

LOCTITE CORPORATION -- OUTPUT ACTIVATOR, 17100, PART OF KIT 00241

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MSDS Safety Information
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FSC: 8040
NIIN: 01-279-0982
MSDS Date: 01/26/1999
MSDS Num: CKXDV
Product ID: OUTPUT ACTIVATOR, 17100, PART OF KIT 00241
MFN: 01
Kit Part: Y
Responsible Party
Cage: 05972
Name: LOCTITE CORPORATION
Address: 1001 TROUT B
ROOK CROSSING
City: ROCKY HILL CT 06067-3910
Info Phone Number: 860-571-5100
Emergency Phone Number: (860) 571-5100
Preparer's Name: STEPHEN REPETTO
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: GSA
Item Name: ADHESIVE
Unit of Issue: KT
UI Container Qty: 6

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Ingredients
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Cas: 71-55-6
RTECS #: KJ2975000
Name: ETHANE, 1,1,1-TRICHLORO-
% low Wt: 65.
% high Wt: 70.
Other REC Limits: NONE
OSHA PEL: 1900 MG/M3; 350 PPM
OSHA STEL: 2450 MG/M3; 450 PPM
ACGIH TLV: 1910 MG/M3; 350 PPM
ACGIH STEL: 2460 MG/M3; 450 PPM

EPA Rpt Qty: 1000 LBS
DOT Rpt Qty: 1000 LBS
Ozone Depleting Chemical: 1

Cas: 68411-20-1
Name: ALDEHYDE-ANILINE CONDENSATE
% low Wt: 25.
% high Wt: 30.

Cas: 109-87-5
RTECS #: PA8750000
Name: METHANE, DIMETHOXY-
% low Wt: 1.
% high Wt: 3.
OSHA PEL: 3100 MG/M3;1000 PPM
ACGIH TLV: 3110 MG/M3;1000 PPM

Cas: 67-63-0
RTECS #: NT8050000
Name: ISOPROPYL ALCOHOL
% low Wt: 1.
% high Wt: 3.
Other REC Limits: DUPONT AE
L; 400 PPM
OSHA PEL: 980 MG/M3; 400 PPM
OSHA STEL: 1225 MG/M3; 500 PPM
ACGIH TLV: 983 MG/M3; 400 PPM
ACGIH STEL: 1230 MG/M3; 500 PPM

Cas: 13395-16-9
RTECS #: GL6520000
Name: ORGANOCOPPER COMPOUND
% low Wt: .01
% high Wt: .1
Other REC Limits: 1 MG/M3 DUST (CU)
OSHA PEL: 0.1 MG/M3 FUME (CU)
ACGIH TLV: 0.2 MG/M3 FUME (CU)

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Health Hazards Data
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LD50 LC50 Mixtu

re: LD50 ORAL >2000 MG/KG (ESTIMATED)

Route Of Entry Inds - Inhalation: YES

Skin: YES

Ingestion: YES

Carcinogenicity Inds - NTP: NO

IARC: NO

OSHA: NO

Effects of Exposure: POSSIBLE EYE IRRITANT. PRIMARY ROUTES OF ENTRY:

INHALATION, INGESTION, SKIN & EYE CONTACT. SIGNS AND SYMPTOMS OF EXPOSURE: HEADACHE, NAUSEA, DIZZINESS. NARCOSIS AT HIGH CONCENTRATION.

Explanation Of Carcinogenicity: ETHANE, 1,1,1-TRICHLORO:CAR: NTP - NO, IARC -

N/A, OSHA - NO. ALDEHYDE-ANILINE CONDENSATE: NTP - NO

, IARC - NO, OSHA - NO.

METHANE, DIMETHOXY: NTP - NO, IARC - NO, OSHA - NO. ISOPROPYL ALCOHOL: NTP - NO, IARC - N/A, OSHA - NO. ORGANOCOPPER COMPOUND: NTP - NO, IARC - NO, OSHA - NO.

Medical Cond Aggravated By Exposure: ISOPROPYL ALCOHOL: SKIN, EYE, RESPIRATORY DISORDERS. 1,1,1-TRICHLOROETHANE: LIVER, HEART, SKIN, CENTRAL NERVOUS SYSTEM, EYE, RESPIRATORY DISORDERS; ALCOHOLISM.

First Aid: INGESTION: DO NOT INDUCE VOMITING. KEEP INDIVIDUAL CALM. OBTAIN MEDICAL ATTENTION. INHALATION:

REMOVE TO FRESH AIR. IF SYMPTOMS PERSIST,

OBTAIN MEDICAL ATTENTION. SKIN: WASH WITH SOAP AND WATER. EYE: FLUSH AT LEAST 15 MINUTES WITH WATER. OBTAIN MEDICAL ATTENTION.

