

MSDS  
ORDER NO:                      RELEASE NO:                      MSDS NO:

B A R N E S       D I S T R I B U T I O N

Synonyms: 21990 21991  
PACER(R\*)  
TECHNOLOGY

MATERIAL SAFETY DATA SHEET

MSDS NO: FSA ADHESIVE - BARNES

REVISION NO: 2

DATE ISSUED: 05/27/2010

DATE-REVISED: 05/27/2010

-----1. PRODUCT AND COMPANY IDENTIFICATION -----

PRODUCT DESCRIPTION: RX-100 ADHESIVE

PRODUCT CODE: ETHYL CYANOACRYLATE

MANUFACTURER:  
PACER TECHNOLOGY  
9420 SANTA ANITA AVENUE  
RANCHO CUCAMONGA, CA 91730-6117

EMERGENCY CONTACT: CHEMTREC

PRODUCT STEWARDSHIP: 800-424-9300

ALTERNATE EMERGENCY PHONE: 703-527-3887

SERVICE NUMBER: 909-987-0550

ALTERNATE CUSTOMER SERVICE: 800-538-3091

-----2. HAZARDS IDENTIFICATION -----

HAZARD DESIGNATION:  
"Xi" - IRRITANT

EMERGENCY OVERVIEW:  
PHYSICAL APPEARANCE: CLEAR, COLORLESS LIQUID

IMMEDIATE CONCERNS:  
R36/37/38: IRRITATING TO EYES, RESPIRATORY SYSTEM AND SKIN.

POTENTIAL HEALTH EFFECTS:

EYES:  
R36: IRRITATING TO EYES.

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SKIN: MAY CAUSE SKIN IRRITATION. ALLERGIC REACTIONS ARE POSSIBLE.

INGESTION:  
ADHESIVE BECOMES SOLID IN CONTACT WITH SALIVA AND MAY ADHERE TO INSIDE OF MOUTH. SALIVA WILL LIFT ADHESIVE IN 1-2 DAYS. NOT A TOXIC PRODUCT.

INHALATION:  
R37: IRRITATING TO RESPIRATORY SYSTEM.

SIGNS AND SYMPTOMS OF OVEREXPOSURE:

EYES: CAUSES EYE IRRITATION.

SKIN: SUBSTANCE CAUSES MODERATE SKIN IRRITATION.

SKIN ABSORPTION:  
ADHESIVE BECOMES SOLID IN CONTACT WITH SALIVA AND MAY ADHERE TO INSIDE OF MOUTH. SALIVA WILL LIFT ADHESIVE IN 1-2 DAYS. NOT A TOXIC PRODUCT.

INGESTION:  
WASH WITH SOAP AND WATER. GET MEDICAL ATTENTION IF IRRITATION DEVELOPS OR PERSISTS.

INHALATION:  
PROLONGED OR EXCESSIVE INHALATION MAY CAUSE RESPIRATORY TRACT IRRITATION.

ACUTE TOXICITY: AVOID EXPOSURE TO VAPOR CONCENTRATION IN CONFINED AREAS.

CHRONIC EFFECTS:  
FREQUENT OR PROLONGED CONTACT MAY IRRITATE THE SKIN AND CAUSE A SKIN RASH (DERMATITIS).

MEDICAL CONDITIONS AGGRAVATED: NOT A LIKELY ROUTE OF EXPOSURE.

ROUTES OF ENTRY: INHALATION & INGESTION ARE MAJOR ROUTES OF ENTRY.

CANCER STATEMENT: NOT APPLICABLE.

IRRITANCY: IRRITATING TO EYES, RESPIRATORY SYSTEM AND SKIN.

SENSITIZATION: MAY CAUSE ALLERGIC SKIN REACTION.

-----3. COMPOSITION / INFORMATION ON INGREDIENTS -----

CHEMICAL NAME	WT. %	CAS	EINECS	CLASSIFICATION
ETHYL-2-CYANOACRYLATE	60-100	7085-85-0	230-391-5	Xi; R36/37/38
POLYMETHYL METHACRYLATE	10-30	9011-14-7	XXX-XXX-X	Xi; R36/37/38
HYDROQUINONE	0.5	123-31-9	204-617-8	Xn, N; R22, R40, R41, R43, R50, R68

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(FULL TEXT OF R-PHRASES CAN BE FOUND UNDER HEADING 16)

-----4. FIRST AID MEASURES -----

EYES:  
IMMEDIATELY FLUSH EYES WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. GET IMMEDIATE MEDICAL ATTENTION.

SKIN: WASH WITH SOAP AND WATER. PEEL OR ROLL SKIN APART.

INGESTION:  
PEEL OR ROLL SKIN APART. ADHESIVE BECOMES SOLID IN CONTACT WITH SALIVA AND MAY ADHERE TO INSIDE OF MOUTH. SALIVA WILL LIFT ADHESIVE IN 1-2 DAYS. AVOID SWALLOWING SOLID ADHESIVE AFTER DETACHMENT. NOT A TOXIC PRODUCT.

