6: Oral, mouse: LD50 = 22 mg/kg; Oral, rabbit: LD50 = 18500 mg/kg; Oral, rat: LD50 = 20 gm/kg; Skin, rabbit: LD50 = 20800 mg/kg.
- Carcinogenicity: Formaldehyde: A2 - suspected human carcinogen
ACGIH: A2 - suspected human carcinogen
California: carcinogen, initial date 1/1/88
NIOSH: occupational carcinogen
NTP: Suspect carcinogen
OSHA: Possible Select carcinogen
IARC: Group 2A carcinogen
- Propylene glycol
Epidemiologic: listed by ACGIH, IARC, NIOSH, NTP, or OSHA.
No data available.
Teratogenicity: Propylene glycol can cause teratogenic effects in animal studies.
Reproductive Effects: No data available.
Neuro: No data available.
Mutagenicity: No data available.
Other Studies: No data available.

**** SECTION 12 - ECOLOGICAL INFORMATION ****

**** SECTION 13 - DISPOSAL CONSIDERATIONS ****
Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste.
US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate RCRA classification.
RCRA U-Series: None listed.
RCRA U-Series: CAS# 50-00-0: waste number U122.

**** SECTION 14 - TRANSPORT INFORMATION ****

- US DOT
Canacian TDG
No information available.
No information available.

**** SECTION 15 - REGULATORY INFORMATION ****

- US FEDERAL
TSCA
CAS# 50-00-0 is listed on the TSCA inventory.
CAS# 57-55-6 is listed on the TSCA inventory.
Health & Safety Reporting List
Chemical Test Rules
None of the chemicals are on the Health & Safety Reporting List.
Section 12b
None of the chemicals in this product are under a Chemical Test Rule.
None of the chemicals are listed under TSCA Section 12b.
TSCA Significant New Use Rule
SARA
None of the chemicals in this material have a SMDR under TSCA.
Section 302 (RQ)
CAS# 50-00-0: final RQ = 100 pounds (45.4 kg)
Section 302 (TPQ)
CAS# 50-00-0: TPQ = 500 pounds (227 kg)
CAS# 50-00-0: NPQ = 500 pounds (227 kg) (does not meet toxicity criteria but because of high potential for volume and recognized toxicity is considered a chemical of concern)
SARA Codes
CAS # 50-00-0: acute, chronic.
Section 311
This material contains Formaldehyde (CAS# 50-00-0, 0 3 0 5%), which is subject to the labeling requirements of Section 313 of SARA Title III and 40 CFR Part 372.
Clean Air Act:
CAS# 50-00-0 is listed as a hazardous air pollutant (HAP).
This material does not contain any Class 1 or Class 2 Ozone Depleters.
Clean Water Act:
None of the chemicals in this product are listed as Priority Pollutants under the CWA.
None of the chemicals in this product are listed as Toxic Pollutants under the CWA.

OSHA: CAS# 50-00-0 is considered highly hazardous by OSHA.
Formaldehyde can be found on the following state right to know lists: California, New Jersey, Florida, Pennsylvania, Minnesota, Massachusetts.

Propylene glycol can be found on the following state right to know lists: Pennsylvania, Minnesota.
The California Statement(s) is (are) made in order to comply with the California Proposition 65 law.
WARNING: This product contains formaldehyde, a chemical known to the state of California to cause cancer.
California No Significant Risk Level:
CAS# 50-00-0: no significant risk level = 40 ug/day
European/International Regulations
European Labeling in Accordance with EC Directives
Risk Ph Symbols: Not available.
Safety Phrases:
W06 (Water Danger/Protection)
CAS# 50-00-0: 2
CAS# 57-55-6: 0
United States Occupational Exposure Limits
CAS# 57-55-6: 0.05 mg/m³ TWA; 0.1 mg/m³ TWA total (vapour and particulates); 150 ppm TWA; 474 mg/m³ TWA; particulates: 10 mg
Canada
CAS# 50-00-0 is listed on Canada's DSL/NDSL List.
CAS# 57-55-6 is listed on Canada's DSL/NDSL List.
This product has a WHMIS classification of D2A.

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CAS# 50-00-0 is not listed on Canada's Ingredient Disclosure List.
CAS# 57-58-6 is not listed on Canada's Ingredient Disclosure List.

Exposure Limits

CAS# 50-00-0: OEL-ARAB REPUBLIC OF EGYPT: TWA 2 ppm (3 mg/m³)
OEL-AUSTRALIA: TWA 1 ppm (1.5 mg/m³); STEL 2 ppm (3 mg/m³); CAR
OEL-BELGIUM: TWA 1 ppm (1.2 mg/m³); STEL 2 ppm (2.5 mg/m³); CAR
OEL-CZECHOSLOVAKIA: TWA 0.5 mg/m³; STEL 1 mg/m³; CAR
OEL-DENMARK: STEL 0.3 ppm (0.4 mg/m³); Carcinogen
OEL-FRANCE: STEL 2 ppm (1.3 mg/m³); Skin
OEL-GERMANY: TWA 0.5 ppm (0.6 mg/m³); Carcinogen
OEL-HUNGARY: STEL 0.6 mg/m³; Carcinogen
OEL-JAPAN: TWA 0.5 ppm (0.61 mg/m³); Carcinogen
OEL-THE NETHERLANDS: TWA 1 ppm (1.5 mg/m³); STEL 2 ppm (3 mg/m³)
OEL-THE PHILIPPINES: TWA 5 ppm (6 mg/m³)
OEL-POLAND: TWA 2 mg/m³
OEL-SWEDEN: TWA 0.5 ppm; STEL 0.5 mg/m³; Skin
OEL-SWITZERLAND: TWA 5 ppm (0.6 mg/m³); STEL 1 ppm (1.2 mg/m³)
OEL-THAILAND: TWA 3 ppm; STEL 5 ppm
OEL-TURKEY: TWA 5 ppm (6 mg/m³)
OEL-UNITED KINGDOM: TWA 2 ppm (2.5 mg/m³); STEL 2 ppm (2.5 mg/m³)
OEL IN BULGARIA, COLOMBIA, JORDAN, KOREA, CHECK ACCIHL TLV
OEL IN NEW ZEALAND, SINGAPORE, VIETNAM check ACCI TLV

*** SECTION 16 - ADDITIONAL INFORMATION ***

MSDS Creation Date: 9/02/1997 Revision #2 Date: 8/02/2000

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 product for their particular purposes. In no way shall the company be liable for any special, indirect, incidental or consequential or exemplary damages, howsoever arising, even if the company has been advised of the possibility of such damages.