

MATERIAL SAFETY DATA SHEET 82-0070

82-0165

BOND ADHESIVES CO.

301 FRELINGHUYSEN AVE. NEWARK, NEW JERSEY 07114
INFORMATION/EMERGENCY TEL.# (201) 824-8100

PRODUCT IDENTITY/TRADE NAME: MULTI-PURPOSE ADHESIVE #527 & #5275
CHEMICAL FAMILY: NITROCELLULOSE SOLUTION

<u>COMPONENTS:</u>		%	STEL	PEL	TLV (in ppm)
ISOPROPANOL*	(CAS# 67-63-0)	<7.0	500	400	400
ACETONE*	(CAS# 67-64-1)	<66.0	1000	1000	750
PROPYLENE GLYCOL MONOETHYL ETHER ACETATE	(CAS# 108-65-6)	<4.0	(NOT ESTABLISHED)		
PLASTICIZED NITROCELLULOSE **		<25.0	(NOT ESTABLISHED)		

* THIS MATERIAL IS SUBJECT TO THE REPORTING REQUIREMENTS OF SARA TITLE III, SECTION 313.

** THE SPECIFIC CHEMICAL IDENTITY HAS BEEN WITHHELD AS A TRADE SECRET AND IS NOT CONSIDERED HAZARDOUS AS DEFINED IN 29 CFR 1910.1200 (THE HAZARD COMMUNICATION STANDARD)

BOILING POINT: 133° F ACETONE VAPOR PRESSURE: @ 20°C 186 mm Hg
SOLUBILITY IN WATER: @20° C 65%
SPECIFIC GRAVITY: 0.878
APPEARANCE AND ODOR: COLORLESS TO PALE YELLOW LIQUID - ODOR OF ISOPROPANOL & GLYCOL ESTER

PHYSICAL HAZARD DATA:

COMPRESSED GAS: NO PYROPHORIC: NO
OXIDIZER: NO ORGANIC PEROXIDE: NO
FIRE HAZARD: FLAMMABLE (DOT# UN1133 ADHESIVE) FLASH POINT: -4° F TAG CLOSED CUP
EXTINGUISHING MEDIA: DRY CHEMICAL, CO₂, FOAM
SPECIAL FIRE FIGHTING PROCEDURES:

KEEP CONTAINERS ISOLATED FROM HEAT SPARKS AND OPEN FLAME. DO NOT APPLY TO HEATED SURFACES
SELF CONTAINED BREATHING EQUIPMENT SHOULD BE WORN IN FIGHTING FIRES.

EXPLOSIVE POTENTIAL: YES LEL: 2.6 UEL: 12.8
REACTIVITY/INCOMPATIBILITY: STRONG ACIDS AND ALKALINE MATERIALS

SPECIAL STORAGE PRECAUTIONS: KEEP AWAY FROM HEAT (ABOVE 150° F), SPARKS AND OPEN FLAME

HEALTH HAZARD DATA:

ACUTE EFFECTS OF OVEREXPOSURE:

HEADACHES, VOMITING, FAINTNESS AND OR DIZZINESS. VAPORS MAY IRRITATE EYES AND/OR RESPIRATORY TRACT. ON CONTACT, SKIN

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CHRONIC EFFECTS OF OVEREXPOSURE: INHALATION - EXCESSIVE-CAN CAUSE NASAL & RESPIRATORY IRRITATION, DIZZINESS, NAUSEA, OR HEADACHE. INGESTION - CAN CAUSE GASTROINTESTINAL IRRITATION, NAUSEA, OR VOMITING; ASPIRATION INTO THE LUNGS CAN CAUSE CHEMICAL PNEUMONITIS WHICH CAN BE FATAL. EYE CONTACT - CAN CAUSE IRRITATION, REDNESS, TEARING, OR BLURRED VISION. SKIN CONTACT - PROLONGED CONTACT CAN CAUSE MODERATE IRRITATION, DEFATTING, DERMATITIS. CAN BE ABSORBED THROUGH THE SKIN.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: THE SOLVENT SYSTEM OF THIS PRODUCT MAY AGGRAVATE PRE-EXISTING DISORDERS. PROLONGED OBSERVATION MAY BE INDICATED.

PRIMARY ROUTE(S) OF ENTRY: SKIN, NOSE & MOUTH

<u>EXPOSURE LIMITS:</u>	<u>ISOPROPANOL</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>	<u>STEL</u>
		400ppm	400ppm	500ppm

EMERGENCY FIRST AID: EYE CONTACT-FLUSH FOR AT LEAST 15 MINUTES WITH CLEAN LUKEWARM WATER LIFTING EYELIDS. OBTAIN MEDICAL ATTENTION.
SKIN CONTACT-REMOVE CONTAMINATED CLOTHING. WASH AFFECTED AREAS THOROUGHLY WITH SOAP AND WATER. WASH CONTAMINATED CLOTHING THOROUGHLY BEFORE REUSE.
INHALATION-REMOVE TO AN AREA FREE OF RISK OF FURTHER EXPOSURE. ADMINISTER OXYGEN OR ARTIFICIAL RESPIRATION AS NEEDED. OBTAIN MEDICAL ATTENTION.
INGESTION- CONSULT PHYSICIAN. DO NOT INDUCE VOMITING. DAMAGE TO LUNGS EXCEEDS POISONING RISK.

SAFE HANDLING PROCEDURES

HYGIENIC PRACTICES: USE GOOD PERSONAL HYGIENE PRACTICES. WASH HANDS BEFORE EATING/DRINKING/SMOKING OR USING TOILET FACILITIES. PROMPTLY REMOVE CONTAMINATED CLOTHING/WASH THOROUGHLY BEFORE REUSE. SHOWER AFTER WORK USING SOAP AND WATER.

PROTECTIVE MEASURES DURING REPAIR/MAINTENENCE OF CONTAMINATED EQUIPMENT

KEEP SOLVENT FUMES BELOW TLV OR WEAR APPROVED RESPIRATOR. AVOID CONTACT WITH SKIN.

SPILL HANDLING/CLEAN-UP:

OBSERVE LOCAL AND STATE REGULATIONS REGARDING CLEAN-UP AND DISPOSAL OF WASTE MATERIAL.

CONTROL MEASURES

RECOMMENDED ENGINEERING CONTROLS: EXHAUST VENTILATION SUFFICIENT TO KEEP CONCENTRATIONS OF SOLVENT FUMES BELOW THEIR TLV LEVELS MUST BE UTILIZED.

RECOMMENDED WORK PRACTICES: WASH HANDS CAREFULLY BEFORE EATING OR SMOKING.

RECOMMENDED PERSONAL PROTECTIVE EQUIPMENT:

RESPIRATORY PROTECTION: IF EXPOSURE CAN EXCEED THE PEL/TLV. USE ONLY NIOSH/MSHA APPROVED AIR-PURIFYING OR SUPPLIED AIR RESPIRATOR OPERATED IN A POSITIVE PRESSURE MODE.
GLOVES: CHEMICALLY RESISTANT GLOVES.

EYE PROTECTION: SAFETY GLASSES

OTHER: NONE

COMMENTS:

NONE

DATE PREPARED/UPDATED: 5/90

PREPARED BY: RICHARD P. FRAGIACOMO/TECHNICAL DIRECTOR