

LOCTITE CORPORATION -- QUICK SET (TM) 404 INSTANT ADHESIVE, 46551

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MSDS Safety Information
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FSC: 8040
NIIN: 01-315-1759
MSDS Date: 09/08/1998
MSDS Num: CJHTR
Product ID: QUICK SET (TM) 404 INSTANT ADHESIVE, 46551
MFN: 02
Responsible Party
Cage: 05972
Name: LOCTITE CORPORATION
Address: 1001 TROUT BROOK CROSSIN
G
City: ROCKY HILL CT 06067-3910
Info Phone Number: 800-243-4874
Emergency Phone Number: 860-571-5100
Resp. Party Other MSDS No.: REVISION: 0029; FAX: 860-571-5465
Preparer's Name: STEPHEN REPETTO
Review Ind: Y
Published: Y

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Contractor Summary
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Cage: 05972
Name: LOCTITE CORPORATION
Address: 1001 TROUT BROOK CROSSING
City: ROCKY HILL CT 06067-3910
Phone: 860-571-5100

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Item Description Information
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Item Manager: N35
Item Name: ADHESIVE
Unit of Issue: EA
UI Container Qty: 1

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Ingredients
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Cas: 7085-85-0
RTECS #: UD3330000
Name: ETHYL CYANOACRYLATE
% low Wt: 90.
% high Wt: 95.
Other REC Limits: N/K (FP N)
OSHA PEL: N/K (FP N)
OSHA STEL: N/K (FP N)
ACGIH TLV: 0.2 P

PM
ACGIH STEL: N/K (FP N)

Cas: 9011-14-7
RTECS #: TR0400000
Name: POLYMETHYL METHACRYLATE; (POLY (METHYL METHACRYLATE))
% low Wt: 5.
% high Wt: 10.
Other REC Limits: N/K (FP N)
OSHA PEL: N/K (FP N)
OSHA STEL: N/K (FP N)
ACGIH TLV: N/K (FP N)
ACGIH STEL: N/K (FP N)

Cas: 123-31-9
RTECS #: MX3500000
Name: HYDROQUINONE
% low Wt: .1
% high Wt: 1.
Other REC Limits: N/K (FP N)
OSHA PEL: 2 MG/M3
OSHA STEL: N/K (FP N)
ACGIH TLV: 2 MG/M3
ACGIH
STEL: N/K (FP N)
EPA Rpt Qty: 1 LB
DOT Rpt Qty: 1 LB

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Health Hazards Data
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LD50 LC50 Mixture: SEE TOXICOLOGICAL INFORMATION.
Route Of Entry Inds - Inhalation: NO
Skin: NO
Ingestion: NO
Carcinogenicity Inds - NTP: NO
IARC: NO
OSHA: NO
Effects of Exposure: SKIN CONTACT MAY CAUSE BURNS. BONDS SKIN RAPIDLY AND STRONGLY. SKIN AND EYE IRRITANT.
Signs And Symptions Of Overexposure: VAPOR IS

IRRITATING TO EYES AND MUCOUS

MEMBRANES ABOVE TLV. PROLONGED AND REPEATED OVEREXPOSURE TO VAPORS MAY PRODUCE SYMPTOMS OF NON-ALLERGIC ASTHMA IN SENSITIVE INDIVIDUALS.

Medical Cond Aggravated By Exposure: NONE KNOWN.

First Aid: CYANOACRYLATE ADHESIVE IS A VERY FAST SETTING & STRONG ADHESIVE. IT BONDS HUMAN TISS INCL SKIN IN SECS. EXPERIENCE HAS SHOWN THAT ACCIDENTS DUE TO CYANOACRYLATES ARE HANDLED BEST BY PASSIVE, NONSURGIC AL FIRST AID. TREATMENT OF SPECIFIC TYPES OF ACCIDENTS ARE

GIVEN BELOW. INGEST: NOT LIKELY.

IF LIPS ARE ACCIDENTALLY STUCK TOGETHER, APPLY LOTS OF WARM WATER TO LIPS & ENCOURAGE MAX WETTING & PRESS FR OM SALIVA INSIDE MOUTH. PEEL/ROLL LIPS APART. DO NOT TRY TO PULL LIPS W/DIRECT OPPOSING ACTION. IT IS ALMOST IMPOSS TO SWALLOW CYANOACRYLATE. ADHESIVE SOLIDIFIES & ADHERES IN MOUTH. (SUP DAT)

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Handling and Disposal
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Spill Re

lease Procedures: FLOOD WITH WATER TO POLYMERIZE COMPLETELY. SOAK UP WITH AN INERT ABSORBENT.

Waste Disposal Methods: POLYMERIZE AS ABOVE. INCINERATE IN ACCORDANCE WITH EPA AND LOCAL REGULATIONS. EPA HAZARDOUS WASTE NUMBER: NH - NOT A RCRA HAZARDOUS WASTE MATERIAL. DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE, AND FEDE RAL REGULATIONS (FP N).

