

SUMMERS OPTICAL CAT#:	12700
SUMMERS PRODUCT:	Lens Bond Decementing Agent
DATE	06/12/2006

MATERIAL SAFETY DATA SHEET CATALYST FOR LENS BOND

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FOR PRODUCT AND SALES INFORMATION
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PRODUCT IDENTIFICATION

PRODUCT NAME: Lens Bond Decementing Agent

HAZARDOUS INGREDIENTS

	OSHA PEL	ACGIH TLV	OTHER EXP LIMITS	% OPT	CAS#
Furfuryl Alcohol	10ppm	10ppm	N/A	100%	98-00-0

N/A = NOT APPLICABLE

PHYSICAL AND CHEMICAL CHARACTERISTICS

BOILING POINT: 338°F/170°C

MELTING POINT: N/A

SPECIFIC GRAVITY (H2O=1): 1.14

VAPOR PRESURE (mmHg): 1@32°C

VAPOR DENSITY (Air=1): 3.4

APPEARANCE/ODOR: Clear, Bluish-green liquid. Mild odor

SOLUBILITY IN WATER: Completely Soluble

REACTIVITY IN WATER: None

FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: 177°F/77°C

METHOD USED: TCC

EXPLOSION LEVEL-LOWER 1.8
(LEL): 16.3
-UPPER (UEL):

AUTO-IGNITION
TEMPERATURE: 915°F/490°C

EXTINGUISHER MEDIA: Water spray for dilution, dry chemical, CO, foam.

FIRE FIGHTING PROCEDURES: Evacuate contaminated area. Firefighters should wear eye protection and self contained breathing apparatus. Cool adjacent containers with water spray.

UNUSUAL FIRE AND
EXPLOSION HAZARDS: Acid contamination can cause violent, exothermic polymerization.

REACTIVITY DATA

STABILITY: Stable

CONDITIONS TO AVOID: None

INCOMPATIBILITY Oxidizers, acids, contact with acids
(MATERIALS TO AVOID): can cause violent eruptions.

HAZARDOUS DECOMPOSITION Combustion causes Carbon Dioxide
PRODUCTS: and Carbon Monoxide.

HAZARDOUS
POLYMERIZATION: May Occur

CONDITIONS TO AVOID: Polymerization can occur on contact with acids or acidic catalysts.

HEALTH HAZARDS

ACUTE: Headaches, irritation of eyes, CNS depression, skin rashes or allergic reactions.

CHRONIC: None known

SIGNS AND SYMPTOMS OF EXPOSURE: Headache, dizziness, skin reddening.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Any existing dermatitis or nervous system disorders.

CHEMICAL LISTED AS A CARCINOGEN OR POTENTIAL CARCINOGEN:
 NTP: No
 IARC: No
 OSHA: No

EMERGENCY AND FIRST AID PROCEDURES: Remove to fresh air, give assistance in breathing, remove soiled clothing. Wash skin thoroughly. Flush eyes for at least 10 minutes.

ROUTES OF ENTRY:

INHALATION:	Most likely: can cause headaches, nausea or CNS depression.
EYES:	Less likely: corneal opacity or inflammation.
SKIN:	Likely: Skin rash
INGESTION:	Least likely: Get immediate medical attention. Induce vomiting.

PRECAUTION FOR SAFE HANDLING AND USE

SPIILLS OR LEAKS: Absorb with vermiculite and place in covered container. Large spills should be diked with earth and pumped into salvage tanks.

WASTE DISPOSAL: Furfuryl alcohol is not E.P.A. hazardous waste. Dispose in accordance to local regulations.

STORAGE AND HANDLING: Store in a cool, ventilated area away for ignition sources and acids.

OTHER PRECAUTIONS: Do not smoke or eat in handling areas.

CONTROL MEASURES

RESPIRATORY Niosh approved organic vapor canister mask when
PROTECTION: TLV is exceeded.

VENTILATION: Required.

Local Exhaust: Yes

Mechanical (General) Yes

Special: None

PROTECTIVE GEAR: Neoprene gloves should be worn. Safety glasses or
face shield should be worn. Eyewash station and
safety shower should be available.

WORK/HYGIENIC PRACTICES: Wash skin thoroughly with soap and water.

ECOLOGICAL INFORMATION:

ECOTOXICOLOGICAL
INFORMATION: N/A

CHEMICAL FATE: N/A

TRANSPORT INFORMATION

DOT SHIPPING NAME: Furfuryl Alcohol

HAZARD CLASS: 6.1

PACKING GROUP: III

UN/NA NO: 2874

DOT LABELS: Poison

SUBSIDIARY LABEL: None

DOT PLACARDS: 6.1, Poison

IMO SHIPPING NAME: Furfuryl Alcohol

HAZARD CLASS: 6.1

PACKING GROUP: III

UN NO: 2874

SUBSIDIARY LABEL: NONE

IATA SHIPPING NAME: Furfuryl Alcohol

HAZARD CLASS: 6.1

PACKING GROUP: III

UN NO: 2874

IATA LABELS: Poison

SUBSIDIARY LABEL: None

REGULATORY INFORMATION

NOT APPLICABLE

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