

# 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 <sub>2</sub> O = 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<sub>2</sub> 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  Conditions to Avoid: **none known**  
Stable

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  Conditions To Avoid: **N/A**  
Will Not Occur

**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 at least 10 air changes/hr. Local Exhaust recommended Mechanical (General) recommended Special N/A 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).

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