

LOCTITE CORPORATION -- BLACK MAX, BLACK TOUGHENED ADHESIVE

=====
MSDS Safety Information
=====

FSC: 6650
NIIN: 01-328-5135
MSDS Date: 05/03/1993
MSDS Num: BTRYV
Product ID: BLACK MAX, BLACK TOUGHENED ADHESIVE
MFN: 01
Responsible Party
Cage: 05972
Name: LOCTITE CORPORATION
Address: 705-NORTH MOUNTAIN ROAD
City: N
EWINGTON CT 06111-1411
Info Phone Number: 203-278-1280 TELEX: 275207
Emergency Phone Number: 203-278-1280
Preparer's Name: STEPHEN REPETTO
Review Ind: Y
Published: Y

=====
Contractor Summary
=====

Cage: 13567
Name: ITT CORP, ITT ELECTRO-OPTICAL PRODUCTS
Address: UNKNOWN
City: UNKNOWN NK 00000
Phone: UNKNOWN
Cage: 05972
Name: LOCTITE CORPORATION
Address: 1001 TROUT BROOK CROSSING
City: ROCKY HILL
CT 06067-3910
Phone: 860-571-5100

=====
Item Description Information
=====

Item Manager: B16
Item Name: FILTER,LIGHT,INTERFERENCE
Specification Number: NONE
Type/Grade/Class: NONE
Unit of Issue: EA
UI Container Qty: 1
Type of Container: METAL

=====
Ingredients
=====

Cas: 7085-85-0
Name: ETHYL CYA

NOACRYLATE

% Wt: 85-90

Other REC Limits: NONE SPECIFIED

OSHA PEL: NOT ESTABLISHED

ACGIH TLV: NOT ESTABLISHED

Cas: 54545-50-5

Name: 2-BUTENEDIOIC ACID (Z)-, MONOETHYL ESTER, POLYMER W/ETHENE & METHYL
OTHERS

% Wt: 7-12

Other REC Limits: NONE SPECIFIED

OSHA PEL: NOT ESTABLISHED

ACGIH TLV: NOT ESTABLISHED

Cas: 1333-86-4

RTECS #: FF5800000

Name: CARBON BLACK

% Wt: 1-3

Other REC Limits: 5 MG/M3

OSHA PEL: 3.5 MG/M3

ACGIH TLV: 3.5 MG/M3;
9394

Cas: 85-44-9

RTECS #: TI3150000

Name: PHTHALIC ANHYDRIDE (SARA III)

% Wt: 0.1-1

Other REC Limits: NONE SPECIFIED

OSHA PEL: 2 PPM

ACGIH TLV: 1 PPM; 9394

EPA Rpt Qty: 5000 LBS

DOT Rpt Qty: 5000 LBS

Cas: 123-31-9

RTECS #: MX3500000

Name: HYDROQUINONE (SARA III)

% Wt: 0.1-0.5

Other REC Limits: NONE SPECIFIED

OSHA PEL: 2 MG/M3

ACGIH TLV: 2 MG/M3; 9394

EPA Rpt Qty: 1 LB

DOT Rpt Qty: 1 LB

RTECS #: 99999

99VO

Name: VOLATILE ORGANIC CONTENT = 87.9

% Wt: 87.9

Other REC Limits: NONE SPECIFIED

OSHA PEL: NOT ESTABLISHED

ACGIH TLV: NOT ESTABLISHED

=====
Health Hazards Data
=====

LD50 LC50 Mixture: ESTIMATED LD50 (ORAL RAT) IS >5000 MG/KG

Route Of Entry Inds - Inhalation: NO

Skin: NO

Ingestion: NO

Carcinogenicity Inds - NTP: NO

IARC: NO

OSHA: NO

Effects of Exposure: VAPOR IS IRRITATING TO EYES & MUCOUS MEMBRANES ABOVE

TLV. PROLONGED & REPEATED OVEREXPOSURE TO VAPOR MAY PRODUCE ALLERGIC REACTIONS W/ASTHMA-LIKE SYMPTOMS IN SENSITIVE INDIVIDUALS. CYANOACRYLATE ADHESIVE IS VERY FAST SETTING & STRONG ADHESIVE. IT BONDS HUMAN TISSUE INCLUDING SKIN IN SECONDS.

Explanation Of Carcinogenicity: THIS CHEMICAL IS NOT CONSIDERED TO BE CARCINOGENIC BY NTP, IARC OR OSHA.

Signs And Symptoms Of Overexposure: VAPOR IS IRRITATING TO EYES & MUCOUS MEMBRANES ABOVE TLV. PROLONGED &

REPEATED OVEREXPOSURE TO VAPOR MAY

PRODUCE ALLERGIC REACTIONS W/ASTHMA-LIKE SYMPTOMS IN SENSITIVE INDIVIDUALS. CYANOACRYLATE ADHESIVE IS VERY FAST SETTING & STRONG ADHESIVE. IT BONDS HUMAN TISSUE INCLUDING SKIN IN SECONDS.

Medical Cond Aggravated By Exposure: NONE KNOWN

First Aid: ACCIDENTS BEST HANDLED BY PASSIVE NON-SURGICAL FIRST AID.

SKIN/MOUTH:IMMERSE BONDED SURFACE IN WARM SOAPY WATER. PEEL OR ROLL SURFACES APART W/AID OF BLUNT EDGE. DO NOT TRY TO PULL SURFACES APART. EY

E LID:EYE

WILL OPEN W/OUT FURTHER ACTION IN 1-4 DAYS. EYEBALL: DISASSOCIATION NORMALLY OCCURS W/IN MATTER OF HRS. INHAL:REMOVE TO FRESH AIR. SKIN:LARGE DROP MAY CAUSE A BURN. TREAT AS ANY THERMAL BURN.

