

**MATERIAL SAFETY DATA SHEET**

**DRY HYDROGEN PEROXIDE**

Latest Revision Date...07/03/07

Print Date.....07/03/07

**SECTION 1**

**MANUFACTURER INFORMATION**

HYDRO-ZONE INC.  
17800 Telegraph Road  
Romulus, Michigan 48174  
Ph. (734) 247-4488

FOR CHEMICAL EMERGENCY  
CALL INFOTRAC @ 1-800-535-5053  
24 HRS/DAY, 7 DAYS/WEEK

**SECTION 2**

**PRODUCT IDENTIFICATION**

PRODUCT NUMBER..... HZ S850  
TRADE NAME OR CHEMICAL NAME... DRY HYDROGEN PEROXIDE  
SYNONYMS..... NA  
CHEMICAL FAMILY..... Peroxide  
NFPA - HEALTH HAZARD..... 2  
FIRE HAZARD..... 0  
REACTIVITY HAZARD..... 1  
NFPA SCALE..... 4=Extreme 3=High 2=Moderate 1=Slight 0=Insignificant  
KEY..... NA= Not Applicable ND= Not Determined

**SECTION 3**

**HAZARDOUS INGREDIENTS**

CHEMICAL NAME(S)	CAS NUMBER	% WT	TLV-TWA	PEL	SEC.313	CARCINOGEN?
Sodium Carbonate Peroxyhydrate	15630-89-4	>85	3mg/m3 Respirable	5mg/m3 Respirable	No	NO

**SECTION 4**

**SHIPPING DATA**

D.O.T. PROPER SHIPPING NAME... Oxidizing Solid, N.O.S. (Sodium Carbonate Peroxyhydrate)  
D.O.T. HAZARD CLASS..... Division 5.1  
D.O.T. LABELS REQUIRED..... Oxidizer  
UN/NA I.D. NUMBER..... UN 1479  
PACKAGING GROUP..... III  
NON-BULK SHIPPING NAME..... Oxidizing Solid, N.O.S. (Sodium Carbonate Peroxyhydrate), 5.1, UN 1479, PG III  
BULK SHIPPING NAME..... Same, RQ if more than 100 pounds in single package.

**SECTION 5**

**PHYSICAL DATA**

BOILING/FREEZING POINT @760 mmHg... NA  
pH..... 10.5 (1% solution)  
VAPOR PRESSURE mm Hg @20° C..... NA  
VAPOR DENSITY (Air = 1)..... NA  
PERCENT VOLATILE BY WEIGHT (%)..... NA  
SPECIFIC GRAVITY @20°C..... 1.1  
SOLUBILITY IN WATER..... 140 grams/liter @24°C  
EVAPORATION RATE..... ND  
APPEARANCE AND ODOR..... White granular powder.

**SECTION 6**

**FIRE AND EXPLOSION HAZARD DATA**

FLASH POINT (Test Method)..... NA  
AUTOIGNITION TEMPERATURE..... NA  
FLAMMABILITY LIMITS IN AIR (% V)... NA

DRY HYDROGEN PEROXIDE

SECTION 6

FIRE AND EXPLOSION HAZARD DATA

CONT'D

EXTINGUISHING MEDIA..... Flood with water or water spray.
SPECIAL FIRE FIGHTING PROCEDURES... Wear MSHA/NIOSH approved self-contained breathing apparatus and protective clothing.
UNUSUAL FIRE & EXPLOSION HAZARDS... Wet product decomposes exothermicly and may cause combustion of organic materials.

SECTION 7

REACTIVITY DATA

PRODUCT STABILITY..... Stable
Conditions to Avoid..... Sources of heat and moisture.
CHEMICAL INCOMPATIBILITY..... Acids and alkalis, salts of heavy metals, reducing agents, organic materials and flammable substances.
HAZARDOUS DECOMPOSITION PRODUCTS... Oxygen. Decomposition releases steam and heat.
HAZARDOUS POLYMERIZATION..... Will Not Occur

SECTION 8

HEALTH HAZARD DATA

SKIN CONTACT... May result in irritation. Repetitive skin exposure may result in dermatitis.
EYE CONTACT... Will result in severe irritation. Prolonged contact may produce burns.
INHALATION.... Dust can cause irritation of the nose and throat. May produce cough, sore throat and chronic bronchitis.
INGESTION..... Severe irritation of the mouth, throat, esophagus and stomach. May cause bloating, nausea and vomiting.

SECTION 9

EMERGENCY AND FIRST AID PROCEDURES

SKIN.....Remove contaminated clothing and flush exposed skin with soap and water. If irritation persists or develops, get medical attention. Launder contaminated clothing before reuse.
EYES.....Immediately flush eyes with large amounts of water for 15 minutes and get medical attention.
INGESTION....If swallowed, DO NOT INDUCE VOMITING. Get medical attention immediately. Never give anything by mouth to an unconscious person.
INHALATION...Move to fresh air. Aid in breathing, if necessary, and get medical attention.

SECTION 10

ENVIRONMENTAL DATA

SPILL OR LEAK PROCEDURES... Carefully sweep up spilled material and place in proper container for disposal. Do not return spilled material to original container. Flush residue to sanitary sewer with large volume of water.
WASTE DISPOSAL METHOD..... Ignitable. Dispose of in accordance with all federal, state and local regulations.
HAZARDOUS WASTE 40CFR261... Yes. Hazardous Waste Number: D001
CONTAINER DISPOSAL..... Empty containers may contain residuals. Thoroughly clean, then offer for recycling, reuse, or disposal in accordance with governmental regulations.

SECTION 11

SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION.....NIOSH/MSHA approved filter type mask for dusts, fumes and mists as needed to maintain P.E.L.
VENTILATION.....Local and/or mechanical exhaust to maintain exposure below P.E.L.
PROTECTIVE CLOTHING.....Neoprene gloves, apron, boots - as necessary to prevent skin contact.
EYE PROTECTION.....Chemical goggles.
OTHER PRECAUTIONS.....Safety shower and eyewash fountains should be easily accessible.

SECTION 12

SUPPLIER INFORMATION

This information is furnished without warranty, expressed or implied, except that it is accurate to the best knowledge of manufacturer. The data on this sheet relates only to the specific material designated herein. Manufacturer assumes no legal responsibility for use or reliance upon this data.