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Handling and Disposal

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Spill Release Procedures: ALLOW TO EVAPORATE WITH GOOD VENTILATION. SOAK UP RESIDUE IN AN INERT ABSORBENT. STORE IN A CLOSED CONTAINER UNTIL DISPOSAL.

Waste Disposal Methods: INCINERATE FOL

LOWING EPA AND LOCAL REGULATIONS. EPA

HAZARDOUS WASTE NUMBER: F002 - HAZARDOUS WASTE PER 40CFR 261.31 (A).

Handling And Storage Precautions: STORE BELOW 100 F. CONTACT LOCTITE CUSTOMER SERVICE 1-800-243-4874 FOR SHELF LIFE INFORMATION. AVOID PROLONGED BREATHING OF VAPOR. KEEP AWAY FROM EYES. AVOID PROLONGED SKIN CONTACT.

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Fire and Explosion Hazard Information

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Flash Point Method:

TCC

Flash Point Text: NONE

Lower Limits: 2.0%

Upper Limits: 15%

Extinguishing Media: CARBON DIOXIDE, FOAM, DRY CHEMICAL.

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

Unusual Fire/Explosion Hazard: NONE. EXPLOSIVE LIMITS (% BY VOLUME IN AIR)

LOWER: 7% 1,1,1-TRICHLOROETHANE, 2.0% ISOPROPYL ALCOHOL, 2.2%

DIMETHOXYMETHANE. (% BY VOLUME IN AIR) UPPER: 15% 1,1,1-TRICHLOROETHANE, 12.7% AT 200F ISOPROPYL ALCOHOL, 13.1% DIMETHOXYMETHANE.

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Control Measures
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Respiratory Protection: A NIOSH APPROVED RESPIRATOR APPROPRIATE FOR THE EXPOSURE OF CONCERN (FP N). SEE (INGREDIENTS) SECTION FOR EXPOSURE LIMITS.
Ventilation: PROVIDE ADEQUATE LOCAL VENTILATION TO MAINTAIN VAPOR CONCENTRATION BELOW TLV.
Protective Gloves: RUBBER OR PLASTIC GLOVES.
Eye Protection: ANSI APPROVED CHEMICAL SAFETY GOGGLES (FP N).
Other Protective Equipment: EYEWA
SH AND DELUGE SHOWER MEETING ANSI DESIGN CRITERIA (FP N).

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Physical/Chemical Properties
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Boiling Point: =76.7C, 170.F
B.P. Text: 170 - 180F
Vapor Pres: APPROXIMATELY 100MM @ 70F
Vapor Density: APPROX 4.5
Volatile Org Content %: 23
Spec Gravity: 1.2 @ 75F
PH: DOES NOT APPLY
Evaporation Rate & Reference: NOT AVAILABLE
Solubility in Water: NIL
Appearance and Odor: YELLOW TO BROWN LIQ
UID; SHARP ODOR.

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Reactivity Data
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Stability Indicator: YES
Stability Condition To Avoid: NOT AVAILABLE.
Materials To Avoid: INCOMPATIBILITY: SOLVLENT MAY REACT VIOLENTLY WITH ALUMINUM ON PROLONGED CONTACT.
Hazardous Decomposition Products: NON-THERMAL: CHLOROACETYLENES.
Hazardous Polymerization Indicator: NO

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Toxicological Inform
ation
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Toxicological Information: INGREDIENTS EXPOSURE LIMITS: ORGANOCOPPER COMPOUND: ACGIH (TLV): CU 0.2 MG/M3 FUME, CU 1 MG/M3 DUST. OSHA (PEL): CU 0.1 MG/M3 TWA, CU 1 MG/M3 DUST. TOXICITY: ESTIMATED ORAL LD50 GREATER THAN 2000 MG/KG; ESTIMATED DERMAL LD50 GREATER THAN 2000 MG/KG. LITERATURE REFERENCED TARGET ORGAN AND OTHER HEALTH EFFECTS: ETHANE, 1,1,1-TRICHLORO- : CARDIAC, CENTRAL NERVOUS SYSTEM, IRRITANT, LIVER. ALDEHYDE

- ANILINE CONDENSATE: NO
DATA. METHANE, DIMETHOXY- : CENTRAL NERVOUS SYSTEM, IRRITANT. ISOPROPYL
ALCOHOL: ALLERGEN, BLOOD, CENTRAL NERVOUS SYSTEM, IRRITANT, KIDNEY.
ORGANOCOPPER COMPOUND: BLOOD, IRRITANT, KIDNEY, LIVER.

