



THE WORLD'S FOREMOST MANUFACTURER OF RESEARCH
BIOCHEMICALS AND DIAGNOSTIC REAGENTS

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JAN 09 1998

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DATE 12/27/95
CUST#: 2-097-94804
PO#: QH4757

M A T E R I A L S A F E T Y D A T A S H E E T P A G E 1

THIS MSDS IS FOR A COMPONENT OF CATALOG #: LAA-21

SECTION 1. --- CHEMICAL IDENTIFICATION ---

CATALOG #: 37126
NAME: GLYCINE FREE BASE

SECTION 2. --- COMPOSITION/INFORMATION ON INGREDIENTS ---

CAS #: 56-40-6
MF: C₂H₅N₁O₂
EC NO: 200-272-2

SYNONYMS

AMINOACETIC ACID * GLYCOLIXIR * HAMPSHIRE GLYCINE *

SECTION 3. --- HAZARDS IDENTIFICATION ---

DATA NOT AVAILABLE

SECTION 4. --- FIRST-AID MEASURES ---

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.

SECTION 5. --- FIRE FIGHTING MEASURES ---

EXTINGUISHING MEDIA

WATER SPRAY.
CARBON DIOXIDE, DRY CHEMICAL POWDER OR APPROPRIATE 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.

SECTION 6. --- ACCIDENTAL RELEASE MEASURES ---

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.

SECTION 7. --- HANDLING AND STORAGE ---

CONTINUED ON NEXT PAGE

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MATERIAL SAFETY DATA SHEET PAGE 2

THIS MSDS IS FOR A COMPONENT OF CATALOG #: LAA-21

CATALOG #: G7126
NAME: GLYCINE FREE BASE

REFER TO SECTION 8.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

CHEMICAL SAFETY GOGGLES.
COMPATIBLE CHEMICAL-RESISTANT GLOVES.
SAFETY SHOWER AND EYE BATH.
MECHANICAL EXHAUST REQUIRED.
AVOID BREATHING DUST.
AVOID CONTACT WITH EYES, SKIN AND CLOTHING.
WASH THOROUGHLY AFTER HANDLING.
KEEP CONTAINER CLOSED.
STORE IN A COOL DRY PLACE.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR
SOLID.

PHYSICAL PROPERTIES
MELTING POINT: 240 C TO 245 C (DEC)

SECTION 10. STABILITY AND REACTIVITY

INCOMPATIBILITIES
STRONG OXIDIZING AGENTS
HAZARDOUS COMBUSTION OR DECOMPOSITION PRODUCTS
CARBON MONOXIDE, CARBON DIOXIDE
NITROGEN OXIDES

SECTION 11. TOXICOLOGICAL INFORMATION

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

RTECS #: MB7600000
GLYCINE

TOXICITY DATA

Table with 2 columns: Test parameters (DRL-RAT, SCU-RAT, IVN-RAT, ORL-MUS, IPR-MUS, SCU-MUS, IVN-MUS) and YACHDS values (5,1502,77).

ONLY SELECTED REGISTRY OF TOXIC EFFECTS OF CHEMICAL SUBSTANCES

CONTINUED ON NEXT PAGE

BRANCH OFFICES AT:

- List of branch offices including SIGMA-ALDRICH, SIGMA-ALDRICH QUIMICA, S.A., SIGMA-ALDRICH s.r.l., SIGMA CHEMIE, SIGMA-ALDRICH QUIMICA, S.A. de C.V., SIGMA-ALDRICH CORPORATION, SIGMA-ALDRICH S.r.l, SIGMA-ALDRICH PTY., LIMITED, SIGMA-ALDRICH CHEMICAL, SIGMA CHEMICAL CO. LTD., SIGMA-ALDRICH KR, SIGMA-ALDRICH.



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MATERIAL SAFETY DATA SHEET PAGE 3

THIS MSDS IS FOR A COMPONENT OF CATALOG #: LAA-21

CATALOG #: G7125
NAME: GLYCINE FREE BASE

(RTECS) DATA IS PRESENTED HERE. SEE ACTUAL ENTRY IN RTECS FOR
COMPLETE INFORMATION.

SECTION 12. ----- ECOLOGICAL INFORMATION -----
DATA NOT YET AVAILABLE.

SECTION 13. ----- DISPOSAL CONSIDERATIONS -----
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 ENVIRONMENTAL REGULATIONS.

SECTION 14. ----- TRANSPORT INFORMATION -----
CONTACT SIGMA CHEMICAL COMPANY FOR TRANSPORTATION INFORMATION.

SECTION 15. ----- REGULATORY INFORMATION -----
REVIEWS, STANDARDS, AND REGULATIONS

DEL=MAK
DEL-RUSSIA:STEL 5 MG/M3 JAN93
NOHS 1974: HZD 80389; NIS 17; TNF 1797; NOS 25; TNE 25710
NOES 1983: HZD 80389; NIS 24; TNF 3706; NOS 48; TNE 115042; TFE 83784
EPA TSCA SECTION 8(B) CHEMICAL INVENTORY
EPA TSCA TEST SUBMISSION (TSCATS) DATA BASE, OCTOBER 1995

SECTION 16. ----- OTHER INFORMATION -----

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