

# Material Safety Data Sheet

#437

## SECTION I — IDENTITY AND MANUFACTURER'S INFORMATION

|  |   |   |                  |
|--|---|---|------------------|
| Manufacturer's Name                                    | HILLYARD CHEMICAL COMPANY                       | Product Name                              | KLEEN-UP SOLVENT |
| Address  | 302 North Fourth Street<br>St. Joseph, MO 64502 | Date Prepared                             | July 14, 1986    |
| Emergency Telephone No.<br>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 distillate (solvent naphtha)                            | 64742-95-6   | (this CAS # is not listed)              |           | 500 ppm                  | 50-55        |
| Petroleum distillate (high flash)                                 | 64742-47-8   | (not established: use Stoddard solvent) |           | 37 ppm                   | 50-55        |
|   | & 64741-41-9 | 500 ppm                                 | 100 ppm   |                          |              |

## SECTION III — PHYSICAL/CHEMICAL CHARACTERISTICS

|                         |            |   |   |
|-------------------------|------------|---|---|
| Boiling Point           | 312-386°F  | Specific Gravity (H <sub>2</sub> O = 1)       | 0.819                                   |
| Vapor Pressure (mm Hg.) | no data    | Percent Volatile By Volume (%)                | 100%                                    |
| Vapor Density (AIR = 1) | > 1        | Evaporation Rate<br>(_____ butyl acetate = 1) | > 1                                     |
| Solubility in Water     | negligible | Appearance and Odor                           | thin, clear liquid; mineral spirit odor |

## SECTION IV — FIRE AND EXPLOSION HAZARD DATA

|   |                |                  |              |                   |
|---|----------------|------------------|--------------|-------------------|
| Flash Point (Method Used)   | 110°F (T.C.C.) | Flammable Limits | LEL about 1% | UEL N/A - mixture |
| Extinguishing Media<br>Carbon dioxide, dry chemical, foam. Use NFPA Class B extinguishers.  |                |                  |              |                   |
| Special Fire Fighting Procedures<br>Treat as any petroleum solvent fire. Avoid spreading liquid and fire by water. Wear full protective equipment including self-contained breathing apparatus. |                |                  |              |                   |
| Unusual Fire and Explosion Hazards<br>Keep container closed and isolated from heat, electrical equipment, sparks and flame.   |                |                  |              |                   |
| Never weld or use cutting torch on or near package.   |                |                  |              |                   |

## SECTION V — PHYSICAL HAZARDS

|  |  |                     |                       |
|--|--|---------------------|-----------------------|
| Stability                                      | Unstable <input type="checkbox"/>  | Conditions to Avoid | elevated temperatures |
| Incompatibility (Materials to Avoid)           | Avoid contact with strong acids and strong oxidizing agents.   |                     |                       |
| Hazardous Decomposition Products Or Byproducts | None under normal conditions. Thermal decomposition may produce organic acids, carbon dioxide and carbon monoxide. |                     |                       |
| Hazardous Polymerization                       | May Occur <input type="checkbox"/>   | Conditions To Avoid | N/A                   |

#437. Kleen-Up Solvent

## SECTION VI — HEALTH HAZARD DATA

Route(s) of Entry:

Inhalation?

yes

Skin?

yes

Ingestion?

yes

Health Hazards (1. Acute and 2. Chronic)

1. Eye irritant; can cause skin irritation; can defat skin and lead to dermatitis.

2. Chronic overexposure leads to central nervous system depression and permanent brain and nervous system damage.

Chemical Listed as Carcinogen  
or Potential Carcinogen

National Toxicology  
Program

Yes ☐  
No ☒

I.A.R.C.  
Monographs

Yes ☐  
No ☒

OSHA Yes ☐  
No ☒

Signs and Symptoms of Exposure

Overexposure can lead to upper respiratory irritation, narcosis; swallowing can cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Medical Conditions

Generally Aggravated by Exposure

Pre-existing eye, skin and respiratory disorders

Emergency and First Aid Procedures

In case of eye contact flush immediately with plenty of water for at least 15 minutes and get medical attention. Skin: Wash thoroughly with soap and water. Remove contaminated clothing and shoes. Wash clothes before reuse. Inhalation: Remove to fresh air. If swallowed do not induce vomiting; 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 (flames, hot surfaces and electric, static or friction sparks). Avoid breathing vapors. Ventilate area. Contain and remove with inert absorbent and non-sparking tools.

Waste Disposal Method

Dispose of in accordance with state or local regulations. EPA Hazardous Waste Classification: Ignitable Liquid. Incinerate in approved facility; do not incinerate closed container. Keep out of drains, sewers and waterways.

Precautions To Be Taken In Handling And Storing

Keep container closed when not in use. Do not store above 120°F.

Other Precautions

Since empty packages retain product residue, follow label warnings even after package is empty.

## SECTION VIII — CONTROL MEASURES

Respiratory Protection (Specify Type) Wear an appropriate, properly fitted respirator (NIOSH or MSHA approved) or ventilate to keep air below TLV.

Ventilation at least 25 CFM per sq.ft. Exhaust per person

Local Exhaust preferred

Mechanical  
(General)

acceptable

Special

N/A

Other

N/A

Protective Gloves

impervious rubber gloves

Eye Protection

chemical safety glasses

Other Protective Clothing Or Equipment

protective clothing such as uniforms, coveralls (1 gallon or less) for industrial and institutional use only

Work/Hygienic Practices

Wash contaminated clothing before reuse (including shoes).

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