

GLYCERIN

Brand-Nu Laboratories, Inc.

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MSDS NO. 0151

MATERIAL SAFETY DATA SHEET

PREPARATION DATE 7/98

PREPARER R. W. BELL

**EMERGENCY
PHONE
NUMBERS**

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**PRECAUTIONARY
LABELING**

RATING SCALE	HMS	
0 = NONE	HEALTH	2
1 = SLIGHT	FLAMMABILITY	1
2 = MODERATE	REACTIVITY	0
3 = SEVERE	PERSONAL PROTECTION	X
4 = EXTREME		

**SECTION I
PRODUCT
IDENTIFICATION
OTHER NAMES**

GLYCERIN
PC2600G , A00504
GLCEROL; GLYCERINE; GLYCYL ALCOHOL;PROPANETRIOL.

**SECTION II
COMPONENTS**

CHEMICAL IDENTITY	CAS NO.	OSHA PEL	ACGIH TLV	OTHER LIMITS	%
GLYCERIN	56-81-5	10mg/M ³ TWA	10mg/M ³ TWA	N.A.	100%

**SECTION III
PHYSICAL
PROPERTIES**

BOILING POINT	290° C. (DECOMP)	SPECIFIC GRAVITY	1.2613
VAPOR PRESSURE (mm Hg)	0.0025 @ 50° C.	VAPOR DENSITY (AIR=1)	3.1
MELTING POINT	18° C.	EVAPORATION RATE (BUTYL ACETATE = 1)	< 1.0
SOLUBILITY IN WATER	COMPLETE IN ALL PROPORTIONS.		
APPEARANCE AND ODOR	COLORLESS TO PALE YELLOW SYRUPY LIQUID WITH NO ODOR.		

**SECTION IV
FIRE
EXPLOSION**

FLASH POINT	198° C.	FLAMMABLE LIMITS	UPPER	N.A.
METHOD USED	TCC		LOWER	0.9%
EXTINGUISHING MEDIA	USE EXTINGUISHING MEDIA APPROPRIATE TO THE SURROUNDING FIRE.			
SPECIAL FIREFIGHTING PROCEDURES	WEAR PROPER PROTECTIVE EQUIPMENT AND SCBA WITH FULL FACE-PIECE OPERATED IN THE POSITIVE PRESSURE MODE. MOVE FIRE EXPOSED CONTAINERS FROM AREA IF IT CAN BE DONE WITHOUT RISK.			
UNUSUAL FIRE AND EXPLOSION HAZARDS	NONE IDENTIFIED.			

**SECTION V
REACTIVITY
DATA**

STABILITY	STABLE	YES
	UNSTABLE	
CONDITIONS TO AVOID	EXCESSIVE HEAT.	
INCOMPATIBILITY	STRONG OXIDIZERS, STRONG ACIDS	
HAZARDOUS DECOMPOSITION PRODUCTS	ACROLEIN, CARBON MONOXIDE, CARBON DIOXIDE.	
HAZARDOUS POLYMERIZATION	WILL OCCUR	
	WILL NOT OCCUR	XX

N.A. = NOT APPLICABLE / NOT AVAILABLE
 N.E. = NOT ESTABLISHED

SECTION VI HEALTH HAZARD DATA	RTECS NUMBER		MA8050000					
	PRIMARY ROUTES OF ENTRY							
	INHALATION	YES	INGESTION	YES	SKIN ABSORPTION	YES	EYE CONTACT	YES
	CARCINOGENICITY							
	NTP	NO	IARC	NO	Z LIST	NO	OSHA	NO
	REPRODUCTIVE EFFECTS	NONE IDENTIFIED.						
TARGET ORGANS	KIDNEYS, CENTRAL NERVOUS SYSTEM							
MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE								
KIDNEY DISEASE, LIVER DISEASE.								
EFFECTS OF OVEREXPOSURE	INHALATION :		MAY CAUSE RESPIRATORY IRRITATION.					
	INGESTION :		MAY CAUSE HEADACHE, NAUSEA, VOMITING, GASTROINTESTINAL IRRITATION.					
	SKIN CONTACT:		MAY CAUSE IRRITATION.					
	EYE CONTACT :		MAY CAUSE IRRITATION.					
EMERGENCY AND FIRST AID	INHALATION :		REMOVE TO FRESH AIR. IF BREATHING IS DIFFICULT GIVE OXYGEN.					
	INGESTION :		IF INGESTED REMOVE MATERIAL BY GASTRIC LAVAGE OR EMESIS. SEEK MEDICAL ATTENTION.					
	EYE CONTACT:		IMMEDIATELY FLUSH EYES WITH WATER FOR AT LEAST 15 MINUTES.					
	SKIN CONTACT:		IMMEDIATELY FLUSH SKIN WITH WATER FOR AT LEAST 15 MINUTES.					
	CHRONIC EFFECTS:		NONE IDENTIFIED.					
SECTION VII INDUSTRIAL PROTECTIVE EQUIPMENT	VENTILATION :		USE GENERAL OR LOCAL EXHAUST VENTILATION TO MEET TLV REQ.					
	RESPIRATORY PROTECTION :		NONE REQUIRED WHERE ADEQUATE VENTILATION CONDITIONS EXIST. ABOVE TLV WEAR SELF-CONTAINED BREATHING APPARATUS.					
	EYE / SKIN PROTECTION :		SAFETY GOGGLES AND FACE SHIELD, UNIFORM OR PROTECTIVE WORK CLOTHING, CHEMICALLY RESISTANT RUBBER GLOVES.					
SECTION VIII AND DISPOSAL PROCEDURES	STEPS TO BE TAKEN IN CASE OF SPILLS		CAREFULLY ABSORB SPILL ON VERMICULITE OR DIATOMACEOUS EARTH AND PLACE IN A PLASTIC BAG FOR LATER DISPOSAL. FLUSH SPILL AREA WITH FRESH WATER.					
	WASTE DISPOSAL METHOD		DISPOSE IN ACCORDANCE WITH ALL EXISTING FEDERAL, STATE, AND LOCAL ENVIRONMENTAL REGULATIONS.					
SECTION IX SHIPPING	PROPER SHIPPING NAME		CHEMICALS, N.O.S. (NON-REGULATED) GLYCERIN					
	HAZARD CLASS		N.A.					
	PACKING GROUP		N.A.					
	UN / NA NUMBER		N.A.					
	LABELS		N.A.					

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