

MATERIAL SAFETY DATA SHEET			
SECTION 1 - PRODUCT SOURCE AND IDENTITY			
SUPPLIER'S NAME & ADDRESS Arrow Chemical Co. 2217 Border Avenue Torrance, CA 90501	PRODUCT DESCRIPTION NAME SPARK-L PURPOSE: Biodegradable cleaner to remove stains and oils from pools. Proprietary Formula Code: ARO_SPRK	DATE OF ISSUE: JULY 10, 1996	
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.			

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	FLASH POINT:	See Sec 4
UPPER ND	LOWER ND	CONDITIONS TO AVOID: None known
CHEMICAL STABILITY	stable X unstable	HAZARDOUS DECOMPOSITION PRODUCTS:
HAZARDOUS POLYMERIZATION	may occur cannot occur X	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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