

MATERIAL SAFETY DATA SHEET

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HMIS HAZARD RATING	
HEALTH	1
FIRE	0
REACTIVITY	0
PERSONAL PROTECTION	C

DATE OF PREPARATION
JANUARY 21, 2002
BY TECHNICAL SERVICES

DATE OF REVIEW/UPDATE
AUGUST 1, 2006

SECTION 1 - PRODUCT IDENTIFICATION

ITEM NUMBER

1186

PRODUCT NAME

TECHNICIAN'S CHOICE TEC481 PINK HEAVY DUTY GLASS CLEANER

PRODUCT CLASS

GLASS CLEANER

SECTION 2 - HAZARDOUS INGREDIENTS

INGREDIENT CAS NUMBER	MAX. % BY WT.	TLV ¹	PEL ²
2-BUTOXYETHANOL 111-76-2	1-10	25ppm skin	25ppm skin
2-METHOXYMETHYLETHOXY-PROPANOL 34590-94-8	1-10	100ppm skin	100ppm skin
AMMONIA 1336-21-6	1-10	25ppm	35ppm
2-PROPANOL 67-63-7	1-10	400ppm	400ppm

Listed as IARC, NTP, or OSHA Carcinogen: NONE

SECTION 3 - PHYSICAL CHARACTERISTICS

BOILING POINT:	212F
VAPOR PRESSURE(mmHg @ 68F)	NOT DETERMINED
VAPOR DENSITY(AIR=1)	NOT DETERMINED
SOLUBILITY IN WATER:	COMPLETE
SPECIFIC GRAVITY:	1.0+/-0.05
% VOLATILE (VOLUME)	99+/-1.0
MELTING POINT:	NOT APPLICABLE
EVAPORATION RATE(water=1)	1
APPEARANCE AND ODOR:	PINK LIQUID, AMMONIA ODOR

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SECTION 4 - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT / METHOD: NONE TO BOIL F / TCC
FLAMMABLE LIMITS: LEL: UNKNOWN UEL: UNKNOWN
EXTINGUISHING MEDIA:

Water fog, dry chemicals or carbon dioxide.

SPECIAL FIRE FIGHTING PROCEDURES:

Full protective equipment including self contained breathing apparatus for confined areas.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

Vapors are heavier than air. Treat as petroleum fire.
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SECTION 5 - HEALTH HAZARD DATA

SYMPTOMS OF OVEREXPOSURE:

EYES: Can cause irritation, redness, blurred vision, Moderate corneal injury.

SKIN: Prolonged or repeated contact can cause moderate irritation, defatting, dermatitis and have a narcotic effect.

INHALATION: Excessive breathing of vapors can cause nasal and respiratory irritation.

INGESTION: Can cause gastrointestinal irritation.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE;

EMERGENCY AND FIRST AID PROCEDURES:

INHALATION Remove exposure.

SKIN Wash affected area with soap and water. Remove contaminated clothing and launder before reuse.

EYES Flush with large amounts of water. Get medical attention.

IF SWALLOWED Induce vomiting. Seek medical attention.
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SECTION 6 - REACTIVITY DATA

STABILITY: Stable

INCOMPATIBILITY: Strong oxidizers

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon oxides and other products of incomplete combustion.

HAZARDOUS POLYMERIZATION: Will not occur.
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SECTION 7 - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IF MATERIAL IS SPILLED OR LEAKED:

Contain spill. Ventilate and remove with inert absorbent.

WASTE DISPOSAL METHOD:

Waste from this product may be hazardous as defined by the Resource Conservation and Recovery Act (RCRA) 40 CFR 261. Dispose of in accordance with federal, state and local regulations.
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SECTION 8 - SPECIAL PROTECTION INFORMATION

VENTILATION:

Use only with adequate ventilation. Avoid breathing vapor or mist.
Local exhaust preferred.

RESPIRATORY PROTECTION:

If required a properly fitted NIOSH/MSHA approved respirator rated for the hazardous ingredients found in (SECTION 2).

SKIN PROTECTION:

Gloves rated for protection against ingredients in (SECTION 2).

EYE PROTECTION:

Safety glasses with side shields or chemical goggles.

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SECTION 9 - PRECAUTIONARY INFORMATION

PRECAUTIONS TO BE TAKEN IN STORING AND HANDLING:

Do not smoke. Never wear soaked clothing. Launder or dry-clean before wearing. Affix proper warning labels on containers in accordance with 29CFR 1010.1200.

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SECTION 10 - REGULATORY INFORMATION

D.O.T. REQUIREMENTS (49CFR 172.101)
NOT REGULATED

RQ (REPORTABLE QUANTITY) 49CFR 172.101

COMPONENT	RQ (lb.)	FOR THIS PRODUCT
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AMMONIA	100	1000

TSCA (Toxic Substances Control Act) Status

The intentional ingredients of this product are listed.

CERCLA RQ - 40CFR 302.4

COMPONENT	RQ (lb.)	FOR THIS PRODUCT
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AMMONIA	100	1000

SARA 302 COMPONENTS - 40CFR 355 Appendix A
None

SECTION 311/312 HAZARD CLASS - 40CFR 370.2

Immediate	(X)	Reactive	()
Delayed	(X)	Sudden Release of Pressure	()
Fire	()		

SARA 313 COMPONENTS - 40CFR 372.65

COMPONENT	CAS NUMBER	MAXIMUM PERCENT
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AMMONIA	7664-41-7	1

WORKKPLACE HAZARDOUS INFORMATION SYSTEM (WHMIS)

INGREDIENT	MAX. % BY WT.	LD50	LC50
2-BUTOXYETHANOL	10	1480mg/kg	unknown
111-76-2		oral-rat	
2-PROPANOL	10	5800mg/kg	
		oral-rat	

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The information contained herein is based on data we believe to be correct. Any use of the product which is not in conformance with this MSDS or which involves using the product in combination with any other product or any process is the responsibility of the user.

¹ ACGIH

² OSHA