



Safety Data Sheet

Barnes Easycast® Clear Part A &B

Version: 1.0 (AUS)

Date of print: 30.03.2007

Date of last alteration: 30.03.07

CLASSIFIED AS HAZARDOUS ACCORDING TO THE CRITERIA OF NOHSC

SECTION I

SUPPLIER: BARNES PRODUCTS PTY LIMITED
ADDRESS: 6 HOMEDALE ROAD, BANKSTOWN NSW 2200
EMERGENCY TELEPHONE #: +612 9793 7555
CHEMICAL NAME AND SYNONYMS: POLYURETHANE PREPOLYMER
TRADE NAME AND SYNONYMS: Easycast® Clear Part A

SECTION II HAZARDOUS INGREDIENTS

DICYCLOHEXYLMETHANE -4,4'-DIISOCYANATE CAS# 5124-30-1 70-90%
OTHER INGREDIENTS ARE TRADE SECRET, BUT ARE NON-HAZARDOUS SUBSTANCES.

SECTION III PHYSICAL DATA

PERCENT VOLATILE BY VOLUME (%) NIL
VAPOR DENSITY (AIR=1): 25 DEG C,G/CC: 1.07.
SOLUBILITY IN WATER: NIL - REACTS SLOWLY
APPEARANCE AND ODOR: CLEAR LIQUID SLIGHT ODOR

SECTION IV

FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (METHOD USED): GREATER THAN 295 DEGREES F, TAG OPEN CUP
EXTINGUISHING MEDIA: WATER FOG, FOAM, CO2 DRY CHEMICAL
SPECIAL FIRE FIGHTING PROCEDURES: AVOID BREATHING COMBUSTION PRODUCTS WEAR SCBA
UNUSUAL FIRE AND EXPLOSION HAZARDS: TOXIC GASSES MAY BE GENERATED BY THERMAL DECOMPOSITION OR COMBUSTION. CLOSED CONTAINER MAY EXPLODE WHEN EXPOSED TO EXTREME HEAT OR BURST WHEN CONTAMINATED WITH WATER DUE TO CO2 EVOLVED.

SECTION V HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE: STABLE
EFFECTS OF OVEREXPOSURE: STRONG IRRITANT AND SENSITIZER. CAN CAUSE DERMATITIS AND INSOMNIA.
EMERGENCY AND FIRST AID PROCEDURES: **SKIN:** WIPE OFF. WASH WITH RUBBING ALCOHOL OR WATERLESS HANDCLEANER FOLLOWED BY SOAP AND WATER.
EYES: FLUSH WITH PLENTY OF WATER. GET MEDICAL ATTENTION
INHALATION: REMOVE TO FRESH AIR TREAT SYMPTOMATICALLY.

STABILITY: STABLE

INCOMPATIBILITY (MATERIALS TO AVOID): WATER, AMINES, ALCOHOLS, STRONG BASES, METAL COMPOUNDS AND SURFACE ACTIVE MATERIALS.

HAZARDOUS DECOMPOSITION PRODUCTS: CARBON DIOXIDE, CARBON MONOXIDE, OXIDES OF NITROGEN, TRACES OF HYDROGEN CYANIDE, DICYCLOHEXYLMETHANE -4,4'-DIISOCYANATE

HAZARDOUS POLYMERIZATION: MAY OCCUR, CONTACT WITH MOISTURE OR OTHER MATERIALS WHICH REACT WITH ISOCYANATES MAY CAUSE POLYMERIZATION.



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SECTION VII SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: SCRAPE AND SOAK UP ON ABSORBENT MATERIAL. NEUTRALIZE WITH HOUSEHOLD AMMONIA, CLEAN UP WITH STRONG LIQUID CLEANER OR SOAP AND WATER BEFORE MATERIAL REACTS WITH MOISTURE IN THE AIR TO FORM A DIFFICULT TO REMOVE RUBBER. DO NOT SEAL CONTAMINATED CONTAINERS AS CARBON DIOXIDE IS GENERATED UPON CONTACT WITH MOISTURE AND DANGEROUS PRESSURE BUILDUP COULD OCCUR.

WASTE DISPOSAL METHOD: NEUTRALIZED OR MOISTURE CURED MATERIAL IS NON-HAZARDOUS. DISPOSE OF PER LOCAL REGULATIONS.

SECTION VIII SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (SPECIFY TYPE): IN THE ABSENCE OF GOOD VENTILATION UNDER EMERGENCY SITUATION OR FOR HIGH CONCENTRATIONS. SELF-CONTAINED OR AIR SUPPLIED RESPIRATORY PROTECTION IS RECOMMENDED. RESPIRATORS SHOULD BE EQUIPPED WITH ORGANIC VAPOR CARTRIDGES.

VENTILATION: MECHANICAL VENTILATION IS RECOMMENDED IF PRODUCT IS USED IN A CONFINED AREA OR IS SPRAYED OR HEATED.

