



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 Aldrichem MI
Telex: 26 843 Aldrich MI
FAX: (414) 273-4979

ATTN: SAFETY DIRECTOR
UNIVERSITY OF WISCONSIN WHITEWATER
P O BOX 296
WHITEWATER WI 53190

DATE: 01/12/90
CUST#: 523216
PO#: UNJ-02446

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

PAGE 1

IDENTIFICATION

PRODUCT #: B868-1 NAME: BENZOIN, 98%
CAS #: 579-44-2
MF: C14H12O2

SYNONYMS

ACETOPHENONE, 2-HYDROXY-2-PHENYL- * BENZOYLPHENYL CARBINOL * BITTER
ALMOND OIL CAMPHOR * ETHANONE, 2-HYDROXY-1,2-DIPHENYL- * FENYL-ALPHA-
HYDROXYBENZYLKETON (CZECH) * ALPHA-HYDROXYBENZYL PHENYL KETONE *
ALPHA-HYDROXY-ALPHA-PHENYLACETOPHENONE * 2-HYDROXY-2-
PHENYLACETOPHENONE * KETONE, ALPHA-HYDROXYBENZYL PHENYL * NCI-C50011 *

TOXICITY HAZARDS

RTECS NO: DI1590000

BENZOIN

TOXICITY DATA

ORL-RAT LD50: 10 GM/KG

FCTXAV 11,855,73

SKN-RBT LD50: 8970 MG/KG

FCTXAV 11,855,73

REGULATIONS, STANDARDS, AND REGULATIONS

EPA GENETOX PROGRAM 1988, NEGATIVE/LIMITED: CARCINOGENICITY-MOUSE/RAT
EPA TSCA CHEMICAL INVENTORY, 1986
EPA TSCA TEST SUBMISSION (TSCATS) DATA BASE, SEPTEMBER 1989
NCI CARCINOGENESIS BIOASSAY (FEED); NO EVIDENCE: MOUSE, RAT NCITR* NCI-
TR-204,80

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.

MAY CAUSE EYE IRRITATION.

MAY CAUSE SKIN IRRITATION.

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.

CALL A PHYSICIAN.

WASH CONTAMINATED CLOTHING BEFORE REUSE.

PHYSICAL DATA

BOILING PT: 194 C/12MM.
MELTING PT: 134 C TO 136 C
APPEARANCE AND ODOR
LIGHT-YELLOW POWDER

CONTINUED ON NEXT PAGE

Belgium
Aldrich Chemie N.V./S.A.
Bd. Lambertmontaan 140, B-6
B-1030 Brussels
Telephone: (02) 2428750
Telex: 62302 Aldchem B
FAX: (02) 2428216

France
Aldrich-Chimie S.a.r.l.
27, Fossé des Treize
F-67000 Strasbourg
Telephone: (88) 327010
Telex: 890076 Aldrich F
FAX: (88) 751283

Italy
Aldrich Chimica S.r.l.
Via Pietro Toselli, 4
20127 Milano
Telephone: (02) 2613889
Telex: 330862 Aldrich I
FAX: (02) 2896301

Japan
Aldrich Japan
Kyodo Bldg, Shinkanda
10 Kanda-Mikuracho
Chiyoda-Ku, Tokyo
Telephone: (03) 2580155
FAX: (03) 2580157

United Kingdom
Aldrich Chemical Co., Ltd.
The Old Brickyard, New Road
Gillingham, Dorset SP8 4JL
Telephone: (07478) 2211
Telex: 417238 Aldrich G
FAX: (07478) 3779

West Germany
Aldrich-Chemie GmbH & Co. KG
D-7924 Steinheim
Telephone: (07329) 870
Telex: 714838 Aldri D
FAX: (07329) 87139



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 Aldrichem MI
Telex: 26 843 Aldrich MI
FAX: (414) 273-4979

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

PAGE 2

CUST#: 523216
PO#: UNJ-02446

PRODUCT #: B868-1
CAS #: 579-44-2
MF: C14H12O2

NAME: BENZOIN, 98%

F I R E A N D E X P L O S I O N H A Z A R D D A T A

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.

UNUSUAL FIRE AND EXPLOSIONS HAZARDS

EMITS TOXIC FUMES UNDER FIRE CONDITIONS.

