

MATERIAL SAFETY DATA SHEET

SECTION 1 - PRODUCT SOURCE AND IDENTITY

Supplier identity and address Arrow Chemical Co. 2217 Border Avenue Torrance, CA 90501	Product description: Date: Mar. 23, 2006 Name: Spark- L Purpose: Helps remove stains and oils from pools. Proprietary Formula Code: ARO SPRK Product information: 310-320-6246
Emergency phone: 800-255-5924	

SECTION 2 - SHIPPING CLASSIFICATION

Proper Shipping Name, Hazard Class, UN/NA Number Packing Group, Emergency Response Guide Number

Labels required per 49 CFR 172.101:	Not regulated
Size for "Limited quantity" per 49 CFR 173.150-4:	None
Reportable Quantity ("RQ") per 49 CFR 172.101:	None or not possible in one non-bulk package

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	% RQ#	TWA STEL

Contains no hazardous ingredients according to these lists.
 Contains non regulated detergents which can contribute to eye and skin irritation.

No component is listed in "THRESHOLD LIMIT VALUES AND BIOLOGICAL EXPOSURE INDICES FOR 2007" from ACGIH except as noted above. Components listed in TITLE III SEC 313 (EPCRA) are indicated by "Yes" above.

Note: The purpose of this MSDS is to provide safe handling, shipping and disposal information for users of the product. It is not intended to, nor does it, provide complete or extensive toxicological data on the product or its components. Users who require this information are referred to primary suppliers of the ingredients of interest.

Emergency overview: Slightly alkaline cleaner. Keep out of eyes and off of skin.
 Spills may be slippery.

Hazard Categories:	Health	Fire	Pressure	Reactivity	Reference 49 CFR 171.8, OSHA 29 CFR 1910.1200 and SARA 302/311/312/313.
Immediate	Yes	No	No	No	
Delayed	No	XXX	XXX	XXX	

HMIS Hazard ratings: Health 1 Fire 0 Instability 0 Other B (Glasses, gloves)

NFPA 704 Hazard Ratings: Health 1 Flammability 0 Reactivity 0 Special NA

Hazard Ratings: Least: 0 Slight: 1 Moderate: 2 High: 3 Extreme: 4

Note: HMIS and NFPA ratings are subjective evaluations of hazards and can differ between preparers. They are intended and useful only as a rapid approximation of the hazards rated.

Threshold limit value: Not established on product.

TOSCA Status: All ingredients listed

CERCLA RQ: See Sec 2.

California Prop. 65: None

Ingredients on cancer lists: None

Reproductive implications: None

SECTION 4 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear blue liquid	Flash point deg. F (cc):	None
Odor:	None	Initial boiling point deg. C:	NA
Specific gravity:	>1	Vapor pressure 20 deg C:	NA
pH reaction:	8-9	Freezing point deg. C:	NA
% phosphorous:	0.24	Solubility in water:	100%
VOC Content:	None		
California Rule 102 (66):	Contains no photo chemically active materials.		

SECTION 5 - SAFE HANDLING AND STORAGE

General	Neutral pH gel former. Keep out of eyes and off of skin. Forms gel with water which will be very slippery. Wipe up spills immediately for safety reasons.
Protective equipment	
Eyes	Safety glasses or goggles should be worn if there is possibility of eye contact.
Skin	Impermeable gloves such as rubber, PVC or neoprene are recommended.
Respiratory protection	None normally required. If risk of inhalation occurs, select and use equipment according to OSHA/NIOSH guidelines for nuisance mists.
Ventilation	A well ventilated work environment is recommended.
Other	None

SECTION 6- HEALTH SAFETY DATA

Effects of acute or chronic over exposure	
Eyes	Irritating to eyes. No chronic effects known.
Skin	Can cause irritation from repeated exposure.
Inhalation	Dust or mists may be irritating to breathing passages.
Ingestion	Not a likely source of chronic exposure.

SECTION 7 - PHYSICAL STABILITY AND REACTIVITY DATA

Explosive limits	Flash point:	See Sec 4
Upper: None	Lower: None	Conditions to avoid: None known
Chemical stability	Stable	Hazardous decomposition products: None known
Hazardous polymerization	Cannot occur	Incompatibility: None known

SECTION 8- EMERGENCY RESPONSE PROCEDURES

Fire	Extinguishing media	Use equipment appropriate to the main cause of the fire.
	Special procedures	None
	Unusual hazards	None
First Aid	Eyes	Flush with water for at least 15 min. Seek medical attention. See Sec. 6.
	Skin	
	Inhalation	If affected, remove individual to fresh air, get medical attention at once if there is any discomfort.
	Ingestion	
Spills	Small / large spill	Small amounts may be flushed to drain. Comply with federal, state and local regulations on reporting spills. Keep out of waterways and storm sewers.

Product as made does not qualify as a hazardous waste for disposal situations.

Information presented herein has been compiled from sources considered to be accurate and reliable, but is not guaranteed to be so. Since conditions of use are beyond our control we make no warranties, expressed or implied.
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