SIGMA-ALDRICH

Material Safety Data Sheet

Version 3.0 Revision Date 12/29/2008 Print Date 08/29/2011

RODUCT AND COMPAN	IY IDENTIFICATION			
Product name	: Benzil			
	· Denzii			
Product Number	: B5151			
Brand	: Aldrich			
Company	: Sigma-Aldrich			
•••••••	3050 Spruce Stree			
	SAINT LOUIS MC	63103		
Talaabaaa	USA			
Telephone Fax	: +1 800-325-5832 : +1 800-325-5052			
Emergency Phone #	: (314) 776-6555			
OMPOSITION/INFORMA	TION ON INGREDIENTS			
Synonyms	: Diphenylethanedic	ne		
Cynonymo	Dibenzoyl			
	·			
Formula	: C ₁₄ H ₁₀ O ₂			
Molecular Weight	: 210.23 g/mol			
CAS-No.	EC-No.	Index-No.	Concentration	
Benzil				
134-81-6	205-157-0	-	-	
AZARDS IDENTIFICATI	ON			
AZARDS IDENTIFICATI				
Emergency Overview				
OSHA Hazards				
Irritant				
HMIS Classification				
Health Hazard:	2			
Flammability:	1			
Physical hazards:	0			
NFPA Rating				
Health Hazard:	2			
Fire:	1			
Reactivity Hazard:	0			
Potential Health Effects				
Inhalation	May be harmful if inhaled. Causes respiratory tract irritation.			
Skin	May be harmful if absorbed through skin. Causes skin irritation.			
Eyes	Causes eye irritation.			
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Ingestion

May be harmful if swallowed.

4. FIRST AID MEASURES

General advice

Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

If inhaled

If breathed in, move person into fresh air. If not breathing give artificial respiration Consult a physician.

In case of skin contact

Wash off with soap and plenty of water. Consult a physician.

In case of eye contact

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

5. FIRE-FIGHTING MEASURES

Flammable properties

Flash point 180 °C (356 °F) - closed cup

Ignition temperature no data available

Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special protective equipment for fire-fighters

Wear self contained breathing apparatus for fire fighting if necessary.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions

Use personal protective equipment. Avoid dust formation. Avoid breathing dust. Ensure adequate ventilation.

Environmental precautions

Do not let product enter drains.

Methods for cleaning up

Pick up and arrange disposal without creating dust. Keep in suitable, closed containers for disposal.

7. HANDLING AND STORAGE

Handling

Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.

Storage

Keep container tightly closed in a dry and well-ventilated place.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Contains no substances with occupational exposure limit values.

Personal protective equipment

Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate use a dust mask type N95 (US) or type P1 (EN 143) respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Hand protection

Handle with gloves.

Eye protection Safety glasses

Skin and body protection

Choose body protection according to the amount and concentration of the dangerous substance at the work place.

Hygiene measures

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Form	crystalline	
Colour	light yellow	
Safety data		
рН	no data available	
Melting point	94 - 95 °C (201 - 203 °F)	
Boiling point	no data available	
Flash point	180 °C (356 °F) - closed cup	
Ignition temperature	no data available	
Lower explosion limit	no data available	
Upper explosion limit	no data available	
Water solubility	no data available	

10. STABILITY AND REACTIVITY

Storage stability

Stable under recommended storage conditions.

Materials to avoid Strong oxidizing agents

Hazardous decomposition products Hazardous decomposition products formed under fire conditions. - Carbon oxides

11. TOXICOLOGICAL INFORMATION

Acute toxicity

LD50 Oral - mouse - > 3,000 mg/kg Remarks: Behavioral:Somnolence (general depressed activity).

Irritation and corrosion

Eyes - rabbit - Moderate eye irritation - 24 h

Sensitisation

no data available

Chronic exposure

- IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
- ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.
- NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
- OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Signs and Symptoms of Exposure

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Potential Health Effects

Inhalation	May be harmful if inhaled. Causes respiratory tract irritation.
Skin	May be harmful if absorbed through skin. Causes skin irritation.
Eyes	Causes eye irritation.
Ingestion	May be harmful if swallowed.

Additional Information RTECS: DD1925000

12. ECOLOGICAL INFORMATION

Elimination information (persistence and degradability)

no data available

Ecotoxicity effects

no data available

Further information on ecology

no data available

13. DISPOSAL CONSIDERATIONS

Product

Observe all federal, state, and local environmental regulations. Contact a licensed professional waste disposal service to dispose of this material.

Contaminated packaging

Dispose of as unused product.

14. TRANSPORT INFORMATION

DOT (US)

Not dangerous goods

IMDG Not dangerous goods

ΙΑΤΑ

Not dangerous goods

15. REGULATORY INFORMATION

OSHA Hazards

Irritant

DSL Status

All components of this product are on the Canadian DSL list.

SARA 302 Components

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components

SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazards

Acute Health Hazard

Massachusetts Right To Know Components

No components are subject to the Massachusetts Right to Know Act.

Pennsylvania Right To Know Components

Benzil	CAS-No. 134-81-6	Revision Date
New Jersey Right To Know Components	CAS-No.	Revision Date
Benzil	134-81-6	Revision Date

California Prop. 65 Components

This product does not contain any chemicals known to State of California to cause cancer, birth, or any other reproductive defects.

16. OTHER INFORMATION

Further information

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