



ALDON CORPORATION

MATERIAL SAFETY DATA SHEET

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MSDS No. IX 14
Effective Date November 5, 1998

SECTION V HEALTH HAZARD DATA IX 14

Threshold Limited Value Not determined for this mixture. BHT: TLV 10 mg/m³ ACGIH; PEL 10 mg/m³ OSHA; 10 mg/m³ suggested for aerosol.

Effects of Overexposure **INHALATION:** Exposure as mist or vapor may cause irritation of nasal and respiratory passages. **EYES:** Contact may cause severe irritation and/or burns. **SKIN:** Prolonged contact may cause skin irritation. **INGESTION:** If very large quantities are swallowed, it may cause diarrhea, respiratory depression, tremors, and chronic pulmonary edema or congestion and hemorrhage. **CHRONIC EXPOSURE:** Studies indicate some effect on newborn in laboratory animals, so material is an experimental teratogen. Limited animal experiments suggest limited toxicity.

Emergency and First Aid Procedures **INGESTION:** If swallowed, if conscious, give one or two glasses of water to drink, induce vomiting. Repeat until vomit fluid is clear. Call physician immediately. Never give anything by mouth to an unconscious person. **SKIN:** Flush with water, then wash with mild soap and water. **EYES:** Flush thoroughly with water for at least 15 minutes, lifting lower and upper eyelids occasionally. Get medical attention. **INHALATION AS MIST:** Remove to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Get medical attention.

SECTION VI REACTIVITY DATA

Stability	Unstable		Conditions to Avoid	Prolonged heat, acid or acid fumes.
	Stable	X		

Incompatibility (Materials to Avoid) Strong oxidizing agents, strong acids.

Hazardous Decomposition Products Thermal decomposition yields carbon monoxide and carbon dioxide.

Hazardous Polymerization		Conditions to Avoid	Not applicable.
May Occur	Will Not Occur		
	X		

SECTION VII SPILL OR LEAK PROCEDURES

Steps to be taken in case material is released or spilled Dike and contain spill with inert material (sand, earth, vermiculite, etc.) and transfer liquid and contaminated diking material to separate containers for recovery or disposal. Wash floor with hot water solution of OAKITE or equivalent. Remove contaminated clothing and wash before reuse. Wash affected skin areas with soap and water. Keep spill out of all sewers and open bodies of water.

Waste Disposal Method Discharge, treatment, or disposal may be subject to Federal, State or Local laws. These disposal guidelines are intended for the disposal of catalog-size quantities only.

Landfill or incinerate liquid and/or contaminated diking material according to current local, state and federal regulations.

SECTION VIII SPECIAL PROTECTION INFORMATION

Respiration Protection (Specify Type) None needed in normal handling at room temperature. If misty conditions prevail, wear a NIOSH/MSHA approved mist or vapor respirator.

Ventilation	Local Exhaust	Recommended.	Special	No.
	Mechanical (General)	Recommended.	Other	No.

Protective Gloves	Neoprene or vitron.	Eye Protection	Chemical safety glasses.
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Other Protective Equipment	Lab coat, apron, eye wash station, proper gloves, ventilation hood.
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SECTION IX SPECIAL PRECAUTIONS

Precautions to be Taken in Handling & Storing Store in a cool, dry, well-ventilated storage area. Do not store near oxidizing agents or strong acids. Keep container tightly closed. Wash thoroughly after handling.

Other Precautions Read label on container before using. Do not wear contact lenses when working with chemicals.

Any use of this product in elevated temperature process should be evaluated to establish and maintain safe operating procedure. Do not store near food products. Wash hands thoroughly before eating, drinking, or using rest room.

For laboratory use only. Not for drug, food or household use. Keep out of reach of children.

Revision No. 2	Date 11/5/98	Approved Michael Raszeja	Chemical Safety Coordinator MR
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The information contained herein is furnished without warranty of any kind. Employers should use this information only as a supplement to other information gathered by them and must make independent determinations of suitability and completeness of information from all sources to assure proper use of these materials and the safety and health of employees. * Hazardous Materials Industrial Standards. Printed on recycled paper.

SECTION I NAME 24 HOUR EMERGENCY ASSISTANCE

Product	IONAL® MIXTURE
Chemical Synonyms	Butylated Hydroxy Toluene (BHT) Mixture
Formula	Mixture - see Section II.
Unit Size	1 to 55 gallons
C.A.S. No.	Mixture - none assigned.

CHEMTREC
800-424-9300
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NFPA HAZARD RATING
LEAST SLIGHT MODERATE HIGH EXTREME
0 1 2 3 4

HMIS *
3 4

SECTION II INGREDIENTS OF MIXTURES

Principal Component(s)	%	TLV Units
Butylated Hydroxy Toluene: (CAS No. 128-37-0)	40%	10 mg/m ³ (ACGIH)
Diisobutyl Adipate: (CAS No. 141-04-8)	50%	Not determined.
Poly(oxyethylene) 20 sorbitan monostearate: (CAS No. 9005-67-8)	10%	Not determined.

SECTION III PHYSICAL DATA

Melting Point (°F)	Not determined.	Specific Gravity (H ₂ O = 1)	Approx. 0.95 @ 25/25°C
Boiling Point (°F)	Above 100°C (212°F)	Percent Volatile by Volume (%)	Non-volatile (NA).
Vapor Pressure (mm Hg)	Below 1.	Evaporation Rate (n-Butyl Alc. =1)	Not applicable.
Vapor Density (Air=1)	7.6 (BHT)		
Solubility in Water	Insoluble.		
Appearance & Odor	Amber, viscous liquid; mild odor.		

SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used)	400°F (204°C) C.O.C.	Flammable Limits in Air % by Volume	Lower NA	Upper NA
Extinguisher Media	Carbon dioxide (CO ₂); dry chemical (ABC); water fog; halon 1211.			

SPECIAL FIREFIGHTING PROCEDURES

Fire fighters should wear proper protective equipment and a NIOSH/MSHA approved self-contained breathing apparatus with full face plate. Move exposed containers from fire area if possible. Use water to keep fire exposed containers cool.

UNUSUAL FIRE AND EXPLOSION HAZARDS

Contact with strong oxidizers may cause fire. Closed containers may explode due to pressure build up when exposed to extreme heat. Solid streams of water directed at burning liquid may cause frothing.

D.O.T.	NON-REGULATED.
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Approved by U.S. Department of Labor "essentially similar" to form OSHA-20