MATERIAL SAFETY DATA SHEET

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SECTION 1. - - - - - - - - - CHEMICAL IDENTIFICATION- - - - - - - - - -

CATALOG#: IB70194
NAME: GLYCINE
CAS#: 56-40-6

SECTION 2. - - - - - - - - - - HAZARDS IDENTIFICATION - - - - - - - - -

THIS MATERIAL IS NOT CONSIDERED HAZARDOUS UNDER 29 CFR 1910.1200. AS WITH ALL CHEMICALS, USE PROPER CARE WHEN HANDLING

HMIS:		NFPA:	
H:	0	H:	1
F:	1	F:	0
R:	0	R:	0
PE:	B	SH:	N/A

SECTION 3. - - - - - COMPOSITION/INFORMATION ON INGREDIENTS - - - - - -

CHEMICAL NAME:	CAS#:	RTECS #:	EINECS#	%:
GLYCINE	56-40-6	MB7600000	200-272-2	>99

FOR MORE INFORMATION SEE COMPLETE RTECS ENTRY.
MF: $C_2H_5NO_2$
EC NO: 200-272-2
SYNONYMS
AMINOACETIC ACID * GLYCOLIXIR * HAMPSHIRE GLYCINE *

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. IF NOT BREATHING GIVE ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT, GIVE OXYGEN.
IF SWALLOWED, WASH OUT MOUTH WITH WATER PROVIDED PERSON IS CONSCIOUS. CALL A PHYSICIAN.
WASH CONTAMINATED CLOTHING BEFORE REUSE.

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
THIS MATERIAL, LIKE MOST MATERIALS IN POWDER FORM, IS CAPABLE OF CREATING A DUST EXPLOSION.
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- - - - - - - - - -

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.
STORE AT ROOM TEMPERATURE.

SECTION 8. - - - - - - EXPOSURE CONTROLS/PERSONAL PROTECTION- - - - - -

CHEMICAL SAFETY GOGGLES.
COMPATIBLE CHEMICAL-RESISTANT GLOVES.
NIOSH/MSHA-APPROVED RESPIRATOR.
SAFETY SHOWER AND EYE BATH.
MECHANICAL EXHAUST RECPMMENDED.

SECTION 9. - - - - - - - PHYSICAL AND CHEMICAL PROPERTIES - - - - - - -

APPEARANCE AND ODOR
CRYSTALLINE POWDER

SECTION 10. - - - - - - - - -STABILITY AND REACTIVITY - - - - - - - - -

STABILITY
STABLE.
INCOMPATIBILITIES
STRONG OXIDIZING AGENTS
HAZARDOUS COMBUSTION OR DECOMPOSITION PRODUCTS
TOXIC FUMES OF:
CARBON MONOXIDE, CARBON DIOXIDE
NITROGEN OXIDES
AMMONIA
HAZARDOUS POLYMERIZATION
WILL NOT OCCUR.

SECTION 11. - - - - - - - - - TOXICOLOGICAL INFORMATION - - - - - - - -

ACUTE EFFECTS
MAY BE HARMFUL BY INHALATION, INGESTION, OR SKIN ABSORPTION.
MAY CAUSE EYE IRRITATION.
MAY CAUSE SKIN IRRITATION.

MATERIAL MAY IRRITATE THE MUCOUS MEMBRANES & UPPER RESPIRATORY TRACT.
TO THE BEST OF OUR KNOWLEDGE, THE CHEMICAL, PHYSICAL, AND
TOXICOLOGICAL PROPERTIES HAVE NOT BEEN THOROUGHLY INVESTIGATED.

RTECS #: MB7600000
GLYCINE
TOXICITY DATA

ORL-RAT LD50:7930 MG/KG	YACHDS 5,1502,1977
SCU-RAT LD50:5200 MG/KG	YACHDS 5,1502,1977
IVN-RAT LD50:2600 MG/KG	YACHDS 5,1502,1977
ORL-MUS LD50:4920 MG/KG	YACHDS 5,1502,1977
IPR-MUS LD50:4450 MG/KG	YACHDS 5,1502,1977
SCU-MUS LD50:5060 MG/KG	YACHDS 5,1502,1977
IVN-MUS LD50:2370 MG/KG	YACHDS 5,1502,1977

ONLY SELECTED REGISTRY OF TOXIC EFFECTS OF CHEMICAL SUBSTANCES
(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 - - - - - - - - -

NOT REGULATED.

SECTION 15. - - - - - - - - - REGULATORY INFORMATION - - - - - - - - - -

EUROPEAN INFORMATION
R: N/A
S: N/A
TLV AND SOURCE
FOR NUISANCE PARTICULATES:
ACGIH TLV-TWA: 10 MG/M3.
OSHA PEL: 8H TWA 15 MG/M3, TOTAL DUST.
OSHA PEL: 8H TWA 5 MG/M3, RESPIRABLE FRACTION.
REVIEWS, STANDARDS, AND REGULATIONS
OEL=MAK
OEL-RUSSIA:STEL 5 MG/M3 JAN 1993
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 SECTION 8(D) UNPUBLISHED HEALTH/SAFETY STUDIES
EPA TSCA TEST SUBMISSION (TSCATS) DATA BASE, APRIL 1997

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

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