



chemists helping chemists in research & industry

aldrich chemical co.

P.O. Box 355, Milwaukee, Wisconsin 53201 USA

Telephone: (414) 273-3850
TWX: (910) 262-3052 Aldrich MI
Telex: 26 843 Aldrich MI
FAX: (414) 273-4979



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ATTN: SAFETY DIRECTOR
JOLIET JUNIOR COLLEGE
1216 HOUNSOLT AVE
JOLIET IL 60436

DATE: 08/23/90
CUST#: 929831
PO#: P0004710

MATERIAL SAFETY DATA SHEET

PAGE 1

IDENTIFICATION

PRODUCT #: 0515-1
CAS #: 134-01-6
MF: C14H10O2

NAME: BENZIL, 98%

SYNOPSIS

DIBENZOYL * DIPHENYL-ALPHA,BETA-DIKETONE * 1,2-DIPHENYLETHANEDIONE *
DIPHENYLGLYOXAL * GLYOXAL, DIPHENYL *

TOXICITY HAZARDS

RTECS NO: DD1925000

BENZIL

IRRITATION DATA

85JCAF --294,86

EYE-ENT 100 MG/24H MOD

REVIEWS, STANDARDS, AND REGULATIONS

NOS 1993: H2D X4986; NIS 2; INF 29; NOS 2; TNE 72; TFF 44

EPA TSCA CHEMICAL INVENTORY, 1989

EPA TSCA TEST SUBMISSION (TSCATS) DATA BASE, APRIL 1990

ONLY SELECTED REGISTRY OF TOXIC EFFECTS OF CHEMICAL SUBSTANCES (RTECS) DATA IS PRESENTED HERE. SEE ACTUAL ENTRY IN RTECS FOR COMPLETE INFORMATION.

HEALTH HAZARD DATA

ACUTE EFFECTS

MAY BE HARMFUL BY INHALATION, INGESTION, OR SKIN ABSORPTION.

CAUSES EYE AND SKIN IRRITATION.

MATERIAL IS IRRITATING TO MUCOUS MEMBRANES AND UPPER

RESPIRATORY TRACT.

TO THE BEST OF OUR KNOWLEDGE, THE CHEMICAL, PHYSICAL, AND

TOXICOLOGICAL PROPERTIES HAVE NOT BEEN THOROUGHLY INVESTIGATED.

FIRST AID

IN CASE OF CONTACT, IMMEDIATELY FLUSH EYES WITH COPIOUS AMOUNTS OF

WATER FOR AT LEAST 15 MINUTES.

IN CASE OF CONTACT, IMMEDIATELY WASH SKIN WITH SOAP AND COPIOUS

AMOUNTS OF WATER.

IF INHALED, REMOVE TO FRESH AIR. IF NOT BREATHING GIVE ARTIFICIAL

RESPIRATION. IF BREATHING IS DIFFICULT, GIVE OXYGEN.

IF SWALLOWED, FLUSH OUT MOUTH WITH WATER PROVIDED PERSON IS CONSCIOUS.

CALL A PHYSICIAN.

WASH CONTAMINATED CLOTHING BEFORE REUSE.

PHYSICAL DATA

MELTING PT: 94 C TO 95 C

VAPOR PRESSURE: 1 MM @ 128.4 C

APPEARANCE AND ODOR

YELLOW CRYSTALLINE POWDER

CONTINUED ON NEXT PAGE

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PAGE 2

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FIRE AND EXPLOSION HAZARD DATA

EXTINGUISHING MEDIA

WATER SPRAY.

CARBON DIOXIDE, DRY CHEMICAL POWDER, ALCOHOL OR POLYMER FOAM.

SPECIAL FIREFIGHTING PROCEDURES

WEAR SELF-CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING TO PREVENT CONTACT WITH SKIN AND EYES.

REACTIVITY DATA

INCOMPATIBILITIES

STRONG OXIDIZING AGENTS

HAZARDOUS COMBUSTION OR DECOMPOSITION PRODUCTS

TOXIC FUMES OF:

CARBON MONOXIDE, CARBON DIOXIDE

SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED

WEAR RESPIRATOR, CHEMICAL SAFETY GOGGLES, RUBBER BOOTS AND HEAVY

RUBBER GLOVES.

