

DATE: 03/26/98 ACCT: 742982001  
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\*\*\*\* MATERIAL SAFETY DATA SHEET \*\*\*\*

Diphenylmethane, 99%  
97166

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

MSDS Name: Diphenylmethane, 99%  
Catalog Number: AC117350000, AC117350010, AC117352500, AC117355000  
Synonyms: Company Identification: Acros Organics N.Y.  
One Reagent Lane  
Fair Lawn, NJ 07410  
For information in North America, call: 800-ACROS-01  
For emergencies in the US, call CHEMTREC: 800-424-9300

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

CAS#	Chemical Name	%	EINECS#
101-81-5	Diphenylmethane, 99%		202-978-6

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

EMERGENCY OVERVIEW  
Appearance: clear slightly yellow liquid.

Target Organs: None.

Potential Health Effects  
The toxicological properties of this material have not been investigated. Use appropriate procedures to prevent opportunities for direct contact with the skin or eyes and to prevent inhalation.

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

Eyes:  
Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower lids.  
Skin:  
Flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes.  
Ingestion:  
Do NOT induce vomiting. Allow the victim to rinse his mouth and then to drink 2-4 cups of water, and seek medical advice.  
Inhalation:  
Remove from exposure to fresh air immediately.  
Notes to Physician:  
Treat symptomatically and supportively.

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

General Information:  
As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion.  
Extinguishing Media:  
In case of fire, use water, dry chemical, chemical foam, or alcohol-resistant foam.  
Autoignition Temperature: 486 deg C (906.80 deg F)  
Flash Point: 127 deg C (260.60 deg F)  
NFPA Rating: health-1, flammability-1, reactivity-0  
Explosion Limits: Lower: Not available.  
Upper: Not available.

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

General Information: Use proper personal protective equipment as indicated in Section 6.  
Spills/Leaks:  
Clean up spills immediately, observing precautions in the Protective Equipment section. Sweep up, then place into a suitable container for disposal.

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

Handling:  
Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Avoid contact with eyes, skin, and clothing. Avoid ingestion and inhalation.  
Storage:  
Store in a cool, dry place. Keep container closed when not in use.

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

Engineering Controls:  
Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits. Use process enclosure, local exhaust ventilation, or other engineering controls to control airborne levels.

Exposure Limits			
Chemical Name	ACGIH	NIOSH	OSHA - Final PELs
Diphenylmethane, 99	none listed	none listed	none listed

OSHA Vacated PELs:  
Diphenylmethane, 99%  
No OSHA Vacated PELs are listed for this chemical.

Personal Protective Equipment

Eyes:  
Wear safety glasses and chemical goggles if splashing is possible.  
Skin:  
Wear appropriate protective gloves and clothing to prevent skin exposure.  
Clothing:  
Wear appropriate protective clothing to minimize contact with skin.  
Respirators:  
Wear a NIOSH/MSHA-approved (or equivalent) full-facepiece airline respirator in the positive pressure mode with emergency escape provisions.

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

Physical State: Not available.  
Appearance: clear slightly yellow  
Odor: None reported.  
pH: Not available.  
Vapor Pressure: 1.33 mbar @ 77  
Vapor Density: Not available.  
Evaporation Rate: Not available.  
Viscosity: Not available.  
Boiling Point: 265 deg C @ 760.00mm Hg  
Freezing/Melting Point: 24.50 - 25.00 deg C  
Decomposition Temperature: Not available.  
Solubility: practically insoluble  
Specific Gravity/Density: 1.0900g/cm3  
Molecular Formula: C13H12  
Molecular Weight: 166.24

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

Chemical Stability:  
Stable under normal temperatures and pressures.  
Conditions to Avoid:  
Incompatible materials, strong oxidants.  
Incompatibilities with Other Materials:  
Strong oxidizing agents.  
Hazardous Decomposition Products:  
Carbon monoxide, irritating and toxic fumes and gases, carbon dioxide.  
Hazardous Polymerization: Has not been reported.

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

RTCS#:  
CAS# 101-81-5 unlisted.  
LD50/LC50:  
Not available.  
Carcinogenicity:  
Diphenylmethane, 99% -  
Not listed by ACGIH, IARC, NIOSH, NTP, or OSHA.

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

Ecotoxicity:  
Not available.

\*\*\*\* SECTION 13 - DISPOSAL CONSIDERATIONS \*\*\*\*

Dispose of in a manner consistent with federal, state, and local regulations.  
RCRA D-Series Maximum Concentration of Contaminants:  
None listed.  
RCRA D-Series Chronic Toxicity Reference Levels: None listed.

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

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NO INFORMATION AVAILABLE

Not regulated as a hazardous material

IATA

R1D/ADR

Canadian TBG

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

US FEDERAL  
TECA

CAS# 101-81-5 is listed on the TSCA inventory

Health & Safety Reporting List

**Chemical Test Rules**  
None of the chemicals in this product are under a Chemical Test Rule

Section 12b  
Names of the chemicals are listed under TSCA Section 12b

## TSCA Significant New Use Rule

SARA  
6/1/2003

None of the chemicals in this material have an RQ

None of the chemicals in this product have a TPA.

No chemicals are reportable under Section 313

**This material does not contain any hazardous air pollutants**

**This material does not contain any Class 2 Ozone depleters**

None of the chemicals in this product are listed as Hazardous

None of the chemicals in this product are listed as Priority

None of the chemicals in this product are listed as Toxic Pollutants

OSHA:

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

Diphenylmethane, 99% is not present on state lists from CA, PA, MN, AL

California No Significant Risk Level

None of the chemicals in this product are listed  
European/International Regulations

**Hazard Symbols:** Not available.

**Risk Phrases:**  
**Safety Phrases:**

3/24/25 Avoid contact with skin and eyes  
NGK (Water Danger/Protection)

CAS # 101-81-3; 2  
Canada

CAS# 101-81-3 is listed on Canada's DSL/NDSL list.  
WHMIS: Not available.

**CAS# 101-81-3 is not listed on Canada's Ingredient Disclosure List**

\*\*\*\*\* SECTION 16 - ADDITIONAL INFORMATION \*\*\*\*\*

MSDS Creation Date: 2/01/1996 Revision #1 Date: 9/02/1997

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, however arising, even if Fisher has been advised of the possibility of such damages.