

THE JOHN GIRVAN

COMPANY, INC.

PROTEAM PRODUCTS  
MATERIAL SAFETY DATA SHEET

11730 PHILLIPS HIGHWAY, JACKSONVILLE, FL 32256

EFFECTIVE DATE: 11/01/93

INFORMATION ON THIS FORM IS FURNISHED SOLELY FOR THE PURPOSE OF COMPLIANCE WITH THE OCCUPATIONAL SAFETY AND HEALTH ACT OF 1970 AND SHALL NOT BE USED FOR ANY OTHER PURPOSE. USE OR DISSEMINATION OF ALL OR ANY PART OF THIS INFORMATION FOR ANY OTHER PURPOSE MAY RESULT IN A VIOLATION OF LAW OR CONSTITUTE GROUNDS FOR LEGAL ACTION.

SECTION I

MANUFACTURER'S NAME

THE JOHN GIRVAN CO INC

EMERGENCY TELEPHONE NO

904-260-4505

CHEMTREC - 1-800-424-9300

TRADE NAME AND SYNONYMS

PROTEAM SHOCK AND SWIM

PROTEAM SPA SHOCK

U.S. PATENT NO. 4594091

CHEMICAL NAME AND SYNONYMS

POTASSIUM PEROXYMONOSULFATE

CHEMICAL FAMILY

PEROXYGEN SALT

FORMULA

2KHSO<sub>5</sub>·KHSO<sub>4</sub>·K<sub>2</sub>SO<sub>4</sub>

SECTION II - HAZARDOUS INGREDIENTS

COMPONENT

POTASSIUM PEROXYMONOSULFATE 70

CAS # 70693-62-8

SODIUM TETRABORATE PENTAHYDRATE 30

HAZARD DATA

THE OXIDIZING COMPONENT IS MODERATELY IRRITATING AND A POTENTIAL ALLERGEN

SECTION III - PHYSICAL DATA

BOILING POINT

DECOMPOSES

SPECIFIC GRAVITY (H<sub>2</sub>O=1)

~1.1-1.4

VAPOR PRESSURE (mm Hg)

NOT VOLATILE

VAPOR DENSITY (AIR=1)

NOT VOLATILE

SOLUBILITY IN WATER

25.6% @ 70 C (68 F)

APPEARANCE AND ODOR

WHITE, FREE-FLOWING GRANULAR WITH NO ODOR

SECTION IV - FIRE & EXPLOSION HAZARD DATA

FLASH POINT (METHOD USED)

WILL NOT BURN

FLAMMABLE LIMITS

N/A

EXTINGUISHING MEDIA

WATER

SPECIAL FIRE FIGHTING PROCEDURES

WEAR SELF-CONTAINED BREATHING APPARATUS

UNUSUAL FIRE AND EXPLOSION HAZARDS

STORAGE OF LARGE AMOUNTS OF POTASSIUM PEROXYMONOSULFATE CAN TRAP AND LEAD IGNITION OF COMBUSTIBLE CONTACT MATERIALS

SECTION V - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE

NOT ESTABLISHED

TOXICITY

POTASSIUM PEROXYMONOSULFATE IS NOT LISTED AS A CARCINOGEN BY IARC, NTP, OSHA, ACGIH, OR DUPONT ORAL LD<sub>50</sub>: 2250-9500 mg/kg IN RATS-- INHALATION: 4 HOUR LD<sub>50</sub>: >5mg/g IN RATS

## SECTION V - HEALTH HAZARD DATA (CONT)

### EFFECTS OF OVER EXPOSURE

SKIN IRRITATION WITH DISCOMFORT OR RASH - EYE IRRITATION WITH DISCOMFORT, TEARING, OR  
BLURRED VISION - IRRITATION OF UPPER RESPIRATORY PASSAGES

### EMERGENCY AND FIRST AID PROCEDURES

EYES: FLUSH WITH WATER FOR AT LEAST 15 MINUTES SEEK MEDICAL ATTENTION  
SKIN: FLUSH WITH WATER - IF IRRITATION OCCURS SEEK MEDICAL ATTENTION  
INHALATION: REMOVE PERSON INTO FRESH AIR SEEK MEDICAL ATTENTION  
INGESTION: GIVE WATER FREELY - DON'T GIVE ANYTHING TO AN UNCONSCIOUS PERSON SEEK  
MEDICAL ATTENTION

## SECTION VI - REACTIVITY DATA

### STABILITY

STABLE

### CONDITIONS TO AVOID

NONE

### INCOMPATIBILITY

HEAVY METAL SALTS CAUSE EVOLUTION OF OXYGEN

### HAZARDOUS DECOMPOSITION PRODUCTS

RELEASES OXYGEN GAS

### HAZARDOUS POLYMERIZATION

WILL NOT OCCUR

### CONDITIONS TO AVOID

NONE

## SECTION VII - SPILL OR LEAK PROCEDURES

### STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

SWEEP UP SPILL FLUSH AREA WITH WATER

### WASTE DISPOSAL METHOD

DISPOSE OF WASTE IN AN APPROVED CHEMICAL LANDFILL - LARGE QUANTITIES OF WASTE SHOULD  
BE NEUTRALIZED WITH SODA ASH BEFORE DISPOSAL - ALWAYS COMPLY WITH FEDERAL - STATE - AND  
LOCAL REGULATIONS

## SECTION VIII - SPECIAL PROTECTION INFORMATION

### RESPIRATORY PROTECTION

WEAR DUST RESPIRATOR WHERE DUSTING OCCURS

### VENTILATION

LOCAL EXHAUST

USE TO MINIMIZE DUSTING

### SPECIAL

NONE

MECHANICAL

USE FOR GENERAL AREA CONTROL

### OTHER

NONE

### PROTECTIVE GLOVES

LEATHER GLOVES

### EYE PROTECTION

SAFETY GLASSES WITH SIDE SHIELDS

### OTHER PROTECTIVE EQUIPMENT

LONG - SLEEVED CLOTHING

## SECTION IX - SPECIAL PRECAUTIONS

### PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

STORE IN COOL DRY AREA AWAY FROM COMBUSTIBLE MATERIAL - DO NOT STORE IN DIRECT  
SUNLIGHT KEEP CONTAINER TIGHTLY CLOSED WHEN NOT IN USE

### OTHER PRECAUTIONS

NONE

THE INFORMATION SUPPLIED ABOVE IS PRESENTED IN GOOD FAITH AND HAS BEEN DERIVED FROM SOURCES BELIEVED TO BE RELIABLE HOWEVER NO WARRANTY EXPRESS  
OR IMPLIED IS EXTENDED REGARDING ITS ACCURACY OR THE RESULTS TO BE OBTAINED FROM ITS USE SINCE CONDITIONS OF USE ARE BEYOND OUR CONTROL ALL RISKS  
ARE ASSUMED BY THE USER