

SPARK-L

PAGE 1

MATERIAL SAFETY DATA SHEET			
SECTION 1 - PRODUCT SOURCE AND IDENTITY			
SUPPLIER'S NAME & ADDRESS		PRODUCT DESCRIPTION	DATE OF ISSUE: JULY 10, 1996
Arrow Chemical Co. 2217 Border Avenue Torrance, CA 90501		NAME SPARK-L PURPOSE: Biodegradable cleaner to remove stains and oils from pools. Proprietary Formula Code: ARO_SPRK	
FAX NUMBER:	310-618-0978	PRODUCT INFORMATION (BUS HOURS)	310-320-6246
SECTION 2 - SHIPPING CLASSIFICATION			
PROPER SHIPPING NAME, HAZARD CLASS, UN/NA NUMBER, PACKAGING GROUP, EMERGENCY RESPONSE GUIDE NUMBER			
APPROPRIATE FOR NON-BULK LAND SHIPMENT			
		NOT REGULATED	
LABELS REQ'D:		NONE	
QUALIFIES FOR "CONSUMER COMMODITY" ORM-D:		NOT APPLICABLE	
REPORTABLE QUANTITY INFORMATION:		NONE	
SECTION 3 - SAFETY RATINGS AND HAZARDOUS INGREDIENT INFORMATION			
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 1995-96" 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
SECTION 4 - PHYSICAL AND CHEMICAL PROPERTIES			
APPEARANCE:	Clear blue liquid	FLASH POINT deg F (CC):	None
ODOR:	None	INITIAL BOILING POINT deg C:	100°C +/-
SPECIFIC GRAVITY:	>1	VAPOR PRESSURE 20 deg C:	NA
pH REACTION:	8-9	FREEZING POINT deg F:	NA
% PHOSPHOROUS:	0.2	SOLUBILITY IN WATER:	Dispersible
REPRODUCTIVE IMPLICATIONS:		None	
INGREDIENT ON CANCER LISTS:		None	
Directions: Apply with tile brush, sponge or scrub pad, then rinse.			

SPARK-L

PAGE 2

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 Fire may eventually drive off ammonia fumes.

FIRST AID	EYES: Flush with water for at least 15 min. Seek medical attention.
	SKIN: Rinse exposed skin with water until gone. Remove affected clothes, rinse off product and wash clothes before reuse.
	INHALATION: If affected, remove individual to fresh air. No problems expected.
	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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MSDS prepared by: R.N. Miller