



# SKASOL INCORPORATED

1696 West Grand Avenue, Oakland, CA 94607-1607 Tel (510) 839-1000 - Fax (510) 839-1090

Commercial and Industrial Water Treatment Programs Since 1927

## Product Information:

Trade Name (as labeled):	SKASOL MB-7
Manufacturer's Name	Skasol Incorporated
Address (complete mailing address):	1696 West Grand Avenue Oakland, California 94607-1607
24 Hour Emergency Telephone	(800) 424-9300
Information Telephone	(510) 839-1000
Date prepared or revised	January 1, 2000
Name of preparer	Brian Ford

## Hazardous Ingredients:

Chemical Name	CAS Number	Percent	Limits in Air ACGIH TLV	(give units) OSHA PEL	Other (specify)
Phosphonium, tetrakis (hydroxymethyl)-, sulfate	55566-30-8	~20%	not established		

## Physical Properties:

Vapor Density	not available	Melting Point or Range	not available
Specific Gravity	1.09	Boiling Point or Range, °F	not available
Solubility in Water	Miscible	Evaporation Rate	not available
Vapor pressure	not available		
Appearance and Odor	Clear liquid, Characteristic smell		

## Fire and Explosion:

Flash point, °F (give method)	Not Available
Auto ignition temperature, °F	Not Available

Flammable limits in air, volume %	none	lower (LEL)		upper (UEL)	
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## Fire extinguishing materials:

Water	X	Foam	X	CO <sub>2</sub>	X	Dry Chemical	X	Other	
Special fire fighting procedures:	Wear full protective clothing and respiratory protection.								
Unusual fire and explosion hazards:	None.								

## Health Hazard Information:

### Symptoms of overexposure for each potential route of exposure.

Inhaled:	Expected to cause significant irritation to the lungs, upper respiratory tract, and nose. Coughing, burning, tightness of chest and/or shortness of breath.
Contact with skin:	Not expected to cause significant irritation to skin. Redness and possible burning of the skin.
Contact with eyes:	Expected to cause significant irritation to the eyes. Redness and possible burning and tearing of the eyes.
Swallowed:	Expected to cause significant irritation to the digestive tract. Possible nausea and/or vomiting.

### HEALTH HAZARD

- 4. Deadly
- 3. Extreme Hazard
- 2. Hazardous
- 1. Slightly Hazardous
- 0. Normal Material

### SPECIFIC HAZARD

- 4. Oxidizer
- 3. Acid
- 2. Alkali
- 1. Corrosive
- 0. Use no water



### FIRE HAZARD

- 4. Below 73 degree F (Boiling pt. below 100 degree F)
- 3. Below 73 degree F (Boiling pt. at/above 100 degree F and/or at/above 73 degree F not exceeding 100 degree F)
- 2. Above 100 degree F not exceeding 200 degree F
- 1. Above 100 degree F
- 0. Will not burn

### REACTIVITY

- 4. May detonate
- 3. Shock and heat may detonate
- 2. Violent chemical change
- 1. Unstable if heated
- 0. Stable

Health Hazard	2
Fire Hazard	0
Reactivity Hazard	0
Specific Hazard	0



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## Health Hazard Information (continued):

### Health effects or risks from exposure:

Acute	May cause significant adverse effects if ingested. Not expected to cause significant adverse effects if mist or vapor is inhaled or if absorbed through the skin.
Chronic	Same as acute only less severe.

### First Aid Emergency Procedures:

Eye Contact	Immediately flush with plenty of water, raising eyelids often to help irrigation and continue for at least 15 minutes. Get medical assistance.
Skin Contact	Flush with plenty of water. Remove contaminated clothing. If skin is slippery, alkalinity is still present. Continue flushing until gone.
Inhaled	Remove to fresh air. If not breathing give artificial respiration (preferably mouth to mouth). Call a physician or poison control center.
Swallowed	If conscious drink large quantities of water, milk or sodium bicarbonate. Do not induce vomiting. Get medical attention. Never give anything by mouth to an unconscious person.

### Suspected cancer agent?

<input checked="" type="checkbox"/>	No: this product's ingredients are not found in the lists below.
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<input type="checkbox"/>	Federal OSHA	<input type="checkbox"/>	National Toxicology Program	<input type="checkbox"/>	International Assoc. For Research On Cancer
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Medical Conditions Aggravated By Exposure	Not known.
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### Reactivity Data:

#### Stability:

<input checked="" type="checkbox"/>	Stable	<input type="checkbox"/>	Unstable
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Conditions to avoid:	Do not mix with strong bases.
Incompatibility (materials to avoid):	Strong Oxidizers, Strong bases.
Hazardous decomposition products:	Phosphine, oxides of phosphorus, sulfur and carbon.

Hazardous polymerization:	<input type="checkbox"/>	May occur	<input checked="" type="checkbox"/>	will not occur
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Conditions to avoid:	Not known
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### Spill, Leak and Disposal Procedures:

Spill response procedures:	Dike area to contain the spill. Small spills may be flushed and diluted with lots of water and washed to a sewer connected to a waste treatment plant.
Preparing wastes for disposal:	Larger spills should be contained and neutralized with dilute acid before washing with plenty of water to a sewer connected to a waste treatment plant. Any DOT container is suitable for temporarily holding neutralized waste.

### Special Handling Information:

Ventilation and Engineering Controls:	Local exhaust ventilation should be sufficient to minimize employee exposure to mist below OSHA PEL
Respiratory Protection:	When conditions require it, use a respirator approved by NIOSH/MSHA with a dust/mist filter. Respiratory protection programs must meet or exceed the requirements of Title 29 CFR 1910.134
Eye Protection:	Close fitting chemical safety goggles with a face shield if needed.
Gloves:	Nitrile, neoprene or natural rubber.
Other Clothing and equipment	Rubber boots with safety toes, rubber aprons, plastic hard hats should be used when necessary to prevent skin contact.
Work practices, hygienic practices:	Protective clothing and use of equipment must be in accordance with Title 29 CFR Sections 1910.132 and 1910.133
Other Handling and Storage Needs:	Provide emergency eye wash stations and emergency shower facilities near use and handling areas.
Measures during Maintenance:	Chemical feed pumps should be routinely washed out with water. Plastic tubing and fittings should be frequently inspected for leaks and clogs. As with all automatic equipment, be certain that the power is disconnected before performing any adjustments or repairs. Use all above precautions.