INHALATION:  
REMOVE TO FRESH AIR. PROLONGED OR REPEATED ELEVATED EXPOSURE MAY CAUSE ALLERGIC REACTIONS WITH ASTHMA LIKE SYMPTOMS IN SENSITIVE INDIVIDUALS.

-----5. FIRE FIGHTING MEASURES -----

FLASHPOINT AND METHOD: 85 DEG. C (185 DEG. F) CC - CLOSED CUP

GENERAL HAZARD:  
COMBUSTIBLE LIQUID AND VAPOR. PRODUCT POLYMERIZED TO SOLID BY WATER.

EXTINGUISHING MEDIA:  
USE DRY CHEMICAL EXTINGUISHER OR FLUSH WITH LARGE AMOUNTS OF WATER.

FIRE FIGHTING EQUIPMENT:  
AS IN ANY FIRE, WEAR SELF-CONTAINED BREATHING APPARATUS PRESSURE-DEMAND, (MSHA/NIOSH APPROVED OR EQUIVALENT) AND FULL PROTECTIVE GEAR.

HAZARDOUS DECOMPOSITION PRODUCTS:  
COMBUSTIBLE BY-PRODUCTS OF CARBON MONOXIDE/DIOXIDE.

-----6. ACCIDENTAL RELEASE MEASURES -----

SMALL SPILL:  
POLYMERIZE WITH WATER. SOLID MATERIAL MAY BE SCRAPED FROM SURFACE.

LARGE SPILL:  
POLYMERIZE WITH WATER. INCREASE VENTILATION TO AREA. SOLID MATERIAL MAY BE SCRAPED FROM SURFACE.

ENVIRONMENTAL PRECAUTIONS:  
WATER SPILL: NONE KNOWN.

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-----7. HANDLING AND STORAGE -----

GENERAL PROCEDURES:

USE WITH ADEQUATE VENTILATION. AVOID CONTACT WITH EYES, SKIN AND CLOTHING.

HANDLING:

AVOID BREATHING (DUST, VAPOR, MIST, GAS). AVOID CONTACT WITH SKIN, EYES AND CLOTHING. KEEP CONTAINER CLOSED WHEN NOT IN USE.

STORAGE:

STORE IN A COOL PLACE IN ORIGINAL CONTAINER AND PROTECT FROM SUNLIGHT. KEEP AWAY FROM SOURCES OF IGNITION.

STORAGE TEMPERATURE:

IDEAL STORAGE: 41-50F (5-10C)

SHELF LIFE:

ONE YEAR FROM THE DATE OF SHIPMENT FROM PACER TECHNOLOGY, EXCEPT FOR PACER NO-ODOR PRODUCT WHOSE SHELF LIFE IS 6 MONTHS, ONLY.

-----8. EXPOSURE CONTROLS / PERSONAL PROTECTION -----

ENGINEERING CONTROLS:

USE ONLY IN A WELL VENTILATED AREA. LOCAL EXHAUST VENTILATION MAY BE NECESSARY TO CONTROL ANY AIR CONTAMINANTS TO WITHIN THEIR TLVS DURING THE USE OF THIS PRODUCT.

PERSONAL PROTECTIVE EQUIPMENT:

EYES AND FACE:

FOR NORMAL CONDITIONS, WEAR SAFETY GLASSES. WHERE THERE IS REASONABLE PROBABILITY OF LIQUID CONTACT, WEAR SPLASH-PROOF GOGGLES.

SKIN:

S36/37: WEAR SUITABLE PROTECTIVE CLOTHING AND GLOVES.

RESPIRATORY:

USE ONLY IN A WELL-VENTILATED AREA. IN CASE OF INSUFFICIENT VENTILATION, WEAR SUITABLE RESPIRATORY EQUIPMENT.

WORK HYGIENIC PRACTICES:

AVOID CONTACT WITH SKIN AND EYES. WASH THOROUGHLY AFTER HANDLING. AVOID CONTACT WITH CLOTHING AS CONTACT CAN CAUSE BURN.

OTHER USE PRECAUTIONS:

FACILITIES STORING OR UTILIZING THIS MATERIAL SHOULD BE EQUIPPED WITH AN EYEWASH FACILITY AND A SAFETY SHOWER.

-----9. PHYSICAL AND CHEMICAL PROPERTIES -----

PHYSICAL STATE: LIQUID

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ODOR: CHARACTERISTIC ODOR, INTENSELY IRRITATING.

APPEARANCE: TRANSPARENT, COLORLESS LIQUID.

PERCENT VOLATILE: <20 G/L

VAPOR PRESSURE: 1 MMHg @ 20C

VAPOR DENSITY: NOT ESTABLISHED

BOILING POINT: 185 DEG. C (365 DEG. F)

FLASHPOINT AND METHOD: 85 DEG. C (185 DEG. F) CC - CLOSED CUP

SOLUBILITY IN WATER: INSOLUBLE

EVAPORATION RATE: NOT ESTABLISHED

SPECIFIC GRAVITY: 1.060

VISCOSITY #1: 80 TO 120 CENTIPOISE AT 22 DEG. C (72 DEG. F)

(VOC): <20,000 G/L

-----10. STABILITY AND REACTIVITY -----

STABLE: YES

HAZARDOUS POLYMERIZATION: NO

CONDITIONS TO AVOID:  
AVOID TEMPERATURES ABOVE 176 DEG. F (80 DEG. C), MOISTURE AND ALKALINES.