R E A C T I V I T Y D A T A

INCOMPATIBILITIES

STRONG OXIDIZING AGENTS
HAZARDOUS COMBUSTION OR DECOMPOSITION PRODUCTS
TOXIC FUMES OF:
CARBON MONOXIDE, CARBON DIOXIDE

S P I L L O R L E A K P R O C E D U R E S

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.

P R E C A U T I O N S T O B E T A K E N I N H A N D L I N G A N D S T O R A G E

CHEMICAL SAFETY GOGGLES.

COMPATIBLE CHEMICAL-RESISTANT GLOVES.

NIOSH/MSHA-APPROVED RESPIRATOR.

SAFETY SHOWER AND EYE BATH.

MECHANICAL EXHAUST REQUIRED.

AVOID INHALATION.

AVOID CONTACT WITH EYES, SKIN AND CLOTHING.

AVOID PROLONGED OR REPEATED EXPOSURE.

WASH THOROUGHLY AFTER HANDLING.

KEEP TIGHTLY CLOSED.

STORE IN A COOL DRY PLACE.

CONTINUED ON NEXT PAGE

Belgium
Aldrich Chemie N.V./S.A.
Bd. Lambertlaan 140, b.6
B-1030 Brussels
Telephone: (02) 2428750
Telex: 62302 Alchem B
FAX: (02) 2428216

France
Aldrich-Chimie S.a.r.l.
27, Fosse des Treize
F-67000 Strasbourg
Telephone: (89) 327010
Telex: 890076 Aldrich F
FAX: (89) 751283

Italy
Aldrich Chimica S.r.l.
Via Pietro Toselli, 4
20127 Milano
Telephone: (02) 2613689
Telex: 330982 Aldrich I
FAX: (02) 2896301

Japan
Aldrich Japan
Kyodo Bldg. Shinkanda
10 Kanda-Mikuracho
Chiyoda-Ku, Tokyo
Telephone: (03) 2580155
FAX: (03) 2580157

United Kingdom
Aldrich Chemical Co., Ltd.
The Old Brickyard, New Road
Gillingham, Dorset SP8 4JL
Telephone: (07476) 2211
Telex: 417238 Aldrich G
FAX: (07476) 3779

West Germany
Aldrich-Chemie GmbH & Co. KG
D-7924 Steinheim
Telephone: (07329) 870
Telex: 714838 Aldri D
FAX: (07329) 87139



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 Aldrichem MI
Telex: 26 843 Aldrich MI
FAX: (414) 273-4979

