

TRADE NAME: Blankrola Solvent

DATE: August 2006
(REVISED)

I. PRODUCT IDENTIFICATION

Part Numbers: 83-1-770004(1-Gal), 83-9-770005(5-Gal), 83-9-770055(50-Gal)

Name/Synonym: Blanket Cleaning Solvent

Manufactured and Distributed by:

Presstek, Inc.
55 Executive Drive
Hudson, NH 03051

Emergency Phone - Day - (603) 595-7000
Night - Chemtrec (800) 424-9300

II. INGREDIENTS - Confidential Information for Safety/Health Use Only
(ALL EXPOSURE LIMITS ARE PPM UNLESS OTHERWISE NOTED)

Chemical Name	CAS#	OSHA PEL	ACGIH, NIOSH TLV, EXPOSURE LIMITS	NTP, IARC OSHA TWA	WT %
				STEL	CARCINOGEN
Perchloroethylene	127-18-4	25	50	200	Yes*
Aliphatic Hydrocarbon	64742-48-9	100**	100	200	No
Aliphatic Hydrocarbon	8032-32-4	300	300	400	No
Aromatic Hydrocarbon	64742-95-6	100	100	150	No
					5-8

* Found to be a potential human carcinogen.

** Recommend that limits for Stoddard Solvent be used as a guide.
This product is an OSHA Class II Combustible Liquid.

III. PHYSICAL PROPERTIES

Boiling Point (°F):	250-300	Specific Gravity (H ₂ O=1):	0.97
Vapor Pressure (mm Hg):	2.86 @20°C°	Melting Point:	N/E
Vapor Density (Air=1):	5.83	Evaporation Rate	
Solubility in Water:	< 0.1 %	(butyl acetate=1):	1.4
Appearance/Odor:	Blue liquid, odor of perchloroethylene	pH:	N/A

IV. FIRE AND EXPLOSION HAZARD

Flash Point: 108°F Tag CC Flammable Limits: LEL: 1.1 UEL: 5.9
 Extinguishing Media: CO₂, Foam, Dry Chemical
 Special Fire Fighting Procedure: Water could spread the fire.
 Unusual Fire/Explosion Hazards: Chlorinated hydrocarbons involved
 in fires can decompose to hydrogen chloride and traces of phosgene.

N/A = Not Applicable

N/E = Not Established

V. REACTIVITY DATA

Stability: Stable Conditions to Avoid: Open Flames
Incompatibility, Materials to Avoid: Strong oxidizing agents.
Hazardous Decomposition Products: Burning may produce CO, CO₂, HCl
and traces of phosgene.
Hazardous Polymerization: Will not occur.

VI. SPILL OR LEAK PROCEDURE/WASTE DISPOSAL

Absorb spills with absorbent material. Disposal; [Hazardous waste] dispose of waste solvent and any absorbant in accordance with EPA regulations. DO NOT pour into sewer, septic or onto ground.

VII. HEALTH HAZARD DATA

- A) Routes of entry, signs and symptoms of overexposure, acute and chronic effects.
 - Eye: Irritation can occur from perchloroethylene.
 - Skin: Prolonged contact may cause dermatitis.
 - Inhalation: Has narcotic effect - avoid prolonged contact. May cause lost coordination or tremors upon overexposure.
 - Ingestion: Nausea, GI irritation, if aspirated may be rapidly absorbed through the lungs and injure other systems.
 - Target Organs: skin, eyes, resp. sys., CNS, liver, kidney.
- B) Carcinogenicity: IARC and OSHA have determined that perchloroethylene is a potential human carcinogen.
- C) Medical conditions generally aggravated by normal exposure: Blood pressure, heart, liver, kidney or pulmonary problems. Nervous conditions, excessive obesity or alcohol consumption problems.
- D) Emergency and First Aid
 - Eye: Irrigate with water for 10-15 minutes.
 - Skin: Wash with water. Wash contaminated clothing.
 - Inhalation: Move to fresh air, if breathing is difficult, give oxygen.
 - Ingestion: DO NOT induce vomiting. Get medical aid.

VIII. SPECIAL PROTECTION INFORMATION

Respiration Protection: If required, an approved self-contained breathing apparatus.
Ventilation - Local Exhaust: Only if TLV is exceeded.
Protective Gloves: Nitrile NBR Eye Protection: Safety Glasses
Other Protection: Rubber apron to keep solvent off clothing.

IX. SPECIAL PRECAUTIONS

Handling and Storage: Store in a cool, dry place in an area for Class II combustible liquids. Keep from reach of children.
Other: For Commercial use only. Deposit wiping cloths in safety container to avoid combustion. Do not reuse container.

X. ENVIRONMENTAL DATA

Hazardous Substance (40 CFR 372: SARA Sec. 313)
perchloroethylene (tetrachloroethylene) 25% max.
Hazardous Substance (40 CFR 302: CERCLA Table 302.4)
perchloroethylene, RQ 100 lb.

RCRA Waste Number
U210 (tetrachloroethylene); Used Product: F001

Volatile Organic Compounds
8.09 lbs./gallon or 969.4 grams/liter (calculated)

SARA Hazard Class
Acute: yes Chronic: yes Fire: yes Pressure: no Reactivity: no

HMIS Rating
Health: 2 Flammability: 2 Reactivity: 0 Personal Protection: B

XI. SHIPPING INFORMATION

- * One Gallon Container (83-1-770004) and Five Gallon Can (83-9-770005)
 - SURFACE Transportation:
 - Proper Shipping Name: Not Regulated Labels: None
 - VESSEL Transportation:
 - Proper Shipping Name: Flammable Liquid, n.o.s. (naphtha), 3, UN1993, UN1993, PG III, FP 108F. Labels: 1-Gal.- None (LTDQTY) 5-Gal.- Flammable Liquid
 - AIR Transportation:
 - Proper Shipping Name: 1 Gallon; Same as "Vessel" above.
 - 5 Gallon; FORBIDDEN on Passenger Plane,
OK on Cargo Plane
 - Labels: "Flammable Liquid" labels required on both 1-Gal. and 5-Gal.
- * Fifty Gallon (83-9-770055) Drum
 - SURFACE Transportation:
 - Proper Shipping Name: Environmentally Hazardous Substance, Liquid, 9, UN 3082, PG III, RQ Tetrachloroethylene
 - VESSEL Transportation:
 - Proper Shipping Name: Flammable Liquid, n.o.s., (Naphtha), 3, UN 1993, PG III, F.P. 108oF
 - Stowage Info: May be stored above deck or below deck on either passenger or cargo vessels. M3 (rsvd).
 - AIR Transportation: FORBIDDEN (Drum is too large).

NOTE: The chemicals in this product are listed on the TSCA inventory.

XII. DISCLAIMER

The information contained in this Material Safety Data Sheet is furnished without warranty of any kind. Presstek believes that the information contained herein is current as of the revision date of this MSDS. Since the conditions of use of this product are beyond the control of Presstek, it is the obligation of the user to determine the conditions for safe use.