Handling And Storage Precautions: STORE AT OR BELOW 75F. CONTACT LOCTITE CUSTOMER HANDLING SERVICE 1-800-243-4874 FOR SHELF LIFE INFORMATION. AVOID

CONTACT WITH SKIN AND EYES. AVOID BREATHING VAPOR.

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Fire and Explosion Hazard Information
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Flash Point Method: TCC

Flash Point: >65.6C, 150.F

Flash Point Text: 150F-200F

Extinguishing Media: CARBON DIOXIDE, FOAM, DRY CHEMICAL.

Fire Fighting Procedures: WEAR NIOSH APPROVED SCBA AND FULL PROTECTIVE EQUIPMENT (FP N).

Unusual Fire/Explosion Hazard: NONE. HAZARDOUS PRODUCTS FORMED BY FIRE OR

THERMAL DECOMPOSITION: IRRITATING ORGANIC VAPORS.

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Control Measures
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Respiratory Protection: NOT AVAILABLE. USE NIOSH APPROVED RESPIRATOR APPROPRIATE FOR EXPOSURE OF CONCERN (FP N).

Ventilation: POSITIVE DOWN-DRAFT EXHAUST VENTILATION SHOULD BE PROVIDED TO MAINTAIN VAPOR CONCENTRATION BELOW TLV.

Protective Gloves: NITRILE OR POLYETHYLENE GLOVES. DO NOT USE COTTON.

Eye Pro

tection: ANSI APPROVED CHEMICAL WORKERS GOGGLES (FP N).
Other Protective Equipment: ANSI APPROVED EMERGENCY EYEWASH AND DELUGE SHOWER (FP N). NITRILE OR POLYETHYLENE APRONS. DO NOT USE COTTON.
Supplemental Safety and Health: FIRST AID PROC: SALIVA WILL LIFT ADHESIVE IN ONE HALF TO TWO DAYS. IN CASE LUMP FORMS IN MOUTH, POSITION PATIENT TO PVNT INGEST OF LUMP WHEN IT DETACHES. INHAL: REMOVE TO FRESH AIR. IF SYMPS PERSIST, OBTAIN MED ATTN. SKIN: REMOVE EXCESS ADHESIVE. SOAK IN WARM SOAPY WATER. (OTHER INFO)

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Physical/Chemical Properties
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Boiling Point: >148.9C, 300.F
Vapor Pres: <0.2 MM
Vapor Density: APPROX 3
Spec Gravity: 1.09 @ 75F
Solubility in Water: POLYMERIZED BY WATER
Appearance and Odor: CLEAR LIQUID WITH PUNGENT ODOR.

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Reactivity Data
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Stability Indicator: YES
Stability Condition To Avoid: NOT AVAILABLE.
Materials To Avoid: POLYMERIZED BY CONTACT WITH WATER, ALCOHOLS, AMINES, ALKALIES.
Hazardous Decomposition Products: NONE.
Hazardous Polymerization Indicator: NO

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Toxicological Information
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Toxicological Information: ESTIMATED ORAL LD50: >5000 MG/KG. ESTIMATED DERMAL LD50: >2000 MG/KG.

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Ecological Information
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Ecological: NO DATA AVAIL. OTHER INFO: & STRONG, IRRITATING VAPS. WEAR NITRILE/POLYETHYLENE GLOVES & APRON WHEN HNDLG LGE AMTS OF ADHESIVE. SKIN ADHESION: FIRST IMMERSER BOND SURFS IN WARM, SOAPY WATER. PEEL/ROLL SURFS APART W/AID OF BLUNT EDGE, E.G. SPATULA/TEASPOON HANDLE; THEN REMOVE ADHESIVE FROM SKIN W/SOAP & WATER. DO NOT TRY TO PULL SURFS APART W/DIRECT OPPOSIN

G ACTION. EYELID TO EYELID/EYEBALL ADHESION: IN EVENT THAT EYELIDS ARE STUCK TOGETHER/BONDED TO EYEBALL, WASH THOROUGHLY W/WARM WATER FOR AT LEAST 15 MINS & APPLY GAUZE PATCH. EYE WILL OPEN W/OUT FURTHER ACTION, TYPICALLY IN 1-4 DAYS. (SARA REG INFO)

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MSDS Transport Information
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Transport Information: DOT (49 CFR 172): DOMESTIC GROUND TRANSPORT: PROPER SHIPPING NAME: UNRESTRICTED

(NOT MORE THAN 450 LITERS), COMBUST LIQS, N.O.S. (CYANOACRYLATE ESTER) (MORE THAN 450 LITERS); HAZ CLASS/DIVISION: UNRESTRICTED (NOT MORE THAN 450 LITERS), COMBUST LIQ (MORE THAN 450 LITERS); IDENTIFICATION #: NONE (NOT MORE THAN 450 LITERS), NA 1993 (MORE THAN 450 LITERS); MARINE POLLUTANT: NONE. IATA: PROPER SHIPPING NAME: UNRESTRICTED (NOT MORE THAN 1 PINT), OTHER REGULATED SUBSTANCES (MORE THAN 1 PINT); CLASS/DIVISION: UNRESTRICTED (NOT MORE THAN 1 PINT), CLASS 9 (MORE THAN

1 PINT); UN/ID #: NONE (NOT MORE THAN 1 PINT), ID 8027 (MORE THAN 1 PINT).

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Regulatory Information
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Sara Title III Information: ECOLOGICAL INFO: THERE WILL BE NO RESIDUAL DMG. DO NOT TRY TO OPEN EYES BY MANIPULATION. ADHESIVE TO EYEBALL: CYANOACRYLATE INTRODUCED INTO EYES WILL ATTACH ITSELF TO EYE PROTEIN & WILL DISASSOCIATE FROM IT OVER INTERMITTENT PERIODS, GEN COVERING SEVERAL HRS.

