

T-60

# MATERIAL SAFETY DATA SHEET

Identity: TOI-TABS (all sizes)	Date prepared: January 4, 2005
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## SECTION I

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## SECTION II. HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

	CAS #	OSHA PEL	ACGIH TLV	OTHER LIMITS RECOMMENDED
Bronopol	52-51-7	NE	NE	NE
Fragrance (mixture) essential oils & retardants	Mixture	NE	NE	NE
Poly (oxy-1,2-ethanediyl), alpha-(nonylphenylomega - hydroxy)	9016-45-9	NE	NE	NE
Other components consisting of between 10 & 20 % by weight are considered a trade Secret and not disclosed under terms of OSHA 29cfr 1926.59 and 29cfr 1928.21. Such components may be disclosed under emergency conditions to health professionals, if necessary.				

## SECTION III. PHYSICAL/CHEMICAL CHARACTERISTICS

INITIAL BOILING POINT: NE	APPEARANCE AND ODOR: Blue tablet with pleasant fragrance
VAPOR PRESSURE: NE	SPECIFIC GRAVITY (water=1): NE
VAPOR DENSITY (air=1): NE	MELTING POINT: NE
SOLUBILITY IN WATER: 100%	EVAPORATION RATE (butyl acetate=1): NE

## SECTION IV. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (method used):	NE
FLAMMABLE LIMITS	LEL: NE UEL: NE
EXTINGUISHING MEDIA:	Water, carbon dioxide, dry chemical, foam
SPECIAL FIRE FIGHTING PROCEDURES:	Wear self-contained breathing apparatus to fight fires.
UNUSUAL FIRE AND EXPLOSION HAZARDS:	If product is heated above 140°C, the solid or the solid residue from solutions decomposes exothermically, liberating toxic hydrogen bromide fumes and oxides of nitrogen and wells up to give a sticky tarry mass which burns readily.

## SECTION V. REACTIVITY DATA

STABILITY:	Stable
INCOMPATIBILITY (materials to avoid):	Avoid alkalis and amines.
HAZARDOUS DECOMPOSITION PRODUCTS:	Bromine; oxides of carbon and nitrogen.
HAZARDOUS POLYMERIZATION:	Will not occur
CONDITIONS TO AVOID:	Temperatures above 140°C.

## SECTION VI. HEALTH HAZARD DATA

PRIMARY ROUTES OF ENTRY: Eyes, skin, inhalation, ingestion

### HEALTH HAZARDS

#### ACUTE:

EYES: Causes irritation.

SKIN: Causes irritation.

SWALLOWING: Toxic by ingestion.

INHALATION: May cause irritation.

#### CHRONIC: NE

CARCINOGENICITY: No    NTP: No    RC MONOGRAPHS: NE    OSHA REGULATED: NE

EFFECTS OF OVEREXPOSURE: Irritation to eyes, skin, respiratory and digestive systems.

MEDICAL CONDITIONS PRONE TO AGGRAVATION BY EXPOSURE: NE

#### EMERGENCY AND FIRST AID PROCEDURES:

IN EYES: Immediately flush eyes with water for 15 minutes. Remove contact lenses and continue flushing. Seek immediate medical attention if burning sensation exists after washing.

ON SKIN: Always wash skin after contact. Do not leave contaminated clothing to remain in contact with skin. If redness, itching, or a burning sensation develops, get medical attention.

SWALLOWED: May be toxic by ingestion. Drink immediately several glasses of milk or water. Avoid alcohol. DO NOT induce vomiting. Seek medical attention immediately.

INHALED: Move to fresh air. If cough or irritation develops, seek medical attention.

## SECTION VII. PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE OF RELEASE OR SPILL: General procedures are to sweep up and recover. Flush area with water. Bury in an approved sanitary landfill. When in solution, decomposition can be effected by treatment with caustic and heating (to be attempted only by skilled personnel).

WASTE DISPOSAL METHOD: Dispose of in accordance with all local, state, and federal regulations. Wastes resulting from use of this product may be disposed of on-site or at an approved waste disposal facility. Keep container closed when not in use.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Avoid ingestion. Wash hands well before eating or smoking. Store in a cool, dry environment 22°C minimum to 25°C maximum. Keep away from heat source. Do not get into eyes, on skin, or on clothing. Corrosive to eyes and can cause severe skin irritation. May cause permanent eye damage if not removed promptly. Harmful or fatal if swallowed. Wear goggles and rubber gloves when handling. Avoid breathing concentrated vapors. Store in a cool, dry area away from heat and direct sunlight. KEEP OUT OF REACH OF CHILDREN. FOR INDUSTRIAL USE ONLY.

Laboratory studies indicate no teratogenic or mutagenic effects noted in humans. All ingredients are on the TSCA section 8(b) inventory. It is incumbent upon the user to exercise precautions to ensure that persons using this product are not dangerously exposed to eye contact and that skin exposure is properly washed to remove material.

## SECTION VIII. CONTROL MEASURES

VENTILATION:	Normal room ventilation is adequate.
RESPIRATORY PROTECTION:	Not necessary under conditions of normal use
HANDS:	Neoprene or other impervious gloves
EYES:	Safety glasses with side shield, goggles, or face shield
OTHER:	Eye wash station
HYGIENIC PRACTICES:	Wash hands thoroughly after handling.

The information accumulated herein is believed to be accurate but is not warranted. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances.

NE: not established

N/A: not applicable