

## BOND 634 / 14

## MATERIAL SAFETY DATA SHEET

## BOND ADHESIVES CO

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INFORMATION TELEPHONE # (800) 879-0527

EMERGENCY TELEPHONE # (800) 255-3924

**PRODUCT IDENTITY/TRADE NAME:** PLASTIC AND METAL ADHESIVE #634 / 14**CHEMICAL FAMILY:** POLYMER SOLUTION**COMPONENTS:**

	%	STEL	PEL	TLV
ACETONE (CAS# 67-64-1)	<38	1000	1000	1000
CYCLOHEXANONE (CAS# 108-94-1)*	<38	N/A	N/A	500
POLYMER** (TRADE SECRET REGISTRY # 20101300000-5006p)	<25	N/A	N/A	N/A

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

**BOILING POINT :** 133° F ACETONE**SOLUBILITY IN WATER:** at 20° C 22%**APPEARANCE AND ODOR:** COLORLESS TO PALE YELLOW LIQUID - ODOR OF ACETONE AND CYCLOHEXANONE**VAPOR PRESSURE:** at 20° C 186mm of Hg**SPECIFIC GRAVITY:** 0.97**PHYSICAL HAZARD DATA:****COMPRESSED GAS:** NO**OXIDIZER:** NO**PYROPHORIC:** NO**ORGANIC PEROXIDE:** NO**FIRE HAZARD:** FLAMMABLE**FLASH POINT:** -4° F TAG OPEN CUP**EXTINGUISHING MEDIA:** DRY CHEMICAL, CO<sub>2</sub>, FOAM**SPECIAL FIRE FIGHTING PROCEDURES:** KEEP CONTAINERS ISOLATED**EXPLOSIVE POTENTIAL:** YES**LEL:**

1.8

**UEL:**

10.0

**REACTIVITY /INCOMPATIBILITY:** STRONG OXIDIZING AGENTS**HMIS DESIGNATIONS****UNUSUAL HAZARDS:** EXTREMELY FLAMMABLE, LIQUIDS AND CONCENTRATED VAPORS MAY

CREATE FIRE AND EXPLOSION HAZARD. VAPORS ARE HEAVIER THAN AIR AND MAY TRAVEL TO REMOTE IGNITION SOURCES AND FLASH BACK HAZARDOUS DECOMPOSITION PRODUCTS UPON BURNING INCLUDE CARBON MONOXIDE, CARBON DIOXIDE, AS WELL AS OTHER UNIDENTIFIED ORGANIC FRAGMENTS THAT MAY BE TOXIC OR HAZARDOUS

**HEALTH HAZARD DATA:**

**ACUTE EFFECTS FROM OVEREXPOSURE:** MAY CAUSE IRRITATION TO NOSE, THROAT, AND EYES. INHALATION MAY CAUSE HEADACHE, VOMITING, FAINTNESS OR DIZZINESS, INTOXICATION; COMA; DEATH BY PARALYSIS OF RESPIRATORY SYSTEM.

Flammability 3	Reactivity 0
Health 1	Protection B

**CHRONIC EFFECTS OF OVEREXPOSURE:** REPEATED BREATHING OF SOLVENT VAPOR OR SKIN CONTACT MAY CAUSE KIDNEY AND LIVER DAMAGE. IRRITANT TO THE EYES AND MUCOUS MEMBRANES. ANEMIA; LEUCOPENIA. SKIN PROLONGED OR REPEATED CONTACT MAY CAUSE IRRITATION OR DERMATITIS EYES MARKED IRRITATION, POSSIBLY TRANSIENT CORNEAL INJURY.

**INGESTION** DEPRESSANT FOR CENTRAL NERVOUS SYSTEM. MAY CAUSE REVERSIBLE OR IRREVERSIBLE CHANGES TO EXPOSED TISSUE.

**MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:** THE SOLVENT SYSTEM OF THIS PRODUCT MAY AFFECT THE CENTRAL NERVOUS SYSTEM AND/OR AGGRAVATE PRE-EXISTING DISORDERS. PROLONGED OBSERVATIONS MAY BE INDICATED.

**PRIMARY ROUTE(S) OF ENTRY:** SKIN, INHALATION, EYES

**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/MAINTENANCE OF CONTAMINATED EQUIPMENT:** KEEP SOLVENT FUMES BELOW TLV LEVELS OR WEAR APPROVED RESPIRATOR. AVOID CONTACT WITH SKIN.

**SPILL HANDLING/CLEAN-UP:** REMOVE IGNITION SOURCES. RECOVER FREE LIQUID. ADD ABSORBENT MATERIAL TO SPILL. AVOID BREATHING VAPORS. VENTILATE CONFINED SPACES. USE NON-SPARKING TOOLS. KEEP PRODUCT OUT OF SEWERS AND/OR WATERWAYS. SMALL SPILL ALLOW VOLATILE PORTION TO EVAPORATE IN WELL VENTILATED AREA. DISPOSE OF REMAINING MATERIAL IN ACCORDANCE WITH APPLICABLE REGULATIONS. LARGE SPILL DISPOSE OF MATERIAL BY INCINERATION OR DEPOSITION IN AN APPROVED LANDFILL IN ACCORDANCE WITH LOCAL, STATE AND/OR FEDERAL REGULATIONS.

#### **CONTROL MEASURES**

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

**RECOMMENDED WORK PRACTICES:** AVOID CONTACT WITH SKIN

**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:** FOR INDUSTRIAL USE ONLY. TRANSPORTATION EMERGENCY CALL 800-255-3924. QUANTITIES LESS THAN 1 QUART ARE CLASSIFIED CONSUMER COMMODITY ORM-D IN ACCORDANCE WITH 49 CFR

**DATE PREPARED/UPDATED:** 6 2005

**PREPARED BY:** RICHARD P. FRAGIACOMO/TECHNICAL DIRECTOR