

SPA DEFOAMER

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<b>MATERIAL SAFETY DATA SHEET</b>			
<b>SECTION 1 - PRODUCT SOURCE AND IDENTITY</b>			
SUPPLIER'S NAME & ADDRESS		PRODUCT DESCRIPTION	DATE OF ISSUE: JULY 8, 1996
Arrow Chemical Co. 2217 Border Avenue Torrance, CA 90501		NAME SPA DEFOAMER PURPOSE: Controls and destroys foam in spas, hot tubs, etc. Proprietary Formula Code: ARO SPA	
FAX NUMBER:	310-618-0978	PRODUCT INFORMATION (BUS HOURS)	310-320-6246
<b>SECTION 2 - SHIPPING CLASSIFICATION</b>			
PROPER SHIPPING NAME, HAZARD CLASS, UN/NA NUMBER, PACKAGING GROUP, EMERGENCY RESPONSE GUIDE NUMBER			
NOT REGULATED			
LABELS REQ'D:		NONE	
QUALIFIES FOR "CONSUMER COMMODITY" ORM-D:		NOT APPLICABLE	
REPORTABLE QUANTITY INFORMATION:		NONE	
<b>SECTION 3 - SAFETY RATINGS AND HAZARDOUS INGREDIENT INFORMATION</b>			
REPORTING REQUIRED BY TITLE III SEC 313, 40 CFR 372 (*), 29 CFR 1910.1200 EXPOSURE LIMIT VALUES			
CAS#	313	MATERIAL OR COMPONENT	% TWA STEL
Contains no hazardous materials according to these criteria.			
No components are listed in "THRESHOLD LIMIT VALUES AND BIOLOGICAL EXPOSURE INDICES FOR 1994-95" from ACGIH except as listed above. Components listed in TITLE III SEC 313 are indicated by "Yes" above.			
EMERGENCY OVERVIEW: Offers no unusual hazards. Use standard industrial good practices.			
HMIS HAZARD RATINGS: HEALTH 1 FIRE 0 INSTABILITY 0 OTHER NA			
NFPA HAZARD RATINGS: HEALTH 1 FLAMMABILITY 0 REACTIVITY 0 SPECIAL NA			
HAZARD RATINGS: LEAST: 0 SLIGHT: 1 MODERATE: 2 HIGH: 3 EXTREME: 4			
THRESHOLD LIMIT VALUE: Not established on product.			
SARA	Section 302	NONE	U.S FEDERAL REGULATIONS:
TITLE III	Section 311/312	NONE	TSCA STATUS: All ingredients listed.
	Section 313	See above	CERCLA REPORTABLE QUANTITY: NONE
<b>SECTION 4 - PHYSICAL AND CHEMICAL PROPERTIES</b>			
APPEARANCE:	Milky liquid	FLASH POINT deg F (CC):	None
ODOR:	None	INITIAL BOILING POINT deg C:	100'C+/-
SPECIFIC GRAVITY:	NA	VAPOR PRESSURE 20 deg C:	NA
pH REACTION:	Essentially neutral	FREEZING POINT deg F:	NA
% PHOSPHOROUS	None	SOLUBILITY IN WATER:	Dispersible
REPRODUCTIVE IMPLICATIONS: None			
INGREDIENT ON CANCER LISTS: None			
Dose Rate: 1/4 to 1/2 oz. per 500 gallons is usually sufficient.			

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**SECTION 5 - SAFE HANDLING AND STORAGE****GENERAL:**

Maintain good housekeeping practices. Spills may be slippery.

**PROTECTIVE EQUIPMENT****EYES:** No special protection needed.**SKIN:** No special protection needed.**RESPIRATORY PROTECTION:** None normally required in recommended application procedures.**VENTILATION:** None required.**OTHER:** None**SECTION 6- HEALTH SAFETY DATA****EFFECTS OF CHRONIC OVER EXPOSURE:****EYES:** Can cause irritation.**SKIN:** None likely.**INHALATION:** Mists may be somewhat irritating, but not dangerous.**INGESTION:** Not a likely source of exposure. Dilute with milk or water.**SECTION 7 - PHYSICAL STABILITY AND REACTIVITY DATA****EXPLOSIVE LIMITS**

UPPER ND LOWER ND

CHEMICAL stable X

STABILITY unstable

HAZARDOUS may occur

POLYMERIZATION cannot occur X

**FLASH POINT:** See Sec 4**CONDITIONS TO AVOID:** None known**HAZARDOUS DECOMPOSITION PRODUCTS:**

None known

**INCOMPATIBILITY:** None known**SECTION 8- EMERGENCY RESPONSE PROCEDURES****FIRE** **EXTINGUISHING MEDIA:** Use fire fighting media proper to primary source of fire.**UNUSUAL HAZARDS** None**FIRST AID** **EYES:** Flush with water for at least 15 min. Seek medical attention.**SKIN:** Wash exposed skin with soap and water until gone. Remove affected clothes rinse off product and wash clothes before reuse.**INHALATION:** If affected, remove individual to fresh air, get medical attention at once if there is any discomfort.**INGESTION:** Dilute by giving large amounts of water or milk. Get medical attention. Do not induce vomiting.**SPILLS** **SMALL/LARGE SPILL:** Vacuum or mop up as much as possible for use. See Sec 5. Small amounts may be flushed to drain. Comply with federal, state and local regulations on reporting spills.

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