



UPACO Adhesives

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MATERIAL SAFETY DATA SHEET

PRODUCT NAME:	SOLVENT BASED ADHESIVE	HMIS CODES:	HEALTH : 2	SCALE:
PRODUCT CODE:	NG649 (R1132A)		FLAMMABILITY : 3	4=EXTREME
PRODUCT USE:	SPRAYABLE CONTACT CEMENT		REACTIVITY : 0	3=HIGH
			PROTECTION : H	2=MODERATE
				1=SLIGHT
				0=INSIGNIFICANT

===== SECTION I - MANUFACTURER IDENTIFICATION =====

MANUFACTURER'S NAME: WORTHEN INDUSTRIES
ADDRESS: 4105 CASTLEWOOD ROAD, RICHMOND, VA 23234
EMERGENCY PHONE: 804-275-9231
INFORMATION PHONE: 804-275-9231
NAME OF PREPARER: IAN CHURCHER
DATE REVISED: May 2, 2012
REASON REVISED: Reviewed

===== SECTION II - HAZARDOUS INGREDIENTS =====

THIS MATERIAL SAFETY DATA SHEET IS PREPARED TO COMPLY WITH THE UNITED STATES OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) HAZARD COMMUNICATION STANDARD (29 CFR 1910.1200).
UNLISTED INGREDIENTS ARE NOT HAZARDOUS PER THE OSHA STANDARD.

OCCUPATIONAL EXPOSURE LIMITS

HAZARDOUS COMPONENT(S)	WEIGHT/PERCENT	OSHA PEL	ACGIH TLV	CAS #
ACETONE	75.0	1000PPM	500PPM 750PPM STEL	67-64-1

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===== SECTION III - PHYSICAL / CHEMICAL CHARACTERISTICS =====

BOILING RANGE: 133°F **SPECIFIC GRAVITY:** NOT DETERMINED
VAPOR DENSITY: HEAVIER THAN AIR
EVAPORATION RATE: FASTER THAN n-BUTYL ACETATE
SOLUBILITY IN WATER: NONE
APPEARANCE AND ODOR: OPAQUE AMBER LIQUID WITH A SOLVENT ODOR.
FREEZING POINT: N/A
pH: N/A
COEFFICIENT OF WATER/OIL DIST.: N/A
ODOR THRESHOLD: N/A
SOLIDS: 25%
VOLATILE ORGANIC COMPOUNDS CONTENT (VOC): NONE

===== SECTION IV - FIRE AND EXPLOSION HAZARD DATA =====

FLASH POINT: -4°F **METHOD USED:** TCC
FLAMMABLE LIMITS IN AIR BY VOLUME - LOWER: 2.5% **UPPER:** 13.0%
EXTINGUISHING MEDIA: CO2, DRY CHEMICAL

SPECIAL FIREFIGHTING PROCEDURES:

WATER SHOULD NOT BE USED EXCEPT TO COOL CONTAINERS EXPOSED TO FLAMES OR HIGH HEAT. RESPIRATORY EQUIPMENT SHOULD BE WORN TO AVOID INHALATION OF CONCENTRATED FUMES.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

HANDLE AS A FLAMMABLE LIQUID. VAPORS FORM AN EXPLOSIVE MIXTURE IN AIR BETWEEN THE UPPER AND LOWER EXPLOSIVE LIMIT WHICH CAN BE IGNITED BY MANY SOURCES, SUCH AS PILOT LIGHTS, OPEN FLAMES, ELECTRICAL MOTORS AND SWITCHES. STORE IN COOL, WELL VENTILATED AREAS.

===== SECTION V - REACTIVITY DATA =====

STABILITY: STABLE
CONDITIONS TO AVOID: EXCESSIVE HEAT, POOR VENTILATION, CORROSIVE ATMOSPHERES, EXCESSIVE AGING.
INCOMPATIBILITY (MATERIALS TO AVOID): ALKALINE MATERIALS, STRONG ACIDS, AND OXIDIZING MATERIALS.
HAZARDOUS DECOMPOSITION OR BYPRODUCTS: CARBON MONOXIDE, CARBON DIOXIDE, ACETIC ACID, FLAMMABLE HYDROCARBON FRAGMENTS, OXIDES OF NITROGEN AND HCN.
HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

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===== SECTION VI - HEALTH HAZARD DATA =====

INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE: INHALATION: PROLONGED INHALATION OF HIGH VAPOR CONCENTRATIONS MAY RESULT IN A NARCOTIC EFFECT RANGING FROM DIZZINESS, NAUSEA AND HEADACHES, TO UNCONSCIOUSNESS.

SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE: EYES: SEVERE IRRITATION, TEARING, REDNESS, BURNING SENSATION AND BLURRED VISION.

SKIN ABSORPTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE: SKIN: CAN DRY AND DEFAT SKIN, CAUSING CRACKING, IRRITATION AND DERMATITIS.

INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE: INGESTION: CAN CAUSE GASTROINTESTINAL IRRITATION, VOMITING, NAUSEA AND DIARRHEA.

HEALTH HAZARDS (ACUTE AND CHRONIC):

INHALATION: DIZZINESS, BREATHING DIFFICULTY, HEADACHES AND LOSS OF COORDINATION. EYE CONTACT: SEVERE IRRITATION, REDNESS, TEARING AND BLURRED VISION. SKIN CONTACT: CAN DRY AND DEFAT SKIN CAUSING CRACKS, IRRITATION AND DERMATITIS. INGESTION: CAN CAUSE GASTROINTESTINAL IRRITATION, VOMITING, NAUSEA AND DIARRHEA. NO CHRONIC HEALTH EFFECTS.