=====
Handling and Disposal
=====

Spill Release Procedures: FLOOD WITH WATER TO POLYMERIZE COMPLETELY. SOLID POLYMER IS NON HAZARDOUS.

Neutralizing Agent: NO INFORMATION GIVEN BY MFR ON MSDS.

Waste Disposal Methods: AFTER POLYMERIZATION AS ABOVE, INCINERATE FOLLOWING EPA AND LOCAL REGULATIONS. PHTHALIC ANHYDRIDE IS LISTED BY EPA AS HAZARDOUS WASTE.

Handling And Storage Precautions: STORE BELOW 75 F TO MAXIMIZE SHELF LIFE. AVOID CONTACT WITH SKIN AND EYES. AVOID BREATHING VAPOR.

Other Precautions: NONE

=====
Fire and Explosion Hazard Information
=====

Flash Point Method: TCC

Fla

sh Point Text: >150F,>66C

Lower Limits: 1.7

Upper Limits: 10.5

Extinguishing Media: CARBON DIOXIDE, FOAM, DRY CHEMICAL

Fire Fighting Procedures: NONE

Unusual Fire/Explosion Hazard: NONE

=====
Control Measures
=====

Respiratory Protection: NO INFORMATION GIVEN BY MFR ON MSDS.

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

Protective Gloves: POLYETHYLENE GLOVES DO NOT USE COTTON!

Eye Protection: SAFETY GLASSES OR GOGGLES

Other Protective Equipment: POLYETHYLENE APRONS (NOT COTTON)

Work Hygienic Practices: MFR: ? :USE STRICT CHEMICAL HYGIENE PRACTICE. AVOID UNNECESSARY EXPOSURE. WASH THOROUGHLY BEFORE EATING OR DRINKING.

Supplemental Safety and Health: KEY1:N1

=====
Physical/Chemical Properties
=====

HCC: T4

NRC/S

State LIC No: NONE

B.P. Text: >300F,>149C

M.P/F.P Text: UNKNOWN

Decomp Text: UNKNOWN

Vapor Pres: <0.2 MM

Vapor Density: APPROX 3

Spec Gravity: 1.1

PH: "N/A"

Evaporation Rate & Reference: NOT AVAILABLE

Solubility in Water: POLYMERIZED BY WATER

Appearance and Odor: VISCOUS, BLACK LIQUID; SHARP IRRITATING ODOR

Corrosion Rate: UNKNOWN

=====
Reactivity Data
=====

Stability Indicator: YES

S

stability Condition To Avoid: NO INFORMATION GIVEN BY MFR ON MSDS.
Materials To Avoid: POLYMERIZES BY CONTACT WITH WATER, ALCOHOLS, AMINES,
ALKALIES.

Hazardous Decomposition Products: IRRITATING ORGANIC VAPORS

Hazardous Polymerization Indicator: NO

Conditions To Avoid Polymerization: WILL NOT OCCUR.

=====
Toxicological Information
=====

=====
Eco
logical Information
=====

=====
MSDS Transport Information
=====

=====
Regulatory Information
=====

=====
Other Information
=====

=====
Transportation Information
=====

Responsible Party Cage: 05972
Trans ID NO: 125754
Product ID: BLACK MAX, BLACK TOUGHENED ADHESIVE
MSDS Prepared Date: 05/03/1993
Review Date: 07/27/1994
MFN: 1
Multiple KIT Number: 0
Review IND: Y
Unit Of Issue: EA
Container QTY: 1
Type Of Container: METAL

=====
Detail DOT Information
=====

=====
DOT PSN Code: ZZZ

DOT Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION

=====
Detail IMO Information

=====
IMO PSN Code: ZZZ

IMO Proper Shipping Name: NOT REGULATED FOR THIS MODE OF TRANSPORTATION

=====
Detail IATA Information

=====
IATA PSN Code: ZZZ

IATA Proper

Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION

=====
Detail AFI Information

=====
AFI PSN Code: ZZZ

AFI Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION

=====
HAZCOM Label

=====
Product ID: BLACK MAX, BLACK TOUGHENED ADHESIVE

Cage: 05972

Company Name: LOCTITE CORPORA
TION

Street: 1001 TROUT BROOK CROSSING

City: ROCKY HILL CT

Zipcode: 06067-3910

Health Emergency Phone: 203-278-1280

Label Required IND: Y

Date Of Label Review: 07/27/1994

Status Code: C

Label Date: 07/27/1994

Origination Code: G

Hazard And Precautions: VAPOR IRRITATING TO EYES & MUCOUS MEMBRANES
>TLV. PROLONGED & REPEATED OVEREXPOSURE TO VAPOR MAY PRODUCE ALLERGIC
REACTIONS W/ASTHMA-LIKE SYMPTOMS IN SENSITIVE INDIVIDUALS. CYANOACRYLATE
ADHESIVE IS V ERY FAST SETTING & STRONG
ADHESIVE. IT BONDS HUMAN TISSUE
INCLUDING SKIN IN SECONDS. N/K

=====
Disclaimer (provided with this information by the compiling agencies): This
information is formulated for use by elements of the Department of Defense.
The United States of America in no manner whatsoever expressly or implied
warrants, states, or intends said information to have any application, use or
viability by or to any person or persons outside the Department of

Defense

nor any person or persons contracting with any instrumentality of the United States of America and disclaims all liability for such use. Any person utilizing this instruction who is not a military or civilian employee of the United States of America should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation regardless of similarity to a corresponding Department of Defense or other government situation.