



HEATSAVR™

**BRODY**  
CHEMICAL

# HEATSAVR™



All swimming pools lose heat and energy through evaporation. Heatsavr™ slows evaporative loss, keeping the heat in the pool and saving energy and water. Pools with gas or electric heaters, heat pumps, solar systems or no heater at all will benefit by reducing heat loss.

Seventy percent of total heat loss from pools and spas is due to evaporation. The US Department of Energy advises a pool blanket be used to achieve energy savings and heat retention.



## FREQUENTLY ASKED QUESTIONS

### **WILL IT STAIN THE POOL?**

No, Heatsavr™ does have a slight amount of blue dye in it to give it some color, but not enough to cause any stains or damage to pool liners or decks.

### **HOW DO I INSTALL THE AUTOMATIC METERING SYSTEM?**

The AMS should be installed into the main feed line of the pool after the filtration, pump, chlorine injection and any other chemical injection sites. Installation instructions come with the product.

### **WE DO NOT HEAT THE POOL, HOW WILL HEATSAVR™ HELP?**

Yes, Heatsavr™ can be used in non-heated pool to help increase the temperature of the water. Usually it is a case where the swimming pool is losing heat throughout the evening and then gaining it back during the day from solar gain. In this instance adding Heatsavr™ in the evening will mitigate the temperature loss overnight.

### **CAN WE USE THE PRODUCT ON SPAS AND HOT TUBS?**

Yes, however if the customer is using a solid cover recommend they keep using it because of its excellent insulating qualities for the higher temperature water. Heatsavr™ can be used in conjunction with the solid cover or if there is no cover at all to conserve energy when the spa is open. The spa requires a higher dosage because of increased water temperature and higher bather loads. We recommend a dosage of 1 ounce/50 square feet per day.

### **CAN HEATSAVR™ BE USED ON INDOOR POOLS?**

Yes, Heatsavr™ can be used on indoor pools. Indoor pools lose heat and water to evaporation the same as an outdoor pool. Therefore using Heatsavr™ on an indoor pool will reduce energy use and humidity levels.



application schedule should take that into account and Heatsavr™ should be applied after the wind has reduced.

How can I measure energy savings? When trying to measure energy savings it is recommended that your pool be treated like an experiment using only accurate and specific data. For instance if a pool is trying to measure from their energy bill they will need to take into account everything that uses that energy at the facility such as hot water for a kitchen and showers or energy used to ensure accurate data.

### WILL HEATSAVR™ REDUCE HUMIDITY IN AN INDOOR FACILITY?

Yes in an indoor pool facility Heatsavr™ will help reduce humidity by reducing evaporation. Results do depend on the facilities air circulation system and dehumidification system (if applicable).

### WHAT IS THE SCIENCE BEHIND HEATSAVR™ ?

When Heatsavr™ is applied to a pool it quickly spreads over the surface of the water, creating an invisible, monomolecular layer. These self-spreading molecules are microscopic and safely travel through circulation systems and filter media of all types. When they are returned to the pool they float to the top and rejoin the barrier that is always present. The molecules are completely safe for pool users and biodegradable.

### WHAT DOES HEATSAVR™ CONSIST OF?

Heatsavr™ consists of an active ingredient, which is the actual molecules which create the barrier of the surface of the water, and a spreading agent, which is Isopropyl Alcohol (IPA). The IPA actually evaporates within 25 minutes of applying the product leaving the active ingredient on the surface.

### WILL HIGH WINDS AFFECT HEATSAVR'S™ EFFECTIVENESS?

Yes, if the wind speed is too high and the swimming pool is not protected by a wind break then Heatsavr™ can be pushed to one side of the pool and is not as effective. Usually in these situations the wind dies off in the evening allowing Heatsavr™ to work properly. We recommend that if wind can be predicted daily then the

### WILL IT AFFECT THE POOL CHEMISTRY?

No, Heatsavr™ does not affect the pool chemistry in anyway. Once you start using Heatsavr™ follow the same pool chemistry schedule as always.

## COMMERCIAL DOSAGE CHART

POOL SIZE (Square Feet)	POOL SIZE (Square Meters)	DAILY DOSAGE (Ounces)	DAILY DOSAGE (mL)	TIME IT WILL LAST (Days)
400	37.16	1	29.57	560
800	74.32	2	59.15	280
1,200	111.48	3	88.72	187
1,600	148.64	4	118.29	140
2,000	185.80	5	147.87	112
2,400	222.97	6	177.44	93
2,800	260.13	7	207.01	80
3,200	297.29	8	236.58	70
3,600	334.45	9	266.16	62
4,000	371.61	10	295.73	56
4,400	408.77	11	325.30	51
5,200	483.09	13	384.45	43
6,000	557.41	15	443.60	37
6,800	631.74	17	502.74	33
7,600	706.06	19	561.81	29
8,400	780.38	21	621.03	27
9,200	854.70	23	680.18	24
10,000	929.02	25	739.33	22

- 💧 **KEEPS POOLS WARMER, LONGER**
- 💧 **SAVE MONEY, TIME, WATER AND ENERGY**
- 💧 **SAFE FOR FILTERS, SKIMMERS AND PUMPS**
- 💧 **REDUCE WATER AND HEAT LOSS BY UP TO 50%**
- 💧 **LOWER ENERGY USAGE BY UP TO 40%**
- 💧 **SALT WATER AND OZONE COMPATIBLE**

## WELCOME TO BRODY CHEMICAL

Brody Chemical began in Salt Lake City, Utah in 1975. Since then, it has grown from a small local company to one that provides superior products and service to over half of the United States. Brody's success is attributed to its commitment to create innovative and highly effective products — manufactured under strict quality control standards, a responsive technical support team, and a professional, well-trained, service-driven sales force. Brody Chemical's comprehensive product line boasts over 600 different formulations of sanitation, institutional, industrial and maintenance chemicals for professional use. Reducing the risks associated with chemical usage and disposal, avoiding depletion of the Earth's natural resources, and enhancing the safety and work environment for clients are core values of Brody Chemical.

## ABOUT BRODY CHEMICAL

Brody Chemical sells and provides service to over 50,000 customers in a variety of industries including manufacturing, industrial, mining, automotive, institutional, hospitality, trucking, food and beverage, agricultural, and medical. Brody Chemical's sales representatives are trained to offer technical assistance and recommendations in selecting chemical solutions and cleaning processes that best meet the needs of clients.



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