THIS WILL CAUSE PERIODS OF WEEPING UNTIL CLEARANCE IS ACHIEVED. DURING PERIOD OF CONTAM, DOUBLE VISION MAY BE EXPERIENCED TOGETHER W/LACHRYMATORY EFT, & IT IS IMPORTANT TO UNDERSTAND CAUSE & REALIZE THAT DISASSOCIATION WILL NORMALLY OCCUR W/IN A MATTER OF HRS, EVEN W/GROSS CONTAM. (FED REG INFO)

Federal Regulatory Information: SARA REG INFO: BURNS: CYANOACRYLATES GIVE OFF HEAT ON SOLIDIFICATION. IN RARE CASES A LARGE DROP WILL INCREASE IN TEMPERATURE ENOUGH TO CAUSE A BURN. BURNS SHOULD BE TREATED NORMALLY AFTER THE LUMP OR CYANOACRYLATE IS RELEASED FROM THE TISSUE AS DESCRIBED ABOVE.

SURGERY: IT SHOULD NEVER BE NECESSARY TO USE SUCH A DRASTIC METHOD TO SEPARATE ACCIDENTALLY BONDED SKIN.

State Regulatory Information: CA PROPOSITION 65: NOT AVAILABLE.

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Other Information
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Other Information: VOC (EPA METH 24): 93.0%; 1013.7 G/L. ESTIMATED

NFPA(R)

CODE: HLTH HAZ/FIRE HAZ: 2; REACTIVITY HAZ: 1; SPECIFIC HAZ: N/A. ESTIMATED

(R) CODE: HLTH HAZ/FIRE HAZ:2; REACTIVITY HAZ: 1; PERS PROT: SEE CTL

MEASURES SECTION. NFPA IS A REGISTERED TRADEMARK OF NATL FIRE PROT ASSN. IS

A REGISTERED TRADEMARK OF NATL PAINT & COATINGS ASSN. SUP DAT: ADHESIVE

WILL COME LOOSE FROM SKIN IN SEVERAL HRS. CURED ADHESIVE DOES NOT PRESENT

HLTH HAZ EVEN WHEN BONDED TO SKIN. AVOID CONTW/CLOTHES, FABRICS, RAGS/TISS.

CONT W/THESE MATLS MAY CAUSE

POLYM. POLYM OF LGE AMTS OF ADHESIVE WILL

GENERATE HEAT CAUSING SMOKE, SKIN BURNS (ECOLOGICAL INFO)

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Transportation Information
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Responsible Party Cage: 05972

Trans ID NO: 146884

Product ID: QUICK SET (TM) 404 INSTANT ADHESIVE, 46551

MSDS Prepared Date: 09/08/1998

Review Date: 08/03/1999

MFN: 2

Multiple KIT Number: 0

Unit Of Issue: EA

Container QTY: 1
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Detail DOT Information
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DOT PSN Code: ZZZ

DOT Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION
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Detail IMO Information
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IMO PSN Code: ZZZ

IMO Proper Shipping Name: NOT REGULATED FOR THIS MODE OF TRANSPORTATION
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Detail IATA Information
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IATA PSN Code: ZZZ

IATA Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION
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Detail AFI Information
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AFI PSN Code: ZZZ

AFI Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION
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HAZCOM Label
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Product ID: QUICK SET (TM) 404 INSTANT ADHESIVE, 46551

Cage: 05972

Company Name: LOCTITE CORPORATION

Street: 1001 TROUT BROOK CROSSING

City: ROCKY HILL CT

Zipcode: 06067-3910

Health Emergency Phone: 860-571-5100

Label Required IND: Y

Date Of Label Review: 07/16/1999

Status Code: A

Origination Code: F

Eye Protection IND: YES

Skin Protection IND: YES

Signal Word: WARNING

Respiratory Protection IND: YES

Health Hazard: Moderate

Contact Hazard: Moderate

Fire Hazard: Moderate

Reactivity Hazard: None

Ha

azard And Precautions: COMBUSTIBLE. ACUTE: SKIN CONTACT MAY CAUSE BURNS. BONDS
SKIN RAPIDLY AND STRONGLY. SKIN AND EYE IRRITANT. VAPOR IS IRRITATING TO EYES
AND MUCOUS MEMBRANES ABOVE TLV. CHRONIC: PROLONGED AND REPEATED OV
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INDIVIDUALS.

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