SECTION 5 - FIRE & EXPLOSION HAZARDS  / FIRE FIGHTING MEASURES

EFFECTS OF OVEREXPOSURE:

Eyes: Strong to severe irritant with possible permanent corneal damage. Skin: Prolonged exposure may cause burns, irritation and possible aggravation of existing skin conditions. Inhalation: Not expected to cause severe reactions but can cause irritation, headache, dizziness, and nausea. Ingestion: Harmful if swallowed. May cause abdominal distention due to the release of oxygen gas. May cause mild to severe damage to the tissues of the mouth, esophagus and stomach, and ingestion can cause irritation. Ingestion may cause nausea, vomiting and/or abdominal pain. Inhalation in high concentrations may cause coughing, headache, and nausea. Chronic overexposure: No effects currently known.

SUPPLEMENTAL HEALTH INFORMATION:

Pre-existing eye, skin and respiratory disorders may be aggravated by exposure. It has not been determined if there are any target organ effects if exposed.
**Extinguishing Media:** Water, carbon dioxide, foam, dry chemical.

**Special Fire Fighting Procedures:** Use NIOSH respirator and protective clothing. Product is a mild oxidizer. Mixtures with other combustible or flammable materials may cause ignition. Flush all surfaces exposed to liquid material with large amounts of water. Do not use absorbent to contain material.

**Unusual Fire and Explosion Hazards:** Material is not combustible, but is a mild oxidizer. May accelerate combustion of other chemicals and organic materials.

**SECTION 6 - ACCIDENTAL RELEASE MEASURES**

**Steps to be taken if material is released or spilled:** Do not use absorbents. Contain spill using noncombustible material such as vermiculite, sand or earth. If material is spilled on wooden floor or other combustible material, flush with large quantity of water. If material is spilled on noncombustible floor or ground, allow material to decompose.

**SECTION 7 - HANDLING AND STORAGE**

**Precautions to be taken in handling and storing:** Avoid contact with skin and eyes. Use only with adequate ventilation. Avoid breathing mists or concentrated vapors. Avoid all contact with eyes, skin and clothing. Store in original vented containers and keep away from sun and heat. Keep container tightly sealed when not in use. Keep away from all sources of heat and ignition. Do not mix with any other materials or chemicals.

**SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Respiratory Protection:** Normally not necessary.  
**Ventilation Required:** Mechanical room ventilation.

**Protective Clothing:** Eyes: Safety glasses. Skin: Protective gloves and clothing to prevent contact.

**SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES**

**Appearance:** Clear water-like appearance.  
**State:** Liquid

**Odor:** Slight.  
**Solubility:** Water soluble in all proportions.

**Specific Gravity:** 1.035 typical  
**Density:** 8.63 Typical

**PH:** 6.0-6.5 typical

**SECTION 10 - STABILITY AND REACTIVITY DATA**

**Stability:** Stable when stored under suitable conditions. When introduced to other contaminants, elevated temperatures above 38°C (100°F) can increase the decomposition rate of the product.

**Incompatibility:** High pH materials, metals, salts, organics, reducing agents, dust and dirt.

**Hazardous Decomposition:** When burned, material can release oxides of carbon, nitrogen as well as hydrogen and methyl chlorides.

**Hazardous Polymerization:** Will not occur.

**SECTION 11 - TOXICOLOGICAL INFORMATION**

**Toxicological Information:** No chronic effects are known. (See Section 3 for hazards.)

**Chemical Fate Information:** Unknown

**SECTION 12 - ECOLOGICAL INFORMATION**

Unknown

**SECTION 13 - DISPOSAL CONSIDERATIONS**

Contact a hazardous waste disposal firm for disposal advice. Appropriate disposal will depend on the nature of each waste material and should be performed by competent and properly permitted contractors. Ensure that all responsible Federal, State, and local agencies received proper notification of spill and disposal of waste, if required. Empty containers may contain residues and should be washed with water prior to disposal. May create a fire or explosion hazard.
**SECTION 14 - TRANSPORT INFORMATION**

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**SECTION 15 - REGULATORY INFORMATION**

(Notice: The information herein is presented in good faith and believed to be accurate as of the effective date shown below. However, no warranty, expressed or implied is given. Regulatory requirements are subject to change and may differ from one location to another; it is the buyer’s responsibility to ensure that its activities comply with federal, state or provincial, and local laws. The following specific information is made for the purpose of complying with numerous federal, state or provincial, and local laws and regulations.)

(A simple explanation of each act [legislation] is included in this section. Ingredients listed in these sections means they are governed by that particular act.)

**RCRA - RESOURCE CONSERVATION AND RECOVERY ACT (HAZARDOUS WASTE):** The act that mandated the development of hazardous waste regulations. These regulations can be found in 40 CFR 260-281.

No ingredients listed.

**REPORTABLE QUANTITIES - CERCLA (ACCIDENTAL RELEASE):** The Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) identifies a list of substances that have an adverse effect if released to the environment. The Act designates the reportable quantity (RQ) for each of these substances, and the notification requirements for releases or spills. When a specified amount of a chemical is released or spilled, the National Response Center must be notified. This specified amount is the "reportable quantity." The reportable quantity for each chemical is based on the severity of environmental hazard it presents.

No ingredients listed.

**THRESHOLD PLANNING QUANTITIES (SARA - COMMUNITY RIGHT TO KNOW) EXTREMELY HAZARDOUS SUBSTANCE LIST:** The Extremely Hazardous Substance (EHS) list and planning quantities trigger certain reporting requirements to emergency planning agencies. If your facility has a listed hazardous substance in amounts equal to or greater than the quantities shown on the index, the regulations of 40 CFR 395 and 370 apply to you.

No ingredients listed.

