

# Material Safety Data Sheet

CODE # 1

## SECTION I

Product Name: **1-Step Chain Saver** Manuf./Distributor: EMERALD 2000<sup>®</sup>, Inc.  
Emergency No: 1-800-255-3924 15155 Jacinto Port Blvd.  
For Information only: 1-800-977-0061 Houston, TX 77015  
Date Prepared: March 05, 1996  
Revised: March 15, 2003

## SECTION II - Hazardous Ingredients/Identity Information

	C. A.S. #	OSHA PEL	ACGIH TLV	STEL
Severely Refined Petroleum Base	64742-54-7 or 64742-65-0	5mg/cm	N/A	10mg/cm
PTFE	N/D	N/D	N/D	N/D
Other Additives	N/D	N/D	N/D	N/D

HEALTH - 1      FIRE - 1      REACTIVITY - 0      PROTECTIVE EQUIPMENT - B

## SECTION III - Physical/Chemical Characteristics

Boiling Point:	544°F	Pour Point:	- 9°F
Fire Point (COC) :	370°F	Vapor Pressure (mm Hg):	< 2
Flash Point ( PMCC):	348°F	Vapor Density (AIR = 1):	> 1
Specific Gravity:	0.865	Evaporation Rate (Butyl Acetate = 1):	< 0.1
Appearance/ Odor:	Green/Lemon	Solubility in Water :	No
% Volatile by Volume:	Negligible from open container in 4 hrs @ 100°F (38°C)		

## SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used): Pensky-Martens Close Cup  
Flammable Limits: LEL - N/D UEL - N/D  
Extinguishing Media: CO 2, D.y Chemical, Foam and Water Fog. No Water Jets.  
Special Fire Fighting Procedures: Materials must be preheated prior to burn. Do not enter confined areas without full protective equipment, including a positive pressure NOISH approved self-contained breathing apparatus.  
Unusual Fire and Explosion Hazards: None

## SECTION V - REACTIVITY DATA

Stability:      Unstable : -      Conditions to Avoid:      Heat or Open Flame  
                  Stable:    x  
Hazardous Decomposition Byproducts:      Smoke, fumes, oxides of carbon  
Incompatibility (Materials to Avoid):      Strong oxidizers  
Hazardous Polymerization:                    Will not occur.

## SECTION VI - HEALTH HAZARD DATA

Route(s) of Entry:	Inhalation?	Skin ?	Ingestion?
	No	Yes	Yes
Health Hazards (Acute and Chronic):	N/D		
Carcinogenicity:	NTP ?	IARC Monographs ?	OSHA Reguiated ?
	No	No	No

No data regarding presence of carcinogenicity, tetragency, mutagenicity, respiratory toxicity, sensitizing ability, or synergistic substance.

**Signs and Symptoms of Exposure:**

Inhalation : No acute effects within exposure limits.

Skin: Repeated or prolonged exposure can cause irritation and dermatitis.

Ingestion: Can cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Medical Conditions Generally Aggravated by Exposure: Pre-existing skin disorders.

**EMERGENCY AND FIRST AID PROCEDURE:**

SKIN: Wash with soap and water. Remove contaminated clothing.

EYES: Flush with water for 15 minutes. See a physician immediately.

INHALATION: Remove to fresh air. If breathing is labored, administer oxygen. If problems persists see medical attention.

INGESTION: DO NOT INDUCE VOMITING. If conscious, give 2 glasses of water. See a physician immediately.

ADDITIONAL: Note of physician: Treat symptomatically.

**SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE**

Steps to Be Taken in Case Material is Released or Spilled: Prevent entry into sewers and waterways. Pick up free liquid for recycling or disposal. Absorb small amounts on inert material for disposal. Ventilate area.

Waste Disposal Method: If disposed of, this material is believed to be non-hazardous.

Disposal should be in compliance with federal, state and local laws.

Precautions to Be Taken in Handling and Storing: Store in a cool, dry place.

Other Precautions: N/A

**SECTION VIII - CONTROL MEASURES**

Respiratory Protection (Specify Type): None required. TYPE: NIOSH approved, if needed.

Ventilation:	Local Exhaust :	-	Special:	-
	Mechanical (General)		Other:	
Protective Gloves: x	Eye Protection:	x	Face Shield :	-
Apron: -	Rubber Boots: -			

Work/Hygienic Practices: Avoid prolonged and repeated skin contact. DO NOT wear contaminated clothes. Launder before reusing or discard. Wash thoroughly with soap and water after handling.

**SECTION IX - SHIPPING INFORMATION**

DOT Label: Required - None Required: - x  
Corrosive: - Oxidizer: - Poison: - Flammable: -

**SECTION X - SPECIAL INFORMATION**

- Not Determined