CARCINOGENICITY: NTP? NO **IARC MONOGRAPHS?** NO **OSHA REGULATED?** NO

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: ANESTHESIA, RESPIRATORY TRACT IRRITATION, DERMATITIS, NAUSEA AND VOMITING.

EMERGENCY AND FIRST AID PROCEDURES: INHALATION OVEREXPOSURE: MOVE PERSON TO FRESH AIR. IF BREATHING STOPS, APPLY ARTIFICIAL RESPIRATION AND SEEK MEDICAL ATTENTION IMMEDIATELY. EYE CONTACT: FLUSH WITH LARGE QUANTITIES OF WATER FOR 15 MINUTES, GET MEDICAL ATTENTION IF PROBLEM PERSISTS. SKIN CONTACT: WASH THOROUGHLY WITH WATER AND CONSULT A DOCTOR. INGESTION: DO NOT INDUCE VOMITING, THIS CAN CAUSE PNEUMONITIS AND PULMONARY EDEMA....CONTACT A PHYSICIAN IMMEDIATELY.

===== SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE =====

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: ELIMINATE IGNITION SOURCES, PROVIDE VENTILATION, DIKE THE SPILL AREA, AND ADD ABSORBENT EARTH OR SAWDUST TO SPILLED MATERIAL. CLEAN-UP PERSONNEL SHOULD WEAR RUBBER GLOVES AND RESPIRATORY PROTECTION.

WASTE DISPOSAL: COLLECT ABSORBENT MATERIAL INTO METAL WASTE CONTAINERS AND DISPOSE OF IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL HAZARDOUS WASTE REGULATIONS PERTAINING TO THE LISTED HAZARDOUS CHEMICALS.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: STORE IN A WELL VENTILATED AREA, AWAY FROM HEAT, SPARKS, OPEN FLAME. USE NON-SPARKING UTENSILS WHEN HANDLING LIQUID MIXTURES.

OTHER PRECAUTIONS: SMOKING IN AREA THIS MATERIAL IS STORED SHOULD BE STRICTLY PROHIBITED. TOOLS USED WITH THIS MATERIAL SHOULD BE MADE FROM BRASS, ALUMINUM OR COPPER. PLASTIC UTENSILS SHOULD NOT BE USED BECAUSE THEY MAY GENERATE SPARKS. NOTE: THIS INFORMATION IS ACCURATE TO THE BEST KNOWLEDGE OF WORTHEN INDUSTRIES, BUT IS FURNISHED WITHOUT ANY EXPRESSED OR IMPLIED WARRANTIES.

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===== SECTION VIII - CONTROL MEASURES =====

RESPIRATORY PROTECTION: IF SPRAYING THIS MATERIAL, USE A NIOSH APPROVED CARTRIDGE RESPIRATOR OR GAS MASK SUITABLE TO KEEP AIRBORNE MISTS AND VAPOR CONCENTRATIONS BELOW THE TIME WEIGHED THRESHOLD LIMIT VALUES. WHEN USING IN POORLY VENTILATED AND CONFINED SPACE USE A FRESH AIR SUPPLYING RESPIRATOR OR A SELF-CONTAINED BREATHING APPARATUS.

VENTILATION: GENERAL MECHANICAL VENTILATION OR LOCAL EXHAUST SHOULD BE SUITABLE TO KEEP VAPOR CONCENTRATIONS BELOW THE TLV. VENTILATION EQUIPMENT SHOULD BE EXPLOSION PROOF.

PROTECTIVE GLOVES: IMPERMEABLE CHEMICAL HANDLING GLOVES FOR SKIN PROTECTION.

EYE PROTECTION: USE CHEMICAL SAFETY GLASSES, GOGGLES, OR FACE SHIELDS FOR PROTECTION. EYE WASH STATIONS SHOULD BE IN WORKING AREAS.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: USE IMPERMEABLE CLOTHING WHENEVER POSSIBLE TO PREVENT SKIN CONTACT. SAFETY SHOWERS AND EYE BATHS SHOULD BE IN WORKING AREA.

WORK/HYGIENIC PRACTICES: HANDLE ALL CHEMICALS WITH CAUTION AND CARE.

===== SECTION IX - REGULATORY INFORMATION =====

TOXIC SUBSTANCES CONTROL ACT (TSCA): ALL COMPONENTS OF THIS PRODUCT ARE ON THE PUBLIC INVENTORY AND THEREFORE ARE IN COMPLIANCE WITH THIS LEGISLATION.

SARA TITLE III: SECTION 313: THIS PRODUCT DOES NOT CONTAIN ANY TOXIC CHEMICALS SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF TITLE III OF THE SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986 (SARA) AND 40 CFR PART 372.

CERCLA (COMPREHENSIVE EMERGENCY RESPONSE, COMPENSATION, AND LIABILITY ACT OF 1980):
40 CFR PART 302, TABLE 302.4

REPORTABLE QUANTITY = 5000 LBS. (ACETONE).

DOT LABEL REQUIREMENT: ADHESIVES (FLAMMABLE), CLASS 3, UN1133, PG III

===== SECTION X - DISCLAIMER =====

DISCLAIMER: THE DATA SET FORTH IN THESE SHEETS ARE BASED ON INFORMATION PROVIDED BY THE SUPPLIERS OF THE RAW MATERIALS AND CHEMICALS USED IN THE MANUFACTURE OF THE AFOREMENTIONED PRODUCT. WORTHEN INDUSTRIES MAKES NO WARRANTY WITH RESPECT TO THE ACCURACY OF THE INFORMATION PROVIDED BY THEIR SUPPLIERS, AND DISCLAIMS ALL LIABILITY OF RELIANCE THEREON.

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