



PUREX INDUSTRIAL
MATERIAL SAFETY DATA SHEET



F2550 1/89

SECTION I - PRODUCT NAME: G-O-E-S

7499

Manufacturer's Name: PUREX INDUSTRIAL
Address: 7300 Bolsa Ave., Westminster, CA 92684-3600
Emergency Telephone No.: (614) 387-6200 Info. Tel. No. (714) 890-3600

SECTION II - HAZARDOUS INFORMATION:

COMPONENTS	C.A.S. Number	CERCLA RC SPILL lbs.	RCRA Waste No.	ACGIH TLV	OSHA TWA	% WT.
*2-Butoxy ethanol	111762	Not listed	None	N.L.	N.L.	< 5
Nonylphenoxy poly(ethyleneoxy) ethanol	9016439	Not listed	None	N.L.	N.L.	< 5
Sodium metasilicate	10213793	Not listed	None	N.L.	N.L.	< 5
NON-HAZARDOUS COMPONENTS (Over 3%) LISTED PER 34 PA CODE CHS 301, 305, 307 & 309						
Water	7732185					
CARCINOGENS (As defined in 29CFR 1910-1200)	NTP	IARC	OSHA			
None	None	None	None			
PROPER SHIPPING NAME	HAZARD CLASS:		HAZARD I.D. No.:			
Compound, Cleaning, Liquid, NOI	Not regulated		None			

SECTION III - PHYSICAL DATA:

BOILING POINT, °F:	212	SPECIFIC GRAVITY:	1.0
VAPOR PRESSURE (mmHg):	Not determined	VOLATILE, % BY VOL.:	95
VAPOR DENSITY (AIR = 1):	Not determined	EVAPORATION RATE (Water = 1):	1
APPEARANCE AND ODOR:	Pink liquid, solvent odor	SOLUBILITY IN WATER:	100%
		pH (Conc.):	12.8-13.2

SECTION IV - FIRE AND EXPLOSION HAZARDS:

FLASH POINT AND METHOD USED:	None, T.C.C.
EXTINGUISHING MEDIA:	Carbon dioxide, Dry chemical, Foam
SPECIAL FIRE FIGHTING PROCEDURE AND PRECAUTIONS:	None
UNUSUAL FIRE AND EXPLOSION HAZARDS:	None

SECTION V - HEALTH, EMERGENCY AND FIRST AID INFORMATION:

EFFECTS OF OVER EXPOSURE: EYES:	Slight irritant
SKIN:	Slight irritant *2-Butoxy ethanol is readily absorbed through the skin where it exerts a toxic effect on the kidneys, liver and the blood forming system. Repeated overexposure may aggravate any pre-existing disfunction of these systems.
INHALATION:	Extremely high concentrations or fine sprays may be irritating to the respiratory tract.
INGESTION:	Slightly to moderately toxic
MEDICAL CONDITIONS WHICH MAY BE AGGRAVATED:	No data found.

Chemicals in Section II That Have An Asterisk Are Subject To SARA Section 313 And 40 CFR 372 Reporting.

NO: F2550

FIRST AID: EYES:	Immediately flush with water for 15 minutes. Get medical attention.
SKIN:	Flush with water. Remove any contaminated/wetted clothing.
INHALATION:	Remove to fresh air.
INGESTION:	Give several glasses of water or milk to dilute the ingested material. Call a physician.
PRIMARY ROUTES OF ENTRY:	INHALATION <u>Yes</u> SKIN CONTACT <u>Yes</u> OTHER <u>Ingestion</u>

SECTION VI — REACTIVITY DATA:

STABILITY: STABLE <u>Yes</u> UNSTABLE _____ HAZARDOUS POLYMERIZATION WILL NOT OCCUR
CONDITIONS TO AVOID: <u>None</u>
HAZARDOUS DECOMPOSITION PRODUCTS: <u>None</u>

SECTION VII — SPILL, LEAK AND DISPOSAL PROCEDURE:

SPILL OR RELEASE PROCEDURE: CONCENTRATE:	Dike area if spillage is large. Mop up spillage, flush or rinse with water and allow to dry.
USE SOLUTION:	Dike area if spillage is large. Mop up spillage, flush or rinse with water and allow to dry.
DISPOSAL INFORMATION: CONCENTRATE:	Flush with water into waste treatment systems and/or in accordance with Federal, State and Local ordinances.
SPENT SOLUTION AND RINSES:	Flush with water into waste treatment systems and/or in accordance with Federal, State and Local ordinances.

SECTION VIII — SPECIAL PROTECTION INFORMATION:

RESPIRATORY PROTECTION:	<u>None required</u>
VENTILATION:	<u>Normal ventilation means.</u>
PROTECTIVE EQUIPMENT: CHEMICAL FACE SHIELD OR GOGGLES: <u>No</u> GLOVES <u>Yes</u> BOOTS <u>No</u> APRON <u>No</u> PROTECTIVE SUIT <u>No</u> GLOVES, BOOTS, APRON AND SUIT MADE FROM: <u>Rubber or Vinyl</u>	
RECOMMENDED PERSONAL HYGIENE:	<u>use adequate washing facilities. Wash hands or other contact areas thoroughly. Change clothing if wetted with product. Do not reuse clothing wetted with product before clothing is laundered.</u>

SECTION IX — OTHER INFORMATION:

SPECIAL PRECAUTIONS — STORAGE AND HANDLING:	<u>Normal handling processes; inside storage at 40-100°F. recommended. *Inhalation birth defect studies have been conducted in rats at relatively high doses (200 & 300 ppm respectively). Although some toxic effects were noted in either the developing embryo or fetus in two of these studies, they were considered to be secondary to toxic effects in the mother. Another study in rabbits at 200 ppm showed similar results. No birth defects were reported in any of these studies.</u>
SCAQD: Volatile Organic Compounds:	<u>47 gm/L, 0.6 mm @ 20°C. Vapor Pressure</u>
MIXING:	<u>Add to water carefully to avoid splashing on self or clothing.</u>
REPAIR AND MAINTENANCE OF CONTAMINATED EQUIPMENT:	<u>A program of regular cleaning, repairing and replacing of worn-out parts and contaminated equipment is highly desirable.</u>
DATE PREPARED: <u>1/89</u> DATE REVIEWED _____	
APPROVED: _____ Q.C. DEPT. / _____ R & E. DEPT. / _____ SAFETY & ENVIRON.	