SWEEP UP, PLACE IN A BAG AND HOLD FOR WASTE DISPOSAL.

AVOID RAISING DUST.

VENTILATE AREA AND WASH SPILL SITE AFTER MATERIAL PICKUP IS COMPLETE.

WASTE DISPOSAL METHOD

DISSOLVE OR MIX THE MATERIAL WITH A COMBUSTIBLE SOLVENT AND BURN IN A CHEMICAL INCINERATOR EQUIPPED WITH AN AFTERBURNER AND SCRUBBER.

OBSERVE ALL FEDERAL, STATE, AND LOCAL LAWS.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE

CHEMICAL SAFETY GOGGLES.

RUBBER GLOVES.

NIOSH/MSHA-APPROVED RESPIRATOR.

SAFETY SHOWER AND EYE BATH.

MECHANICAL EXHAUST REQUIRED.

DO NOT BREATHE DUST.

AVOID CONTACT WITH EYES, SKIN AND CLOTHING.

WASH THOROUGHLY AFTER HANDLING.

IRRITANT.

KEEP TIGHTLY CLOSED.

STORE IN A COOL DRY PLACE.

CONTINUED ON NEXT PAGE

Belgium/Holland
Aldrich Chemie
Boulevard Lambertus 140 06
Bd Lambertus 140 06
B-1030 Brussels/Bruzel
Telephone: 114747
Holland: 02024748
Telex: 0202 Aldrich B
FAX: 020248216

France
Aldrich Chimie S.r.l.
27, Fosse des Trites
F-67000 Strasbourg
Telephone: 8337010
Telex: 890071 Aldrich F
FAX: 88751263

Italy
Aldrich Chimica S.r.l.
Via Palla Torelli, 4
20127 Milano
Telephone: 022613680
Telex: 330862 Aldrich I
FAX: 022896301

Japan
Aldrich Japan
Wada Bldg Shinkanda
10 Kanda-Akiuicho
Chiyoda-Ku, Tokyo
Telephone: 032581155
Telex: 032581155
FAX: 032581157

Spain
Aldrich Quimica
Apt. de Correos 161
28100 Alcobendas (Madrid)
Telephone: 91653977
Telex: 22189 SAGS-E
FAX: 91653964

United Kingdom
Aldrich Chemical Co. Ltd.
The Old Brewery, New Road
Gillingham, Dorset SP9 4JL
Telephone: 014782211
Telex: 417228 Aldrich G
FAX: 0147822779

West Germany
Aldrich Chemie GmbH & Co. KG
D-7814 Sigmaringen
Telephone: 732870
Telex: 714838 Aldrich D
FAX: 01 73287138/239

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M A T E R I A L S A F E T Y D A T A S H E E T

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Netherlands Sich Chemie Juliusweg 140-142 1118 CA Amsterdam Telephone: 020 612 1111 Telex: 511111 Fax: 020 612 1112	France Aldrich Chimie S.A. 27, Place des Tilleuls F-91000 Evry Telephone: 01 69 33 70 10 Telex: 880 075 Aldrich F Fax: 01 69 33 70 11	Italy Aldrich Chimica S.r.l. Via P. Rossi, 4 20127 Milano Telephone: 02 281 3689 Telex: 320882 Aldrich I Fax: 02 281 3691	Japan Aldrich Japan Kyoto Bldg. Shinjuku 15 Kanda-Mitsukoshi Chiyoda-Ku, Tokyo Telephone: 03 2580 1055 Fax: 03 2580 1057	Spain Aldrich Química Apdo. de Correos 161 28100 Alcala de Henares (Madrid) Telephone: 91 63 39 77 Telex: 22 183 SAGS-E Fax: 91 63 39 94	United Kingdom Aldrich Chemical Co. Ltd. The Old Brickyard, River Road Gillingham, Dorset SP6 4JL Telephone: 07475 22 11 Telex: 417228 Aldrich G Fax: 07475 237 9	West Germany Aldrich-Chemie GmbH & Co. KG D-7524 Bensheim Telephone: 07268 810 Telex: 714 628 Aldrich D Fax: 07268 7136/139
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