

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:	100C+/-
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	HAZARDOUS DECOMPOSITION PRODUCTS:
stable X unstable	None known
HAZARDOUS POLYMERIZATION	INCOMPATIBILITY: None known
may occur cannot occur X	
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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