**SARA TITLE III, SECTION 313: EPA** has developed a list of over 320 regulated chemicals and 22 chemical categories. An entry in this section, indicates that a given chemical appears on this list. The entry will consist of a date, which identifies the effective date for reporting; and a "de minimis" amount. This amount, 1% or 0.1%, indicates the minimum amount of a chemical that must be present in a mixture to trigger reporting.

No ingredients listed.

**RISK MANAGEMENT PROGRAM - EPA:** On January 31, 1994, a new EPA rule was finalized. It was required under section 112(r) of the Clean Air Act. It is aimed at preventing accidental chemical releases. This first rule presented a list, composed of three categories: 77 toxic substances, 63 flammable substances, and explosive substances with a mass explosion hazard as listed by DOT. The complete regulation can be found in 40 CFR Part 68 - Chemical Accident Prevention Provisions.

No ingredients listed.

**WHMIS - CANADA:** The Workplace Hazardous Materials Information System (WHMIS) is Canada's version of Hazard Communication. Its provisions closely parallel the U.S. Regulations.

No ingredients listed.

**DOT:** The Department of Transportation (DOT) regulates those substances that present a potential hazard during transportation. There may be labeling, special packaging, and/or placarding required.

No ingredients listed.

**NFPA - NATIONAL FIRE PROTECTION ASSOCIATION:** The National Fire Protection Association (NFPA) is a nonprofit, educational organization. The goal of NFPA is to promote the science of fire protection and prevention. With this aim, NFPA has developed information on the hazardous properties of many chemicals, which enables the user to come up with safe procedures during the chemicals’ use, storage, and transportation. There are three categories of hazards: Health (H), flammability (F), and reactivity (R). Within each category, there are numerical ratings from 0 - 4, with 0 indicating no hazard, 4 indicating severe hazard. Health-1 / Flammability-0 / Reactivity-1

No ingredients listed.

MATERIAL SAFETY DATA SHEET

**MSDS/ “GPS PRESPOT”, PAGE 4, SECTION 15 CONT.**
HAZARD COMMUNICATION: OSHA's Hazard Communication Standard initially went into effect November 1985/May 1986. It is OSHA's most comprehensive worker protection regulation. It provides for information and training for workers encountering chemical exposures in the workplace. The standard requires the use of labels and Material Safety Data Sheets for all regulated chemicals.

National Toxicology Program (NTP): A list of carcinogens. No ingredients listed

IARC - International Agency For Research On Cancer: Another carcinogen list. No ingredients listed

Subpart Z - OSHA: (Found at 1910.1000-.1101) If a chemical is on this list, it means there are specific training requirements on the handling, etc. No ingredients listed

Threshold Limit Values: ACGIH: Threshold limit values (TLVs) which refer to airborne concentrations of substances and represent conditions under which nearly all workers must be repeatedly exposed day after day without adverse effect. No ingredients listed

Process Safety Management - OSHA: OSHA established a regulation (1910.119) to monitor and control safety at certain types of industrial facilities. Compliance is triggered by specified quantities of specific chemicals. No ingredients listed

Proposition 65 - California: Proposition 65 refers to an initiative passed by the California voters in the November 1986 elections. It is the Safe Drinking Water and Toxic Enforcement Act of 1986. One of the components is the listing of chemicals known to cause cancer or reproductive toxicity. Twelve months after a chemical is listed, a person in the course of doing business must warn another person who may consume, come into contact with, or otherwise be exposed to that chemical.

No ingredients listed

The New Clean Air Act - Hazardous Air Pollutants: This rule regulates the emissions of 112 of the organic chemicals identified in the Cats list of 189 hazardous air pollutants.

No ingredients listed

SECTION 16 - OTHER INFORMATION

AS A GENERAL RULE, PREVENT AND PROTECT THIS PRODUCT FROM UNAUTHORIZED USE

FOR INDUSTRIAL USE ONLY !!!!!!

END OF REPORT

NAME: ROBERT C. JAUDON                      DATE ISSUED: 04/01/04
(636) 296-3131, 296-3888         DATE REVISED: 07/01/04

< = LESS THAN                     N/A = NOT APPLICABLE
> = MORE THAN                     N/D = NOT DETERMINED
UNK = UNKNOWN                     N/E = NOT ESTABLISHED

In accord with the philosophy established by the Occupational Safety and Health Administration's Hazard Communication Final Rule, 1985, this Material Safety Data Sheet has been designed to emphasize the hazardous portions (ingredient[s]) utilized in the total formulation. As a result, the information herein stresses the most hazardous component(s) only. By this approach, we feel better knowledge and awareness should substantially contribute to reduce exposure and injury to workers involved with the use of this product. The information supplied in this document is presented for exactly this purpose. As required by law, this data should be thoroughly read and made available to anyone who may be responsible for handling this material. All data provided relates to the concentrated product as shipped. Actual usage rates and further dilution will, in most cases, greatly reduce, if not eliminate, the potential for worker injury. Any and all chemical products should be handled with extreme care and only by authorized and informed personnel. Each aspect of your operation should be examined to determine if, or where, additional precautions may be necessary. All health and safety information contained in this MSDS should be provided to your employees or customers. It is your responsibility to use this information to develop appropriate work practice guidelines and employee instructional programs for your operation.

The information and recommendations provided in this Material Safety Data Sheet have been obtained from data we believe to be reliable. We provide no warranties, expressed or implied, or accept no responsibility for loss associated with the use or handling of this product. This information is offered for your review and consideration. Efforts should be extended to determine the applicability of this product for your specific intended use. We know of no medical condition, other than those noted in this Material Safety Data Sheet, which are generally recognized as being aggravated by exposure to this product.

REASON FOR REVISION: Section 1 - Haz. Mat. Reg. number