Material Safety Data Sheet

#117

SECTION I — IDENTITY AND MANUFACTURER'S INFORMATION

Manufacturer's Name: HILLYARD CHEMICAL COMPANY

Product Name: DEEP ACTION

Address: 302 North Fourth Street, St. Joseph, MO 64502

Date Prepared: March 6, 1986

Emergency Telephone No. And Other Information Calls: (816) 233-1321

Prepared by: Regulatory Affairs Department

SECTION II — HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

Hazardous Components (Specific Chemical Identity: Common Name(s))	CAS #'s	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (Optional)
Petroleum distillates	67741-41-9 and 64742-47-8	500 ppm	100 ppm	N/A	8-11

SECTION III — PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point	200°F.	Specific Gravity (H_2O = 1)	1.060
Vapor Pressure (mm Hg.)	no data	Percent Volatile By Volume (%)	89% max.
Vapor Density (AIR = 1)	no data	Evaporation Rate (butyl acetate = 1)	< 1
Solubility in Water	complete	Appearance and Odor	milky liquid; citrus odor

SECTION IV — FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used): 115-130°F. (PMCC)

Flammable Limits — LEL: N/A — UEL: N/A

Extinguishing Media: Use foam, CO_2 or dry chemical fire fighting apparatus.

Special Fire Fighting Procedures: none known

Unusual Fire and Explosion Hazards: none known

SECTION V — PHYSICAL HAZARDS

Stability: Unstable ☐ Stable ☒ — Conditions to Avoid: none known

Incompatibility (Materials to Avoid): strong acids, strong bases or strong oxidizing agents

Hazardous Decomposition Products Or Byproducts: Thermal decomposition may yield carbon monoxide and/or carbon dioxide.

Hazardous Polymerization: May Occur ☐ Will Not Occur ☒ — Conditions To Avoid: N/A

117. Deep Action

SECTION VI — HEALTH HAZARD DATA

Route(s) of Entry — Inhalation? yes — Skin? no — Ingestion? harmful or fatal

Health Hazards (1 Acute and 2 Chronic)
1. Respiratory irritation; high concentration, narcosis; repeated, prolonged skin contact may cause irritation such as dermatitis; eye irritant. 2. none known

Chemical Listed as Carcinogen or Potential Carcinogen — National Toxicology Program: Yes ☐ No ☒ — IARC Monographs: Yes ☐ No ☒ — OSHA: Yes ☐ No ☒

Signs and Symptoms of Exposure
Overexposure can lead to upper respiratory irritation; swallowing can cause gastrointestinal irritation and nausea.

Medical Conditions Generally Aggravated by Exposure
pre-existing eye, skin and respiratory disorders

Emergency and First Aid Procedures
Eyes: flush with plenty of water for 15 minutes; if irritation persists, get medical attention. Skin: wash affected area with soap and water; remove contaminated clothing and wash before reuse; consult physician if irritation persists. Ingestion: do not induce vomiting; consult physician or poison control center immediately; treat symptomatically.

SECTION VII — PRECAUTIONS FOR SAFE HANDLING AND USE

Steps To Be Taken In Case Material Is Released Or Spilled
Remove all sources of ignition. Ventilate and contain and remove with inert absorbent. Incinerate liquid in approved facility.

Waste Disposal Method
Dispose of in accordance with state or local regulations. EPA Hazardous Waste Classification: Ignitable Liquid as packaged by manufacturer.

Precautions To Be Taken In Handling And Storing
Keep container closed when not in use.

Other Precautions
Inhalation: If affected by inhalation of excess or spray mist, remove to fresh air; treat symptomatically. Consult a physician.

SECTION VIII — CONTROL MEASURES

Respiratory Protection (Specify Type)
Wear an appropriate, properly fitted respirator (NIOSH or MSHA approved)

Ventilation — Local Exhaust: at least 10 air changes/hr. — Mechanical (General): recommended — Special: recommended — Other: N/A

Protective Gloves: impervious gloves for sensitive individuals

Eye Protection: chemical safety glasses

Other Protective Clothing Or Equipment
trousers and long sleeved shirts for individuals with sensitive skin

Work/Hygienic Practices
Wash contaminated clothing before reuse (including shoes).

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. Hillyard Chemical Company, 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 Hillyard Chemical Company 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.