

PUREX INDUSTRIAL
MATERIAL SAFETY DATA SHEET

PENWALT

F-8050 1/89 INFORMATION PERTAINS TO AEROSOL CONTENTS WHEREVER APPLICABLE
SECTION I — PRODUCT NAME: BLUE SKY GLASS CLEANER

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 RQ SPILL lbs.	RCRA Waste No.	ACGIH TLV	OSHA TWA	% WT
Diacetone alcohol	123422	Not listed	N.L.	50	50	<5
* Ammonium hydroxide (Ammonia)	1336216	Not listed	N.L.	25	50	<5
* 2-Butoxy ethanol	111762	Not listed	N.L.	25	50	95
CARCINOGENS (As defined in 29CFR 1910-1200)		NTP	IARC	OSHA		
None		None	None	None		
PROPER SHIPPING NAME: ORM-D Consumer Commodity		HAZARD CLASS: Not listed		HAZARD I.D. No.: None		

SECTION III — PHYSICAL DATA:

BOILING POINT, °F:	N.A.	SPECIFIC GRAVITY:	0.95
VAPOR PRESSURE (mmHg):	Not determined	VOLATILE, % BY VOL.:	N.A.
VAPOR DENSITY (AIR = 1):	Not determined	EVAPORATION RATE (water = 1):	N.A.
APPEARANCE AND ODOR:	Clear liquid Ammoniacal odor	SOLUBILITY IN WATER: pH (Conc.):	N.A. 10.3

SECTION IV — FIRE AND EXPLOSION HAZARDS:

FLASH POINT AND METHOD USED:	Under 18" Flame Proj.
EXTINGUISHING MEDIA:	Dry Chemicals, Foam or Carbon Dioxide
SPECIAL FIRE FIGHTING PROCEDURE AND PRECAUTIONS:	Cool aerosol cans in vicinity of fire of excessive heat
UNUSUAL FIRE AND EXPLOSION HAZARDS:	Temperatures over 120°F. may cause aerosol cans to burst

SECTION V — HEALTH, EMERGENCY AND FIRST AID INFORMATION:

EFFECTS OF OVER EXPOSURE: EYES:	May irritate eyes on repeated contact
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:	On prolonged exposure vapor may irritate mucous membranes and lungs
INGESTION:	Slightly 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: F-8050

FIRST AID: EYES	Flush eyes with large amounts of water. Get medical attention if injury persists.
SKIN:	Flush skin with large amounts of water. Get medical attention if injury persists.
INHALATION:	No effects of exposure expected.
INGESTION:	Drink several glasses of water or milk.
PRIMARY ROUTES OF ENTRY:	INHALATION <u>Yes</u> SKIN CONTACT <u>Yes</u> OTHER <u>NO</u>

SECTION VI — REACTIVITY DATE:

STABILITY: STABLE <u>Yes</u> UNSTABLE <u>NO</u> HAZARDOUS POLYMERIZATION WILL NOT OCCUR	
CONDITIONS TO AVOID:	None
HAZARDOUS DECOMPOSITION PRODUCTS:	None



SECTION VII — SPILL, LEAK AND DISPOSAL PROCEDURE:

SPILL OR RELEASE PROCEDURE: CONCENTRATE:	Soak up spillage with chemically inert, absorbent material, provide adequate ventilation.
USE SOLUTION:	Soak up spillage with chemically inert, absorbent material, provide adequate ventilation.
DISPOSAL INFORMATION: CONCENTRATE:	Dispose of aerosol cans in non-incinerated trash only. Disposal must be in accordance with Federal, State and Local ordinances.
SPENT SOLUTION AND RINSES:	Dispose of aerosol cans in non-incinerated trash only. Disposal must be in accordance with Federal, State and Local ordinances.

SECTION VIII — SPECIAL PROTECTION INFORMATION:

RESPIRATORY PROTECTION:	None required
VENTILATION:	<u>X</u> Normal Rate
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: Rubber or Vinyl	
RECOMMENDED PERSONAL HYGIENE:	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.

SECTION IX — OTHER INFORMATION:

SPECIAL PRECAUTIONS — STORAGE AND HANDLING: 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.	
SCAQMD: Volatile Organic Compounds: 47 g/L, 0.6 mm @ 20°C. Vapor Pressure	
MIXING:	Not necessary
REPAIR AND MAINTENANCE OF CONTAMINATED EQUIPMENT:	A program of regular cleaning, repairing and replacing of worn-out parts and contaminated equipment is highly desirable.
DATE PREPARED: 1/89	DATE REVIEWED:
APPROVED:	QC DEPT./  R & D DEPT./  SAFETY & ENVIRON