PROTECTIVE GLOVES: RUBBER GLOVES

EYE PROTECTION: YES

SECTION IX SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: STORE IN TIGHTLY CLOSED CONTAINERS TO PREVENT MOISTURE CONTAMINATION. DO NOT RESEAL CONTAINERS IF CONTAMINATION IS SUSPECTED. AT MAXIMUM STORAGE TEMPERATURES NOTED, MATERIAL MAY SLOWLY POLYMERIZE WITHOUT HAZARD. IDEAL STORAGE TEMPERATURE RANGE IS 68-81F. AVOID CONTACT WITH SKIN AND EYES. MAINTAIN WORK AREA BELOW PEL. USE WITH ADEQUATE AIR CIRCULATION TO AVOID VAPOR CONCENTRATION.

TSCA Status : Listed

CERCL: Reportable Quantity : None

SARA Title III : This product is Hazardous under the criteria of the Federal OSHA Hazard Communications, Standard 29 CFR 1910.1200.

CALIFORNIA PROP : Listed

HMIS : Health:2, Flammability : 1, Reactivity: 0

DOT CLASIFACATION: Toxic Liquid, Organic, N.O.S., CL: 6.1, UN2810 : United Nations recommendations for the Transport of Dangerous Goods and 49 CFR Part 171



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MANUFACTURER: BARNES PRODUCTS PTY LIMITED.

ADDRESS: 6 HOMEDALE ROAD, BANKSTOWN NSW 2200

EMERGENCY TELEPHONE#: +612 9793 7555

CHEMICAL NAME AND SYNONYMS: POLYETHER TSCA Status : Listed

CERCL: Reportable Quantity : None

SARA Title III : This product is Hazardous under the criteria of the Federal OSHA Hazard Communications, Standard 29 CFR 1910.1200.

CALIFORNIA PROP : Listed , Traces of Mercury and Toluene

HMS : Health:2, Flammability : 1, Reactivity: 0

DOT CLASIFACATION: None Hazardous : United Nations recommendations for the Transport of Dangerous Goods and 49 CFR Part 171

POLYOL

TRADE NAME: Easycast® Clear Part B

SECTION II HAZARDOUS INGREDIENTS

POLYURETHANE POLYOL MIXTURE 100%

CAS# PROPRIETARY

LESS THAN 0.04% MERCURY AS METAL

SECTION III PHYSICAL DATA

PERCENT VOLATILE BY VOLUME: NIL

SOLUBILITY IN WATER: SLIGHT

VAPOR DENSITY (AIR=): POLY-OPTIC 1410 - 1.06. POLY-OPTIC 1420-1.02.

APPEARANCE & ODOR: WATER CLEAR TO SLIGHTLY YELLOW CLEAR LIQUID

SECTION IV

FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (METHOD USED): ABOVE 200 DEGREES F TOC

EXTINGUISHING MEDIA: WATER FOG, FOAM, CO2, DRY CHEMICAL

SPECIAL FIRE FIGHTING PROCEDURES: AVOID BREATHING COMBUSTION PRODUCTS. WEAR SCBA

UNUSUAL FIRE AND EXPLOSION HAZARDS: EXPOSURE TO HEAT BUILDS UP PRESSURE ENCLOSED CONTAINERS. COOL WITH WATER SPRAY.

SECTION V HEALTH HAZARD DATA

EFFECTS OF OVEREXPOSURE: SKIN AND EYE IRRITATION. MERCURY IS TOXIC IF INGESTED OR ABSORBED THROUGH SKIN. A COMPONENT IN POLY-OPTIC 1420 MAY CAUSE BIRTH DEFECTS BASED ON LABORATORY STUDIES.

SKIN CONTACT: REMOVE WITH RUBBING ALCOHOL OR WATERLESS HAND CLEANER THEN SOAP AND WATER.

EYE CONTACT: FLUSH WITH PLENTY OF WATER, SEE A PHYSICIAN.



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SECTION VI REACTIVITY DATA

STABILITY: STABLE

HAZARDOUS DECOMPOSITION PRODUCTS: NOX, CO, HG VAPOR.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

CONDITIONS TO AVOID: NONE

SECTION VII SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

SOAK UP ON ABSORBENT MATERIAL. WASH WITH SOAP AND WATER.

WASTE DISPOSAL: WASTE CONTAINING MERCURY MAY BE HAZARDOUS. DISPOSE OF IN ACCORDANCE WITH LOCAL REGULATIONS.

SECTION VIII

SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (SPECIFY TYPE): NOT USUALLY NEEDED

VENTILATION: GOOD VENTILATION IS RECOMMENDED

PROTECTIVE GLOVES: IMPERVIOUS GLOVES

EYE PROTECTION: GOGGLES

SECTION IX SPECIAL PRECAUTION

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: AVOID SKIN AND EYE CONTACT. KEEP CONTAINERS TIGHTLY CLOSED.

TSCA Status : Listed

CERCL: Reportable Quantity : None

SARA Title III : None Hazardous under the criteria of the Federal OSHA Hazard Communications, Standard 29 CFR 1910.1200.

CALIFORNIA PROP : Listed , Traces of Mercury and Toluene

HMIS : Health:2, Flammability : 1, Reactivity: 0 , PPE: C

DOT CLASIFACATION: Not Regulated : United Nations recommendations for the Transport of Dangerous Goods and 49 CFR Part 171