



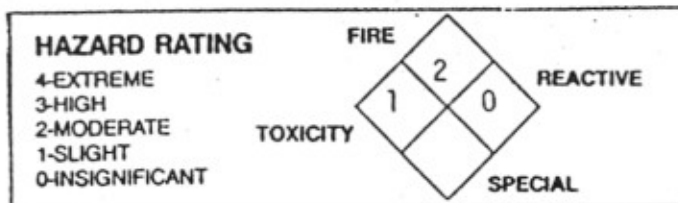
Material Safety Data Sheet

SECTION I — IDENTITY AND MANUFACTURER'S INFORMATION

Manufacturer's Name	James Varley & Sons, Inc.	Product Name	Dyna Sol
Address	1200 Switzer Avenue St. Louis, Missouri 63147	Date Prepared	February 15, 1988
Emergency Telephone No. Other Information Calls	314-383-4372		

SECTION II — HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

Hazardous Components (Specific Chemical Identity; Common Name(s))	CAS #'s	ACGIH TLV	Listed as a Carcinogen in NTP	% (Optic)
Potassium Hydroxide	1310-58-3	2mg/m ³	No	<5%
Ethylene Glycol Monobutyl Ether	111-76-2	25 ppm	No	<6%



SECTION III — PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point	200°F	Specific Gravity (H ₂ O = 1)	1.029
Vapor Pressure (mm Hg.)	N/A	Percent Volatile By Volume (%)	> 90%
Vapor Density (AIR = 1)	N/A	Evaporation Rate (WATER = 1)	1
Solubility in Water	Complete	Appearance and Oodor	scented. colored li

SECTION IV — FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used)	180°F closed cup	Flammable Limits	LEL N/A	UEL N/A
---------------------------	------------------	------------------	---------	---------

Extinguishing Media water fog, foam, dry chemicals or carbon dioxide

Special Fire Fighting Procedures Cool containers with water if exposed to fire. Firefighting personnel wear self contained breathing apparatus and protective clothing

Unusual Fire and Explosion Hazards Combustible Liquid. Keep away from heat, sparks or open fl

SECTION V — PHYSICAL HAZARDS

Stability Unstable Conditions to Avoid N/A
Stable

Incompatibility (Materials to Avoid) aluminum and tin

Hazardous Decomposition Products Or Byproducts carbon monoxide or carbon dioxide

Hazardous May Occur Conditions To Avoid N/A

SECTION VI — HEALTH HAZARD DATA

Route(s) of Entry: EYES: YES Inhalation? NO Skin? YES Ingestion? YES

Signs and Symptoms of Exposure Corrosive to eyes, skin and mucous membranes.
 Contact with eyes and skin will irritate and burn. Ingestion may cause headache, nausea, vomiting and weakness.

Medical Conditions
 Generally Aggravated by Exposure N/A

Emergency and First Aid Procedures INGESTION: Drink plenty of water. Get Medical Attention
 INHALATION: Remove patient to fresh air. SKIN CONTACT: Wash with plenty of soap and water. EYE CONTACT: Flush with water for at least 15 minutes. Get Medical Attention.

SECTION VII — PRECAUTIONS FOR SAFE HANDLING AND USE

Steps To Be Taken In Case Material Is Released Or Spilled Remove all sources of ignition. Mop or wipe up and flush remainder with large amounts of water.

Waste Disposal Method

Dispose in accordance with government regulations.

Precautions To Be Taken In Handling And Storing

Keep away from sparks, open flame or heat

Other Precautions

KEEP OUT OF REACH OF CHILDREN

SECTION VIII — CONTROL MEASURES

Respiratory Protection (Specify Type) Ventilate to keep air below TLV

Ventilation	Local Exhaust	Mechanical (General)	Special	Other
	Yes	N/A	N/A	N/A

Protective Gloves wear rubber gloves when diluting Eye Protection wear goggles when diluting product

Other Protective Clothing Or Equipment wear clothing designed to reduce skin contact

Work/Hygienic Practices wash thoroughly after using

NOTICE: NO REPRESENTATIONS OR WARRANTIES, EITHER EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR OF ANY OTHER NATURE, ARE MADE WITH RESPECT TO INFORMATION CONCERNING THE PRODUCT REFERRED TO IN THIS MATERIAL SAFETY DATA SHEET. The goal of defining precisely, in measurable terms, every possible health effect that may occur in the workplace as a result of chemical exposures cannot realistically be accomplished. The information and recommendations contained in this Material Safety Data Sheet are supplied pursuant to 29 C.F.R. 1910.1200 of the Occupational Safety and Health Standards Hazard Communication Rule. The information and recommendations set forth herein are presented in good faith and believed to be correct as of the date hereof. James Varley & Sons, Inc., however, makes no representations as to the completeness or accuracy thereof, and information is supplied upon the express condition that the persons receiving same will be required to make their own determination as to its suitability for their purposes prior to use. In no event will James Varley & Sons, Inc., be responsible for any damages of any nature whatsoever resulting from the use of, reliance upon, or the misuse of this information. The information as supplied herein is simply to be informative and intended solely to alert the user of the substance which is the subject matter of this Material Safety Data Sheet. The ultimate compliance with federal, state or local regulations concerning the use or disposal of this compound, or compliance with respect to products liability, rests solely upon the purchaser thereof.