



chemists help

PM MSDS # 13654

aldrich chemical co.

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

000013654



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ATTN: SAFETY DIRECTOR
PHILIP MORRIS USA
PURCHASING DEPT
P O BOX 26583

RICHMOND VA 23261
WOODY CHAMBERS/PURCHASING AGENT

DATE: 08/09/90
CUST#: 326607
PO#: FAX 8/7/90

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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I D E N T I F I C A T I O N

PRODUCT #: 13249-1 NAME: METHYLGLYOXAL BIS(GUANYLHYDRAZONE)
MF: C5H12N8 DIHYDROCHLORIDE HYDRATE, 99%

T O X I C I T Y H A Z A R D S

NO TOXICITY DATA AVAILABLE

H E A L T H H A Z A R D D A T A

A C U T E E F F E C T S

MAY BE HARMFUL BY INHALATION, INGESTION, OR SKIN ABSORPTION.
THE TOXICOLOGICAL PROPERTIES HAVE NOT BEEN THOROUGHLY
INVESTIGATED.

F I R S T A I D

IF SWALLOWED, WASH OUT MOUTH WITH WATER PROVIDED PERSON IS CONSCIOUS.
CALL A PHYSICIAN.
IN CASE OF SKIN CONTACT, FLUSH WITH COPIOUS AMOUNTS OF WATER
FOR AT LEAST 15 MINUTES. REMOVE CONTAMINATED CLOTHING AND
SHOES. CALL A PHYSICIAN.
IF INHALED, REMOVE TO FRESH AIR. IF BREATHING BECOMES DIFFICULT,
CALL A PHYSICIAN.
IN CASE OF CONTACT WITH EYES, FLUSH WITH COPIOUS AMOUNTS OF WATER
FOR AT LEAST 15 MINUTES. ASSURE ADEQUATE FLUSHING BY SEPARATING
THE EYELIDS WITH FINGERS. CALL A PHYSICIAN.

P H Y S I C A L D A T A

MELTING PT: 255 C (DEC)
APPEARANCE AND ODOR
WHITE POWDER

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

E X T I N G U I S H I N G M E D I A

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

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

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

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

EMITS TOXIC FUMES UNDER FIRE CONDITIONS.

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

S T A B I L I T Y

STABLE.

H A Z A R D O U S C O M B U S T I O N O R D E C O M P O S I T I O N P R O D U C T S

TOXIC FUMES OF:
CARBON MONOXIDE, CARBON DIOXIDE
NITROGEN OXIDES
HYDROGEN CHLORIDE GAS

CONTINUED ON NEXT PAGE

Belgium/Holland
Aldrich Chemie
Boulevard Lambert 140 B6
B-1030 Brussels/Brussel
Telephone:
Belgium 114747
Holland 06024748
Telex: 62202 Aldrich B
FAX: 022428216
6899

France
Aldrich-Chimie S.r.l.
27, Esplanade des Minimes
F-67000 Strasbourg
Telephone: 88327010
Telex: 880078 Aldrich F
FAX: 88751283

Italy
Aldrich Chimica S.r.l.
Via Piero Tacelli, 4
20127 Milano
Telephone: 022613589
Telex: 330852 Aldrich I
FAX: 022886301

Japan
Aldrich Japan
Kyodo-Bldg. Shinjuku
10 Kanda-Mitsuecho
Chiyoda-Ku, Tokyo
Telephone: 032580155
FAX: 032580157

Spain
Aldrich Química
Apt. de Correos 161
28100 Alcobendas (Madrid)
Telephone: 916039977
Telex: 22189 SACOS-E
FAX: 916039094

United Kingdom
Aldrich Chemical Co., Ltd.
The Old Brickyard, New Road
Gillingham, Dorset SP8 4JL
Telephone: 0147822211
Telex: 417238 Aldrich G
FAX: 0147823779

West Germany
Aldrich-Chemie GmbH & Co. KG
D-7524 Steinheim
Telephone: 7329870
Telex: 714838 Aldrich D
FAX: 0726987139/239

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