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Ecological Information
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Ecological: NOT DATA AVAILABLE.
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MSDS Transport Information
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Transport Information: D.O.T (49 CFR 172). DOMESTIC GROUND TRANSPORT, PROPER
SHIPPING NAME: CONSUMER COMMODITY (NOT MORE THAN FOUR LITERS);
1,1,1-TRICHLOROETHANE SOLUTION (MORE THAN FOUR LITERS). HAZARD CLASS OR
DIVISION: O RM-D (NOT MORE THAN FOUR LITERS); DIVISION 6.1, PACKING GROUP III
(MORE THAN FOUR LITERS). IDENTIFICATION NUMBER: NONE (NOT MORE THAN FOUR
LITERS); UN 2831 (MORE THAN FOUR LITERS). MARINE POLLUTANT: 1

,1,1-TRICHLOROETHANE. I
ATA. PROPER SHIPPING NAME: 1,1,1-TRICHLOROETHANE
SOLUTION. CLASS OR DIVISION: CLASS 6.1, PACKING GROUP III. UN OR ID NUMBER:
UN 2831.

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Regulatory Information
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Sara Title III Information: ETHANE, 1,1,1-TRICHLORO- :THIS COMPONENT IS LISTED
AS A SARA SECTION 313 TOXIC CHEMICAL.

State Regulatory Information: CA PROPOSITION 65: NOT AVAILABLE.
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Other Information
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Other Information: NFPA, : HEALTH - 2, FIRE - 1, REACTIVITY - 0. FAX: (860)
571-5465. PRODUCT TYPE: ACTIVATOR. SPECIFIC HAZARD: DOES NOT APPLY.
PHYSICAL AND CHEMICAL PROPERTIES: VOLATILE ORGANIC COMPOUND (EPA METHOD 24):
23.3%; 280 GRAMS PER LITER OF MATERIAL. REVISION DATE: JANUARY 26, 1999.
REVISION: 0030.
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Transportation Information
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Responsible Party Cage: 05972
Trans ID NO: 155791
Product ID: OUTPUT ACTIVATOR, 17100, PART OF KIT 00241
MSDS Prepared Date: 01/26/1999
Review Date: 01/11/2001
MFN: 1
Multiple KIT Number: 0
Kit Part IND: Y
Unit Of Issue: KT
Container QTY: 6

Detail DOT Information

DOT PSN Code: OQD
DOT Proper Shipping Name: 1,1,1-STRICHLOROETHANE
Haza
rd Class: 6.1
UN ID Num: UN2831
DOT Packaging Group: III
Label: KEEP AWAY FROM FOOD
Special Provision: N36,T7
Packaging Exception: 153
Non Bulk Pack: 203
Bulk Pack: 241
Max Qty Pass: 60 L
Max Qty Cargo: 220 L
Vessel Stow Req: A
Water/Ship/Other Req: 40

Detail IMO Information

IMO PSN Code: OVK
IMO Proper Shipping Name: 1,1,1-STRICHLOROETHANE
IMDG Page Number: 6272-1
UN Number: 2831
UN
Hazard Class: 6.1
IMO Packaging Group: III
Subsidiary Risk Label: -
EMS Number: 6.1-02
MED First Aid Guide NUM: 340

Detail IATA Information

IATA PSN Code: YLY
IATA UN ID Num: 2831
IATA Proper Shipping Name: 1,1,1-STRICHLOROETHANE
IATA UN Class: 6.1
IATA Label: TOXIC
UN Packing Group: III
Packing Note Passenger: 605
Max Quant Pass: 60 L
Max Quant Cargo: 220 L
Packaging Note Cargo: 612

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Detail AFI Information
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AFI PSN Code: YLY
AFI Proper Shipping Name: 1,1,1-TRICHLOROETHANE
AFI Hazard Class: 6.1
AFI UN ID NUM: UN2831
AFI Packing Group: III
Special Provisions: P5, N36
Back Pack Reference: A10.5
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HAZCOM Label
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Product ID: OUTPUT ACTIVATOR, 17100, PART OF KIT
00241

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: 01/02/2001

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: None

Reactivity Hazard: None

Hazard And Precautions: ACUTE: POSSIBLE EYE IRRITANT

. PRIMARY ROUTES OF ENTRY:

INHALATION, INGESTION, SKIN & EYE CONTACT. SIGNS AND SYMPTOMS OF
EXPOSURE: HEADACHE, NAUSEA, DIZZINESS. NARCOSIS AT HIGH CONCENTRATION.

CHRONIC: NONE SPECIFIED BY MANUFACTURER (FP N).TARGET ORGANS: BLOOD, CENTRAL
NERVOUS SYSTEM, KIDNEY, CARDIAC, LIVER.

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