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**** MATERIAL SAFETY DATA SHEET ****

BENZHYDROL, 99%

**** SECTION 1 - CHEMICAL PRODUCT MSDS Name: BENZHYDROL, 99%

Synonyms:

Diphenylcarbinol

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

CAS#	Chemical Name	%
91-01-0	BENZHYDROL, 99%	99%
202-033-8		

Hazard Symbols: None Listed.
Risk Phrases: None Listed.

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

EMERGENCY OVERVIEW

Not available.

Potential Health Effects

Eye:

May cause eye irritation.

Skin:

May cause skin irritation.

Ingestion:

May cause irritation of the digestive tract.

Inhalation:

May cause respiratory tract irritation.

Chronic:

Not available.

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

Eyes:
Flush eyes with plenty of water for at least 15 minutes,
occasionally lifting the upper and lower eyelids. Get medical
aid.

Skin:
Flush skin with plenty of water for at least 15 minutes while
removing contaminated clothing and shoes.

Ingestion:
Do NOT induce vomiting. If conscious and alert, rinse mouth
and
drink 2-4 cupfuls of milk or water.

Inhalation:
Remove from exposure and move to fresh air immediately. If
not
breathing, give artificial respiration. If breathing is
difficult,
give oxygen.

Notes to Physician:

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

General Information:
As in any fire, wear a self-contained breathing apparatus in
full
pressure-demand, MSHA/NIOSH (approved or equivalent), and
gases
protective gear. During a fire, irritating and highly toxic
may be generated by thermal decomposition or combustion.

Extinguishing Media:
In case of fire, use water, dry chemical, chemical foam, or
alcohol-resistant foam.

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

General Information: Use proper personal protective equipment as
indicated
in Section 8.

Spills/Leaks:
Vacuum or sweep up material and place into a suitable
disposal
container.

**** 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.

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

Engineering Controls:

Use adequate ventilation to keep airborne concentrations low.

Personal Protective Equipment

Eyes:

splashing Wear safety glasses and chemical goggles if
is possible.

Skin:

to Wear appropriate protective gloves and clothing
prevent skin exposure.

Clothing:

Wear appropriate protective clothing to minimize
contact with skin.

Respirators:

the Wear a NIOSH/MSHA or European Standard EN 149
approved full-facepiece airline respirator in
positive pressure mode with emergency escape
provisions.

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

Physical State: Solid
Color: white to beige
Odor: Not available.
pH: Not available.
Vapor Pressure: Not available.
Viscosity: Not available.
Boiling Point: 297.0 - 298.0 deg C @ 760.00m
Freezing/Melting Point: 65.00 - 68.00 deg C
Autoignition Temperature: Not available.
Flash Point: Not available.
Explosion Limits, lower: Not available.
Explosion Limits, upper: Not available.
Decomposition Temperature: Not available.
Solubility in water: 0.5 g/l (20 c)
Specific Gravity/Density: Not available.
Molecular Formula: C13H12O
Molecular Weight: 184.24

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

Chemical Stability:

Stable under normal temperatures and pressures.

Conditions to Avoid:

Incompatible materials.

Incompatibilities with Other Materials:

Oxidizing agents, acids, acid chlorides, acid anhydrides.

Hazardous Decomposition Products:

Carbon monoxide, carbon dioxide.

Hazardous Polymerization: Has not been reported.

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

RTECS#:

CAS# 91-01-0: DC7452000
LD50/LC50:
>5 CAS# 91-01-0: Oral, rat: LD50 = 5 gm/kg; Skin, rabbit: LD50 =
gm/kg.
Carcinogenicity:
BENZHYDROL, 99% -
Not listed by ACGIH, IARC, NIOSH, NTP, or OSHA.
See actual entry in RTECS for complete information.

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

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

Dispose of in a manner consistent with federal, state, and local regulations.

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

IATA
No information available.
IMO
No information available.
RID/ADR
No information available.

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

European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols: Not available.

Risk Phrases:

Safety Phrases:

S 24/25 Avoid contact with skin and eyes.

WGK (Water Danger/Protection)

CAS# 91-01-0: 1

United Kingdom Occupational Exposure Limits

United Kingdom Maximum Exposure Limits

Canada

CAS# 91-01-0 is listed on Canada's DSL List.

CAS# 91-01-0 is not listed on Canada's Ingredient Disclosure List.

Exposure Limits

US FEDERAL

TSCA

CAS# 91-01-0 is listed on the TSCA inventory.

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

MSDS Creation Date: 7/16/1996 Revision #0 Date: Original.

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