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

PAGE 3

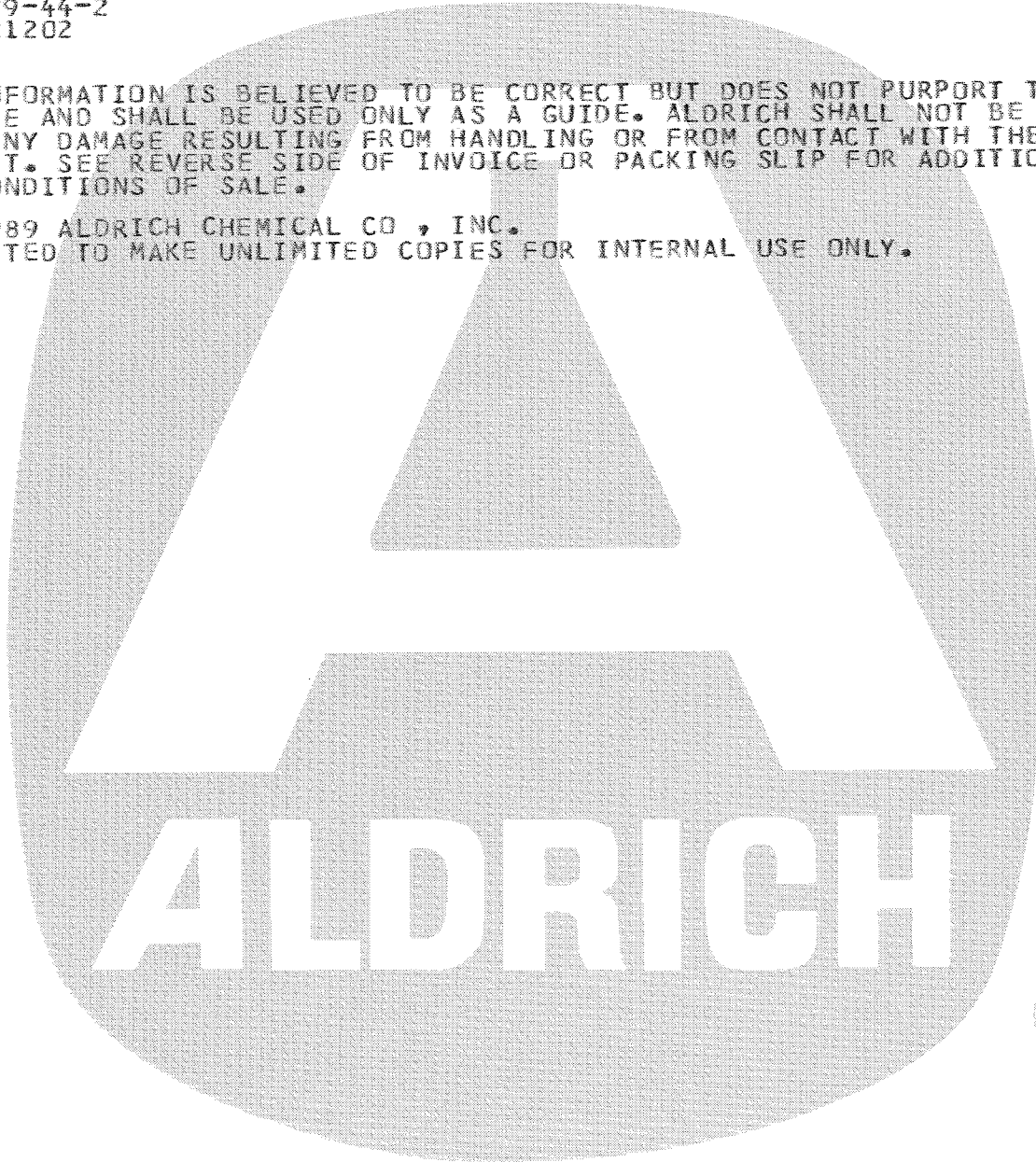
CUST#: 523216
PO#: UNJ-02446

PRODUCT #: B868-1
CAS #: 579-44-2
MF: C14H12O2

NAME: BENZOIN, 98%

THE ABOVE INFORMATION IS BELIEVED TO BE CORRECT BUT DOES NOT PURPORT TO BE ALL INCLUSIVE AND SHALL BE USED ONLY AS A GUIDE. ALDRICH SHALL NOT BE HELD LIABLE FOR ANY DAMAGE RESULTING FROM HANDLING OR FROM CONTACT WITH THE ABOVE PRODUCT. SEE REVERSE SIDE OF INVOICE OR PACKING SLIP FOR ADDITIONAL TERMS AND CONDITIONS OF SALE.

COPYRIGHT 1989 ALDRICH CHEMICAL CO., INC.
LICENSE GRANTED TO MAKE UNLIMITED COPIES FOR INTERNAL USE ONLY.



Belgium
Aldrich Chemie N.V./S.A.
Bd. Lambertmontaan 140, b.6
B-1030 Brussels
Telephone: (02) 2428750
Telex: 62302 Alchem B
FAX: (02) 2428216

France
Aldrich-Chimie S.a.r.l.
27, Fossé des Treize
F-67000 Strasbourg
Telephone: (88) 327010
Telex: 890076 Aldrich F
FAX: (88) 751283

Italy
Aldrich Chimica S.r.l.
Via Pietro Toselli, 4
20127 Milano
Telephone: (02) 2613689
Telex: 330862 Aldrich I
FAX: (02) 2696301

Japan
Aldrich Japan
Kyodo Bldg, Shinkanda
10 Kanda-Mikuracho
Chiyoda-Ku, Tokyo
Telephone: (03) 2580155
FAX: (03) 2580157

United Kingdom
Aldrich Chemical Co., Ltd.
The Old Brickyard, New Road
Gillingham, Dorset SP8 4JL
Telephone: (07476) 2211
Telex: 417238 Aldrich G
FAX: (07476) 3779

West Germany
Aldrich-Chemie GmbH & Co. KG
D-7924 Steinheim
Telephone: (07329) 870
Telex: 714838 Aldri D
FAX: (07329) 87139