HAZARDOUS DECOMPOSITION PRODUCTS:  
CARBON DIOXIDE, CARBON MONOXIDE AND OTHER TOXIC OR IRRITATING COMPOUNDS MAY  
FORM WHEN HEATED TO DECOMPOSITION. OXIDES OF NITROGEN AND PROBABLY HYDROGEN  
CYANIDE ARE ALSO POSSIBLE.

INCOMPATIBLE MATERIALS:  
POLYMERIZED BY WATER, ALCOHOL, AMINES, ALKALINE MATERIALS AND DIRECT UV.

-----11. TOXICOLOGICAL INFORMATION -----

ACUTE:

ORAL LD50: ORAL LD50 = GREATER THAN 5000 MG/KG (ESTIMATED)

INHALATION LC50: VAPORS MAY BE IRRITATING.

RECOMMENDED TWA: 0.2 PPM.

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EYE EFFECTS: BONDS SKIN AND EYES IN SECONDS. EYE IRRITANT.

SKIN EFFECTS:  
IRRITATING TO SKIN. MAY CAUSE ALLERGIC SKIN REACTION WITH PROLONGED CONTACT.

SENSITIZATION: POSSIBLE SKIN SENSITIZER.

-----12. ECOLOGICAL INFORMATION -----

GENERAL COMMENTS: NONE KNOWN.

-----13. DISPOSAL CONSIDERATIONS -----

DISPOSAL METHOD:  
POLYMERIZE WITH WATER TO A SOLID MATERIAL. DISPOSE OF AS SOLID WASTE OR TRASH  
IN ACCORDANCE WITH LOCAL GOVERNMENT REGULATIONS OF THE REGION.

-----14. TRANSPORT INFORMATION -----

DOT (DEPARTMENT OF TRANSPORTATION):  
PROPER SHIPPING NAME: NOT RESTRICTED

ROAD AND RAIL (ADR/RID):  
PROPER SHIPPING NAME: NOT RESTRICTED

AIR (ICAO/IATA):  
SHIPPING NAME: NOT RESTRICTED

VESSEL (IMO/IMDG):  
SHIPPING NAME: NOT RESTRICTED

CANADA TRANSPORT OF DANGEROUS GOODS:  
SHIPPING NAME: NOT RESTRICTED

-----15. REGULATORY INFORMATION -----

UNITED STATES:

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT):

EPCRA SECTION 313 SUPPLIER NOTIFICATION:

CHEMICAL NAME	WT. %	CAS
HYDROQUINONE	0.5	123-31-9

TSCA (TOXIC SUBSTANCE CONTROL ACT):  
TSCA STATUS: ALL INGREDIENTS IN THIS MIXTURE ARE IN COMPLIANCE WITH TSCA.

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CALIFORNIA PROPOSITION 65: NOT APPLICABLE.

CANADA:

WHMIS HAZARD SYMBOL AND CLASSIFICATION:  
COMBUSTIBLE LIQUID  
TOXIC

EUROPEAN COMMUNITY:

EEC LABEL SYMBOL AND CLASSIFICATION:  
"Xi" - IRRITANT: IRRITANT

-----16. OTHER INFORMATION -----

RELEVANT R-PHRASES:  
R36/37/38: IRRITATING TO EYES, RESPIRATORY SYSTEM AND SKIN.  
R22: HARMFUL IF SWALLOWED.  
R40: POSSIBLE RISKS OF IRREVERSIBLE EFFECTS.  
R41: RISK OF SERIOUS DAMAGE TO EYES.  
R43: MAY CAUSE SENSITIZATION BY SKIN CONTACT.  
R50: VERY TOXIC TO AQUATIC ORGANISMS.  
R68: POSSIBLE RISK OF IRREVERSIBLE EFFECTS.

APPROVED BY: MARY ROBLES

TITLE: REGULATORY AFFAIRS MANAGER

PREPARED BY: MARY ROBLES

REVISION SUMMARY:

REVISION #: 2.

THIS MSDS REPLACES THE MAY 27, 2010 MSDS. ANY CHANGES IN INFORMATION ARE AS  
FOLLOWS:  
IN SECTION 1: PREPARED BY, DATE PREPARED

HMIS RATING:  
HEALTH                      1  
FLAMMABILITY               2  
PHYSICAL HAZARD            1  
PERSONAL PROTECTION

NFPA CODES:

1  
2  
1

MANUFACTURER DISCLAIMER:  
TO THE BEST OF OUR KNOWLEDGE, THE INFORMATION CONTAINED HEREIN IS ACCURATE.

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